

目 录

常用SQL
客户信息
部分问题处理步骤
前端
接口过站
测试跳转
自定义报表操作
昂湃液冷
硬件设置
SQL
SQL2
客户业务说明
系统参数
系统按钮
数据字典
数据字典类型
信佳客制化业务记录
硕贝德集团客制化业务记录

常用SQL

1.找登录账号密码

<http://124.71.33.56/Content/sys/UserMessage.aspx>

ip换客户IP, 查看网页请求

<http://124.71.33.56/content/sys/menu.aspx#>

2.找某工单线体车间等信息

```
select top 9999 W.NAME,l.name '线体',s.name 工站,r.name 工序 from CT_RO
UTESTEP_STATIONS c
left join CT_STATIONS s on c.station_id=s.station_id
left join ct_lines l on s.line_id=l.line_id
LEFT JOIN CT_WORK_CENTERS W ON W.WORK_CENTER_ID=L.WORK_CENTER_ID
left join QS_ROUTE_STEPS r on c.route_step_id=r.route_step_id
LEFT JOIN QS_ROUTES_DEFINITIONS RT ON RT.ROUTE_STEP_ID=R.route_step_id
where
RT.route_id<>' '
and RT.route_id=(select p.route_id from [Udit.SFC].[dbo].[qs_lots] lo
t
left join [Udit.SFC].[dbo].[qs_products] p on lot.pro
duct_id=p.product_id
where lot_name='JGTEST2332711')
```

3.综合查询相关查询

```
-- 工单条码
select SERIAL_NUMBER,QTY, '下一站'=isnull(r.name,'完工') from [Udi
t.sfc].[dbo].[qs_serial_numbers] s
left join [Udit.sfc].[dbo].[qs_route_steps] r on s.next_step_id=r.ro
ute_step_id
where lot_name=@lot;
-- 工艺流程
select b.name '工艺名',c.name '工序名',a.seq,a.IS_OFFLINE from QS_RO
UTES_DEFINITIONS a
left join QS_ROUTES b on a.ROUTE_ID= b.ROUTE_ID
```

```

left join QS_ROUTE_STEPS c on a.ROUTE_STEP_ID=c.ROUTE_STEP_ID
where a.route_id<>' '
and a.route_id=(select p.route_id from [Udit.SFC].[dbo].[qs_lots] lot
                left join [Udit.SFC].[dbo].[qs_products] p on lot.pro
duct_id=p.product_id
                where lot_name=@lot)
order by a.route_id
    工单所在车间线体一览
select top 9999 W.NAME,l.name '线体',s.name 工站,r.name 工序 from CT_RO
UTESTEP_STATIONS c
left join CT_STATIONS s on c.station_id=s.station_id
left join ct_lines l on s.line_id=l.line_id
LEFT JOIN CT_WORK_CENTERS W ON W.WORK_CENTER_ID=L.WORK_CENTER_ID
left join QS_ROUTE_STEPS r on c.route_step_id=r.route_step_id
LEFT JOIN QS_ROUTES_DEFINITIONS RT ON RT.ROUTE_STEP_ID=R.route_step_id
where
RT.route_id<>' '
and RT.route_id=(select p.route_id from [Udit.SFC].[dbo].[qs_lots] lo
t
                left join [Udit.SFC].[dbo].[qs_products] p on lot.pro
duct_id=p.product_id
                where lot_name='JGTEST2332711')

-- 工单wip
select lot.Lot_Name 工单,[ProductName] 产品,lot.QUANTITY 工单数量 ,
[Station_Name] 工序站点,[Route_Step_Name] 工艺名称,[PASS] 通过数量,[Fai
l] 不良数,(lot.QUANTITY -[PASS]) 剩余板数,PASS_OUT 委外通过数,FAIL_OUT 委外
不良数 from [Udit.SFC].[dbo].[CT_LotRouteStatus] (nolock) ctlot join [U
dit.SFC].[dbo].[QS_LOTS] (nolock) lot on ctlot.Lot_Name =lot.LOT_NAME
where lot.Lot_Name=@lot ;

-- 上料记录
SELECT DISTINCT 工单,产品,工位,贴片面,机器号,模组,站位,UID,R.MATERIAL_
NO 料号, R.LOT_NO 批次, '规格,Datetime 时间,StatusCode 类型,AA.Operator 操
作员 ,AA.QUANTITY 数量 FROM( select distinct OrderName 工单, SetupNam
e 产品, line 工位, isnull(Face, '') 贴片面, station 机器号, Tableno 模组, p
ickup 站位, CASE WHEN UID = '' THEN REVERSE(SUBSTRING(REVERSE(Left(L
oadedRefillUID, charindex(':', LoadedRefillUID))), 2, 50)) ELSE UID END
UID, b.MATERIAL_NO 料号, b.LOT_NO 批次, b.SupplierPartNumber 规格,
a.Datetime,StatusCode,Operator,a.QUANTITY FROM[Udit.CHC].[dbo].[TraceDat
a](nolock) a left join[Udit.Mms].[dbo].[mms_reels](nolock) b on a.uid
= b.REEL_BARCODE where ordername = @lot and StatusCode in('SetupCheck_Tr
ue','SetdownCheck_True') and StatusCode != 'IPQC_True' )AA LEFT JOIN[U
dit.Mms].[dbo].[mms_reels]R(nolock) ON AA.UID = R.REEL_BARCODE ORDER BY
时间,机器号,工位 DESC, 站位, R.MATERIAL_NO

```

```

-- 不良记录
select * from( select ROW_NUMBER() OVER(ORDER BY def.INSPECT_TIME a
sc) a, def.serial_number 条码, CONVERT(varchar(12) , def.INSPECT_TIME, 102
) + ' ' + CONVERT(varchar(12) , def.INSPECT_TIME, 108 ) 记录时间, def.insp
ect_user 不良记录着, CONVERT(varchar(12) , def.REPAIR_TIME, 102 ) + ' ' + CON
VERT(varchar(12) , def.REPAIR_TIME, 108 ) 维修时间, def.defect_type 缺陷分
类, def.DEFECT_LABEL 缺陷类型, def.DEFECT_LOCATION 缺陷位置, (case when repa
ir_status=1 and rep.REPAIR_ACTION=1 then '已修' when rep.REPAIR_ACTION=2
then '报废' when repair_status=2 then '误测' else '未修' end) 状态, isnul
l(rep.REPAIR_DESC, '') 维修备注, rep.defectAnalysis 不良原因分析, rep.defect
Category 不良类别, def.REPAIR_USER 维修者, org.OrganizeName 责任部门, (case
rep.REPAIR_ACTION when 1 then '正常维修' when 2 then '报废' else '' end )
维修类型, def.QTY 数量 from [Udit.SFC].[dbo].[QS_DEFECTS] (nolock) def
left join [Udit.SFC].[dbo].[QS_REPAIR_INFO] (nolock) rep on def.DEFECT_I
D=rep.DEFECT_ID left join [Udit.Sys].[dbo].[sys_organize] (nolock) org o
n rep.dutyDept=org.OrganizeCode where def.lot_name=@lot ) s where 1=1

-- 绑定关联
select LOT_NAME, SERIAL_NUMBER, STATION_NAME, MATERIEL_NO, ASSEMBLY_SN,
ASSEMBLY_TIME, ASSEMBLY_USER from [Udit.sfc].[dbo].[QS_ASSEMBLY] where lot
_name=@lot

-- 工艺流程
select b.name '工艺名', c.name '工序名', a.seq, a.IS_OFFLINE from QS_ROUTES_
DEFINITIONS a
left join QS_ROUTES b on a.ROUTE_ID= b.ROUTE_ID
left join QS_ROUTE_STEPS c on a.ROUTE_STEP_ID=c.ROUTE_STEP_ID
where a.route_id<>' '
and a.route_id=(select p.route_id from [Udit.SFC].[dbo].[QS_SERIAL_NUMBE
RS] s
left join [Udit.SFC].[dbo].[qs_products] p on s.MODEL_NO=p.name
where s.serial_number='22100003')
order by a.route_id

```

```

-- 条码状态
SEELCT
-- 过站记录
select w.SERIAL_NUMBER, w.LOT_NAME lot_name, w.MODEL_NO model_no,
w.reelBarcode reelBarcode, CONVERT(varchar(12) ,
w.START_TIME, 102 ) + ' ' + CONVERT(varchar(12) , w.START_TIME, 10
8 ) start_time,
w.XUSER xuser, (select name from [dbo].[QS_ROUTE_STEPS] (nolock)
where route_step_id=w.route_step_id) droute, sysline.ShortName , isnull((
select name from [dbo].[QS_ROUTE_STEPS] (nolock) where route_step_id=w.ne
xt_step_id), '完工') nroute, (case w.WIP_STATE when 0 then 'PASS' else 'Fai
l' end) WIP_STATE , (case SCAN_TYPE when 0 then '扫码过站' when 22 then '接

```

```

口过站' when 44 then '维修过站' when 45 then '跳站过站' when 70 then '解绑操作' when 11 then '拆箱操作' when 99 then 'DCP数据采集' when 21 then '误判' when 91 then '条码导入' when 77 then '误测' when 23 then 'RT过站' when 12 then 'BL快修' when 13 then 'BL交换' when 14 then 'BL维修' when 24 then '委外过站' else '其它操作' end ) SCAN_TYPE, (select L.NAME from [dbo].[CT_STATIONS] (nolock) s join [dbo].[CT_LINES] (nolock) l on s.LINE_ID=l.LINE_ID where s.STATION_ID=w.STATION_ID) 线别,n.level 等级 FROM [Udit.SFC].[dbo].[view_wip] (nolock) w join [Udit.Sys].[dbo].[Sys_Resource] (nolock) sysline on w.station_id=sysline.ResourceId left join [Udit.SFC].[dbo].QS_SERIAL_NUMBERS(nolock) n on w.SERIAL_NUMBER=n.SERIAL_NUMBER
        where w.serial_number = @sn ;

```

-- 箱号查询

```

        select          box.box_number,box.box_type,box.box_total,box.box_weight,box.lot_name,box.product_name,item.route_step_name ,item.create_user_name,item.create_time ,l.name line_name
        from ct_boxs box
left join CT_BOX_ITEMS item on box.box_number=item.box_number
left join [dbo].[CT_STATIONS] (nolock) s on s.STATION_ID=box.STATION_ID
left join [dbo].[CT_LINES] (nolock) l on s.LINE_ID=l.LINE_ID
where item.serial_number='22100003'

```

-- 载具查询

```

select car.lot_name ,car.product_name,car.car_number,car.car_size,item.create_time,item.create_user_name
from CT_CARS_HISTORY car
left join CT_CAR_ITEMS_HISTORY item on item.car_number=car.car_number
where item.serial_number='22100003'

```

-- 拼版查询

```

        select distinct serial_number,serial_number_id ,pb, PANEL_INDEX from(select serial_number,serial_number_id ,pb='子板',PANEL_INDEX from [Udit.SFC].DBO.QS_SERIAL_NUMBERS (nolock) where SERIAL_NUMBER_ID in(select ChildItemInventoryID from [Udit.SFC].DBO.DW_Panellinks (nolock) where ParentItemInventoryID=(select top 1 ParentItemInventoryID from [Udit.SFC].DBO.DW_Panellinks (nolock) where ChildItemInventoryID=(select top 1 SERIAL_NUMBER_ID from [Udit.SFC].DBO.QS_SERIAL_NUMBERS (nolock) where SERIAL_NUMBER = @sn)))
        union all select serial_number,serial_number_id ,pb='母板',PANEL_INDEX from [Udit.SFC].DBO.QS_SERIAL_NUMBERS (nolock) where SERIAL_NUMBER_ID = (select top 1 ParentItemInventoryID from [Udit.SFC].DBO.DW_Panellinks (nolock) where ChildItemInventoryID=(select top 1 SERIAL_NUMBER_ID from [Udit.SFC].DBO.QS_SERIAL_NUMBERS (nolock) where SERIAL_NUMBER = @sn))
        union all select serial_number,serial_number_id ,pb='子板',PANEL_INDEX from [Udit.SFC].DBO.QS_SERIAL_NUMBERS (nolock) where SERIAL_NUMBER_ID in(select ChildItemInventoryID from [Udit.SFC].DBO.DW_Panellinks (nolock) where ParentItemInventoryID=(select top 1 SERIAL_NUMBER_ID from [Udi

```

```
t.SFC].DBO.QS_SERIAL_NUMBERS where SERIAL_NUMBER = (@sn)) ) dd order by P
ANEL_INDEX;
-- 绑定关联
select LOT_NAME,SERIAL_NUMBER,STATION_NAME,MATERIEL_NO,ASSEMBLY_SN,
ASSEMBLY_TIME,ASSEMBLY_USER from [Udit.sfc].[dbo].[QS_ASSEMBLY] where ser
ial_number=@sn
```

SQL

```
ALTER TABLE table_name
ALTER COLUMN column_name new_data_type;
ALTER TABLE table_name
ADD column_name data_type [NULL | NOT NULL] [DEFAULT default_value]
```

```
-- 备料, 调拨, 其他单据
select a.[BillNo]
,a.[ContractCode]
,a.[inWarehouseCode] 仓库编码
,w.[WarehouseName] 备料仓名
,b.[RowId] 备料项次
,(b.[Num]-b.[RemainNum]) 已发数
,b.[Num] 需求数
,b.[MaterialCode]
,c.[REEL_BARCODE]
,c.[LOCATION]
,color.[name]
,color.[color] 需要颜色
,d.[color] 亮灯颜色
FROM [Udit.Mms].[dbo].[mms_bills] a
left join [Udit.Mms].[dbo].[mms_aibin_lightcolor] color on color.[pic
k_id]=a.[BillNo]
left join [Udit.Mms].[dbo].[mms_billsdetail] b on b.[BillNo]=a.[Bill
No]
left join [Udit.Mms].[dbo].[mms_REELS] c on c.[MATERIAL_NO]=b.[Mater
ialCode] and c.STATUS=1 and c.[WAREHOUSE]=a.[inWarehouseCode]
left join [Udit.Mms].[dbo].[mms_aibins] d on d.[bin]=c.[LOCATION]
left join [Udit.Mms].[dbo].[mms_warehouse] w on w.[WarehouseCode]=
a.[inWarehouseCode]
where a.billNO='PD221207000003'
union all
select a.[BillNo]
,a.[BillNo]
```

```

,a.[WarehouseCode] 仓库编码
,w.[WarehouseName] 备料仓名
,b.[RowId] 备料项次
,(r.[Num]-b.[Qty]) 已发数
,r.[Num] 需求数
,b.[Material_Code]
,c.[REEL_BARCODE]
,c.[LOCATION]
,color.[name]
,color.[color] 需要颜色
,d.[color] 亮灯颜色

FROM [Udit.Mms].[dbo].[mms_transfer] a
left join [Udit.Mms].[dbo].[mms_aibin_lightcolor] color on color.[pick_id]=a.[BillNo]
left join [Udit.Mms].[dbo].[mms_transferreels] b on b.[BillNo]=a.[BillNo]
left join [Udit.Mms].[dbo].[mms_transferDetail] r on r.[BillNo]=a.[BillNo]
left join [Udit.Mms].[dbo].[mms_REELS] c on c.[MATERIAL_NO]=b.[Material_Code] and c.STATUS=1 and c.[WAREHOUSE]=a.[WarehouseCode]
left join [Udit.Mms].[dbo].[mms_aibins] d on d.[bin]=c.[LOCATION]
left join [Udit.Mms].[dbo].[mms_warehouse] w on w.[WarehouseCode]=a.[WarehouseCode]
where a.billNO='PD221207000003'
union all
SELECT a.[BillNo]
,a.[ContractCode]
,b.[WarehouseCode] 仓库编码
,w.[WarehouseName] 备料仓名
,b.[RowId] 备料项次
,(b.[Num]-b.[RemainNum]) 已发数
,b.[Num] 需求数
,b.[MaterialCode]
,c.[REEL_BARCODE]
,c.[LOCATION]
,color.[name]
,color.[color] 需要颜色
,d.[color] 亮灯颜色
FROM [Udit.Mms].[dbo].[mms_pick] a
left join [Udit.Mms].[dbo].[mms_aibin_lightcolor] color on color.[pick_id]=a.[BillNo]
left join [Udit.Mms].[dbo].[mms_pickDetail] b on b.[BillNo]=a.[BillNo]
left join [Udit.Mms].[dbo].[mms_REELS] c on c.[MATERIAL_NO]=b.[MaterialCode] and c.STATUS=1 and c.[WAREHOUSE]=b.[WarehouseCode]
left join [Udit.Mms].[dbo].[mms_aibins] d on d.[bin]=c.[LOCATION]

```

```

left join [Udit.Mms].[dbo].[mms_warehouse] w on w.[WarehouseCode]=b.[WarehouseCode]
where [ContractCode] like '%PD221207000003'
and b.[RemainNum] >0
order by b.[RowId] asc

```

```

-- 包装设置
select top 100 * from
SYS_PACK_SETTING

```

```

--跨库查询
select top 100* from
mms_reels(nolock) a
left join
openrowset('SQLOLEDB','124.71.33.56';'sa';'password.',[Udit.Mms].[dbo].[mms_reels]) b
on a.reel_barcode=b.reel_barcode
where a.reel_barcode=b.reel_barcode

```

```

-- IQC检验查询
select top 200
'检验结果'=case when a.ApproveState='1' then '提交' when a.ApproveState='0' then '未提交' end
,a.BillNo '检验单号',a.Receive_BillNo '收料单号'
,d.MaterialCode '物料编码',d.MaterialName '物料名称'
,s2.Merchantsname '供应商名称'
,d.Receive_Qty '来料数量',d.Sample_Qty '抽检数量'
,iq.attribute_value '扫描数量',iq1.attribute_value '合格数量',iq2.attribute_value '不合格数量'
,s.username '检验人',s.createDate '检验时间',s1.username '批准人',a.ApproveDate '批准时间'
from
mms_IQC_Orico_Master(nolock) a
left join [Udit.Sys].dbo.sys_user(nolock) s on a.createperson=s.usercode
left join [Udit.Sys].dbo.sys_user(nolock) s1 on a.ApprovePerson=s1.usercode
left join mms_IQC_Orico_Detail(nolock) d on d.billno=a.billno
left join mms_receive(nolock) r on d.Receive_BillNo=r.billno
left join mms_merchants(nolock) s2 on r.SupplierCode=s2.MerchantsCode
left join mms_IQC_Result(nolock) re on r.billno=re.rebillno and d.rowid=re.rowid
left join mms_iqc_formcontents(nolock) iq on iq.id=a.billno and iq.[attribute_key]='SmokeNum'

```



```

left join mms_iqc_formcontents(nolock) iq1 on iq1.id=a.billno and iq1.[attribute_key]='GoodNum'
left join mms_iqc_formcontents(nolock) iq2 on iq2.id=a.billno and iq2.[attribute_key]='BadNum'
order by a.BillNo desc

```

```

-- 锁表查询
select request_session_id spid,OBJECT_NAME(resource_associated_entity_id)
tableName
from sys.dm_tran_locks where resource_type='OBJECT'
-- 杀死锁表进程
declare @spid int
Set @spid = 65 -- 锁表进程
declare @sql varchar(1000)
set @sql='kill '+cast(@spid as varchar)
exec(@sql)

```

```

SELECT a.billNo,a.equipment,a.createDate,b.*

FROM [Udit.CHC].[dbo].[Tooling_SpotCheckMaster] A
JOIN [Udit.CHC].[dbo].[Tooling_SpotCheck] b ON b.pid = A.id
WHERE A.equipment='Q001693'
ORDER BY A.createUser DESC

```

```

SELECT rt.name,s.name,r.seq FROM
QS_ROUTES_DEFINITIONS r
right join QS_ROUTE_STEPS s on s.route_step_id=r. route_step_id
right join qs_routes rt on rt.route_id=r.route_id
WHERE r.ROUTE_ID =(
SELECT ROUTE_ID FROM QS_PRODUCTS WHERE PRODUCT_ID=
(SELECT PRODUCT_ID FROM QS_LOTS WHERE LOT_NAME='M0006958')
)
order by seq asc

```

收料

```

declare @date varchar(20)
set @date = '{date}'
if(@date='')
begin
    set @date = getdate()

```

```

--set @date = '2020-12-28'

end

SELECT
re.BillNo 收料单号
,re.ApprovePerson 操作员
,CASE WHEN re.OriginalNum like '%OT%' THEN re.OriginalNum ELSE '' END
送货单号
, convert(varchar(12),re.CreateDate,111) 时间
,rt.MaterialCode 物料编码
,CEILING(rt.Num) 送货数量
,rt.SrcBillNo 采购单号
,rt.MaterialName 名称
,mer.MerchantsName 供应商
,case when re.OriginalNum like '%OT%' THEN '供应商送货' ELSE '内部收料' EN
D 收料类型

FROM [Udit.Mms].[dbo].[mms_receive] re --收料单主表
join [Udit.Mms].[dbo].[mms_receivedetail] rt ON rt.BillNo = re.BillNo
--收料单详情
join [Udit.Mms].[dbo].[mms_merchants] mer ON mer.MerchantsCode = re.Sup
plierCode --供应商目录

where datediff (day,ApproveDate,GETDATE()) = 0 order by ApproveDate asc
--where CONVERT(varchar(100), ApproveDate, 23) = '2020-12-29' order by Ap
proveDate asc

```

查询收料状态

```

ALTER PROCEDURE [dbo].[receve_status_search]
@billno varchar(100),
@MaterialCode varchar(100),
@percharbill varchar(100),
@bill_status varchar(100),
@page int,
@row int
as
begin

declare @start_seq int,@end_seq int

set @start_seq = (@page - 1)*@row + 1
set @end_seq =@page*@row

```

```

select * from (
select ROW_NUMBER() OVER(ORDER BY BillNo desc) erq, * from (select V2.B
illNo, V2.RowId, V2.SrcRowId ,V1.SupplierCode, V2.SRCBILLNO, V2.MaterialC
ode, v2.materialname, v2.Model, v2.num, v2.checknum, v1.contractcode, (d
2.num - d2.remainnum) d2num, d1.erpbillno, v1.approvestate, isnull(d1.Bil
lNo, '') cBillNo, isnull(d1.ERPBillNo, '') cERPBillNo, case when v1.Ap
proveState = 0 then '收货中' when(v1.ApproveState = 1 and v2.CheckNum i
s null) then '待IQC检验' when(d1.BillNo is null and v2.CheckNum > 0) th
en '待入库' when( v2.CheckNum = 0 and d1.BillType='Check_and_return')
then '已验退' when(not d1.BillNo is null and d1.ApproveState = 0) the
n '入库中' when(not d1.BillNo is null and d1.ApproveState = 1 and v
2.CheckNum > 0 and((d2.num - d2.remainnum) != 0 or(d2.num - d2.remainnum)
is null)) then '已入库' when(not d1.BillNo is null and((d2.num - d2.re
mainnum) = 0 or(d2.num - d2.remainnum) is null)) then '待入库' else '其
它' end 状态
from mms_receive (nolock)v1
inner join mms_receivedetail(nolock) v2 on v1.BillNo = v2.BillNo
left join mms_billsdetail(nolock) d2 on v2.BillNo = d2.SrcBillNo and v2.R
owId = d2.SrcRowId and v2.MaterialCode = d2.MaterialCode
left join mms_bills(nolock) d1 on d2.BillID = d1.id
where v2.BillNo like '%' + @billno + '%'
and v2.MaterialCode like '%' + @MaterialCode + '%'
and v2.SrcBillNo like '%' + @percharbill + '%'
--and( ( ( ((d2.num - d2.remainnum) != (case when exists(select
* from mms_billsdetail where SrcBillNo = d2.SrcBillNo and RowID = d2.Row
ID and (num - remainnum) != 0)then 0 else 1 end)))) or (d1.ApproveS
tate = 0 and((d2.num - d2.remainnum) != 0 or(d2.num - d2.remainnum) is nu
ll)) )
) h where 状态 like '%' + @bill_status + '%'
k where erq >= @start_seq AND erq <= @end_seq

end

```

备份语句

备份语句

```

BACKUP DATABASE [Udit.Mms]
TO
DISK = N'D:\test\mms_bak\mms_bak.bak'
WITH
NAME = N'Udit.Mms - Backup',
NOFORMAT, NOINIT, SKIP,

```

```

    STATS = 5
还原语句
RESTORE DATABASE [Udit.Mms_test]
FROM
    DISK = N'D:\test\mms_bak\mms_bak.bak'
WITH
    FILE = 1,
    RECOVERY,
    STATS = 5;

```

标签取值

```

select
    max(case item.CKEY when 'customer_material_no' then item.CVALUE else
    'end ) 'customer_material_no'
    ,max(case item.CKEY when 'customer_material_name' then item.CVALUE el
se 'end ) 'customer_material_name'
from
    [Udit.SFC].dbo.SYS_PRODUCT_BASEINFO_ITEMS(nolock) item
    left join [Udit.SFC].dbo.SYS_PRODUCT_BASEINFO(nolock) s on item.PID=
s.id
where
    s.PRODUCT_ID =(
    select PRODUCT_ID from qs_products(nolock) where
    name=(select model_no from qs_serial_numbers(nolock) where serial_num
ber='{serial}')
    )
    and item.CKEY in('customer_material_no','customer_material_name')

```

校验装箱时水排码顺序扫描

```

ALTER PROCEDURE [dbo].[CHECK_PSN_IS_ORDER_SCAN]
    @productId nvarchar(100),
    @lotId nvarchar(100),
    @stationId nvarchar(100),
    @routeStepId nvarchar(100),
    @userId nvarchar(100),
    @boxId nvarchar(100),
    @serialNumberID nvarchar(100),
    @serialNumber VARCHAR(100)

```

```

AS
BEGIN

    --insert into [Udit.sys].[dbo].[sys_public]([key],[val]) values('CHECK_PSN_IS_ORDER_SCAN',@LotId+@serialNumber)

    declare @last_psn varchar(100)
    declare @first_psn varchar(100)
    DECLARE @PSN varchar(100)
    declare @lot_name varchar(100)
    declare @msg varchar(100)
    declare @error varchar(100)
    -- 找到该工单最后一个装箱的条码的客户码
    -- 找到工单
    select @lot_name=lot_name from qs_lots(nolock) where lot_id=@lotId
d
    -- 找到客户水排码
    select @PSN=ASSEMBLY_SN from QS_ASSEMBLY(nolock) where serial_Number=@serialNumber
    --set @PSN=@serialNumber
    -- 找到本工单未装箱的第一个水排码

    select top 1 @first_psn=customer_sn from [udit.csr].dbo.AP_CUSTOMER_SN(NOLOCK) where po=@lot_name order by customer_sn asc

    select top 1 @last_psn=ASSEMBLY_SN from QS_ASSEMBLY(nolock) bing
        left join CT_BOX_ITEMS(nolock) item on item.SERIAL_NUMBER=bing.serial_number
        where bing.lot_id=@lotId
        and item.serial_number is null
        order by ASSEMBLY_SN asc

    if (@last_psn is null)

        begin
            if(@PSN=@first_psn)
            begin
                set @msg='验证通过！'
                set @error=0
                --SELECT 0 AS errorcode, '验证通过！' AS msg
            end
            else
            begin
                set @msg='请从第一个开始扫描'
                set @error=1
                --SELECT 1 AS errorcode, '请从第一个开始扫描！' AS
msg
            end
        end

```

```

        end

        select @error AS errorcode ,@msg AS msg
    end
    else
        begin
            -- 找到下一个水排码，如果和扫描的不一致，则提示
            if(@PSN=@last_psn)
                begin
                    set @msg='验证通过！'
                    set @error=0
                    --SELECT 0 AS errorcode, '验证通过！' AS msg
                end
            else
                begin
                    set @msg='未按客户水排码顺序扫描，请更换！应扫描：'+convert(varchar(100),@last_psn)
                    set @error=1
                    --SELECT 1 AS errorcode, '未按客户水排码顺序扫描，请更换！应扫描：'+convert(varchar(100),(@last_psn+1)) AS msg
                end
            end

            select @error AS errorcode ,@msg AS msg
        end
    end
END

```

扣料记录查询

```

select top 200 b.Identifier 条码,a.uid 物料,b.WorkOrder 工单,r.MATERIAL_NO 料号,t.PanelUse 用量

--,(CONVERT(decimal(18,3) ,b.Identifier)*t.PanelUse) 扣数
from ItemTraceData a
left join ItemTraceHistories b on a.guid=b.PCheckingProductUID
left join [Udit.Mms].dbo.mms_reels(nolock) r on a.uid=r.REEL_BARCODE
left join ItemTraceData(nolock) t on a.uid=t.uid
where 1=1
and b.WorkOrder='15111-2407001'
--and t.PanelUse>0
group by b.Identifier,a.uid ,b.WorkOrder ,r.MATERIAL_NO ,t.PanelUse

```

关联拼版历史条码查询扣数记录

```

select distinct top 200
(SELECT STUFF((
    SELECT ',' + serial_number
    FROM qs_serial_numbers(nolock)
    where serial_number_id in(
        select distinct ChildItemInventoryID From DW_PanellinkHistories(nolock)
where ParentItemInventoryID =(
    select distinct ParentItemInventoryID From DW_PanellinkHistories(nolock)
where
    ChildItemInventoryID=(select serial_number_id from qs_serial_numbers(nolock) where serial_number=b.Identifier)
)
)
FOR XML PATH(''))
), 1, 2, '' ) AS ConcatenatedRow) 拼版关联条码,
b.Identifier 条码,a.uid 物料,b.WorkOrder 工单,r.MATERIAL_NO 料号,t.PanelUse
用量

--, (CONVERT(decimal(18,3) ,b.Identifier)*t.PanelUse) 扣数
from [Udit.CHC].dbo.ItemTraceData a
left join [Udit.CHC].dbo.ItemTraceHistories b on a.guid=b.PCheckingProdu
ctUID
left join [Udit.Mms].dbo.mms_reels(nolock) r on a.uid=r.REEL_BARCODE
left join [Udit.CHC].dbo.ItemTraceData(nolock) t on a.uid=t.uid

where 1=1

and b.Identifier='04060-02910000EK24482002042'
--and b.WorkOrder='15111-2407001'
--and t.PanelUse>0
group by b.Identifier,a.uid ,b.WorkOrder ,r.MATERIAL_NO ,t.PanelUse

```

结果示例

拼版关联条码	条码	物料	工单	料号	用量
1 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	GD-DS-210MM-006-1	W325-241100049	GD-DS-210MM-006R	0
2 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	GD-DS-210MM-006-2	W325-241100049	GD-DS-210MM-006L	0.00000
3 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	ND0011241017000727	W325-241100049	5211-205000052	0
4 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	GD-DS-210MM-006-2	W325-241100049	GD-DS-210MM-006L	0.00000
5 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	GD-DS-210MM-006-1	W325-241100049	GD-DS-210MM-006L	1.00000
6 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	NC0030241126000002	W325-241100049	5182-106000001	1.00000
7 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	ND0011241024000691	W325-241100049	5221-306000046	1.00000
8 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	ND0029240918000705	W325-241100049	5321-306000002	0
9 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	A22-01	W325-241100049	585002-TOF	1
10 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	ND0011241017000441	W325-241100049	5241-202000007	1.00000
11 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	nd0028241111000077	W325-241100049	W705	1.00000
12 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	GD-DS-210MM-006-2	W325-241100049	GD-DS-210MM-006L	1
13 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	ND0011241021000207	W325-241100049	5411-441000001	1.00000
14 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	ND0011241105000196	W325-241100049	5211-202000009	1.00000
15 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	ND0011241112000218	W325-241100049	5211-205000034	3.00000
16 4060-02910000EK24482002041, 04060-02910000EK24482002042, 04060-02910000EK24482002044, 04060-02910000EK24482002043	04060-02910000EK24482002042	ND0011241017000727	W325-241100049	5211-205000052	1.00000

客户信息

杰成服务器
创明
好帮手丰诺
博凯悦todesk
江机
信佳
苏州硕贝德
凯尔
博源
精工

杰成服务器

电脑密码 dwmes ToDesk:732 927 557 254416

星酷

todesk
914969869
a12345678A*
桌面密码
jianxin2022#

昂湃液冷

均维服务器
向日葵
256131870
Aa123456
桌面密码
drmwe123

昂湃服务器
todesk
738574895
g402k6qw
桌面密码
Ap_88888888

创明

目前已停用
349 346 490
3wqvmc
桌面密码
chammes.2015

好帮手丰诺

数据库 向日葵远程 893343575 fn852
服务器 853295655 fn852
桌面密码 123@abc
todesk数据库
762 301 059
035708
服务器todesk
492886410
080788

景欣泰向日葵

658 842 264
密码需和客户要

博凯悦todesk

508771549
Bkymes88
桌面密码
administrator
abc@123

博源todesk web

783148568
kt525yvx

桌面密码
TP0922%web
数据库服务器todesk
144196457
m5f72hsu

向日葵
946 356 231
Rz4yn1
TP0922%db
mes账号
panamosheng
Ab@112233
博源供应商端口
<http://183.239.134.162:8500/>

华为接口
<https://openapi.huawei.com/eSupplier/#/main>
scs_z001ut
mfl7788@123
新增或更新标签 (updateLabel)
来自 <https://openapi.huawei.com/eSupplier/#/detail/51/75>
<https://openapi.huawei.com/eSupplier/#/detail/51/75>
TOPOWQJZHUSU963. TOPOWQJZHUSU963. TOPOWQJZHUSU963. TOPOWQJZHUSU963. TOPOWQJZH
USU*963.0606

江机

向日葵

958 405 018

973tze

信佳

http://192.168.8.12

正式端口

http://192.168.8.12:8078

测试端口

东莞测试服务器：192.168.8.10

系统账号：dwadmin

密码：Suga2023

数据库密码：S

U2023ga

vpn

116.6.82.226

suga1234

ping.lee

SUqiye2024

编辑VPN链接

VPN

SSL-VPN

IPsec VPN

连接名

suga

描述：

suga1234

远程网关

116.6.82.226

✕

+Add Remote Gateway

验证方式

共享密钥

▼

.....

认证(XAuth)

☐ 登录时提示

☒ 保存登录名

☐ 关闭

ms.pan

+ 高级设置

海业向日葵

510277437
123456

桌面密码
mes.123
sa 数据库
mes.123

todesk
277017612
056537
server=192.168.1.250;uid=sa;pwd=mes.123

晶华显示

ToDesk设备代码:946 704 048
临时密码:111222
向日葵：
我的识别码:152343116
密码：123456

敦实

151 283 825
dt2023
桌面密码
ABCabc123

苏州硕贝德

服务器
远程 192.168.125.40
账号lcpmes 密码mesSZLCP321!@#

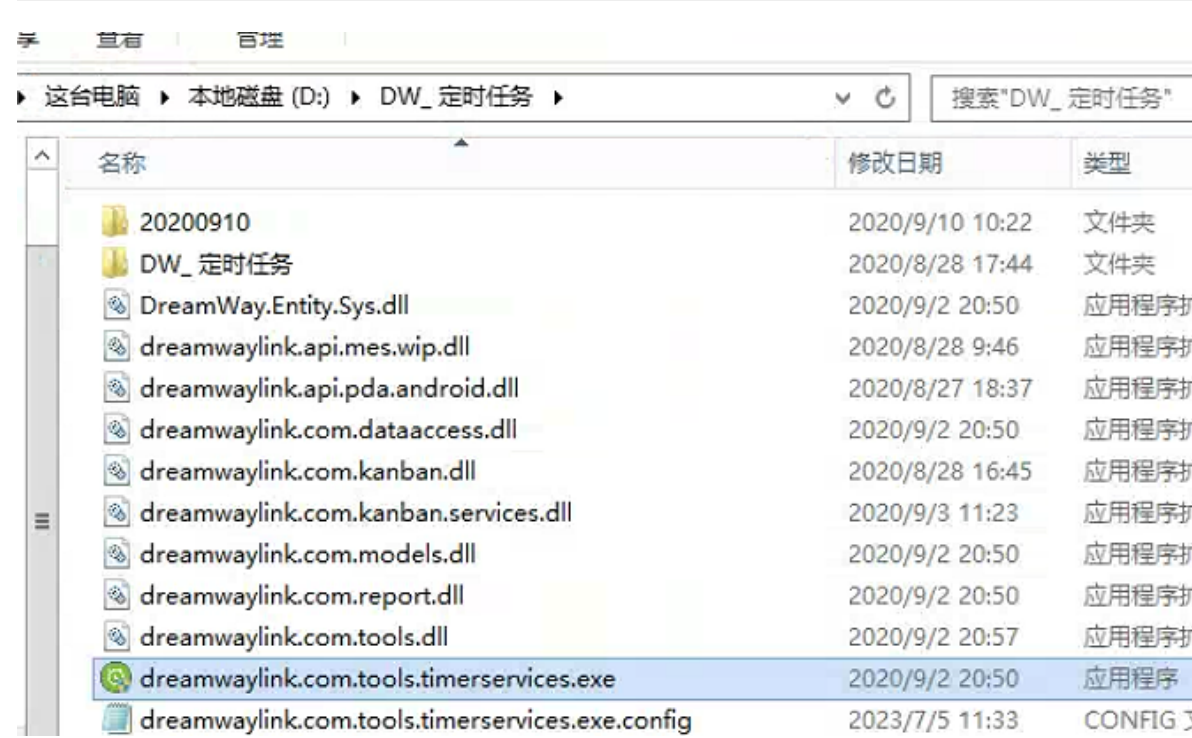
数据库 192.168.125.40
sa mesSZLCP321!@#
192.168.125.40:8081 批次模式测试端口
192.168.125.40:8080 sip 批次正式端口

```
dotesk
719 109 477 密码：q3nbu60b
账号lcpmes      密码mesSZLCP321!@#
MES账号  admin mes2020

外网地址
http://222.92.121.235:8006/
\\Win-8m6tpm67ki6\共享文件

server=192.168.125.40;uid=sa;pwd=mesSZLCP321!@#;database=Udit.sfc
```

苏州硕贝德定时任务路径（已停用，请勿启用!）



测试数据同软件路径

本地磁盘 (E:) > 测试数据同步 > bin > Debug >					搜索"Debug"
位置	名称	修改日期	类型	大小	
	dreamwaylink.entity.sys.dll	2020/6/5 18:20	应用程序扩展	86 KB	
	dreamwaylink.entity.sfc.dll	2020/5/29 17:04	应用程序扩展	265 KB	
	dreamwaylink.entity.chc.dll	2020/5/26 17:30	应用程序扩展	395 KB	
	dreamwaylink.com.tools.dll	2020/5/26 17:30	应用程序扩展	116 KB	
	dreamwaylink.com.testdata.dll	2020/3/7 11:10	应用程序扩展	15 KB	
	dreamwaylink.com.models.dll	2020/5/29 17:04	应用程序扩展	27 KB	
	dreamwaylink.com.dataaccess.dll	2020/5/29 17:04	应用程序扩展	8 KB	
	dreamwaylink.testdata.vshost.exe	2020/5/11 9:47	应用程序	23 KB	
	dreamwaylink.testdata.exe	2020/6/12 15:55	应用程序	32 KB	
	dreamwaylink.testdata.pdb	2020/6/12 15:55	PDB 文件	60 KB	
	dreamwaylink.com.testdata.pdb	2020/3/7 11:10	PDB 文件	34 KB	
	dreamwaylink.testdata.vshost.exe.ma...	2020/5/9 15:22	MANIFEST 文件	17 KB	
	dreamwaylink.testdata.exe.manifest	2020/6/12 15:55	MANIFEST 文件	17 KB	
	dreamwaylink.testdata.vshost.exe.con...	2020/5/9 10:06	CONFIG 文件	3 KB	

维力谷

http://4193083s8f.wicp.vip:8090/

账户 lp

密码111111

应用服务器 向日葵:

111531104

1qaz2wsx

应用服务器 XT800: 64813815

应用服务器 IP (192.168.1.250) administrator Hnqx90823

数据库服务器 向日葵: 432574070 a123456

数据库服务器 IP (192.168.1.251) administrator Hnqx90823

数据库登录 IP (192.168.1.251) sa @mes2021

ERP数据库登录 IP (192.168.1.101) sa Hnqx90823

裕铭力科

服务器 : 192.168.1.141

服务器密码 : ABCabc123

todesk : 825 694 702

密码 : y07q875a

MES 帐号 lp 密码 : 111111

ERP 服务器
192.168.1132 , sa 123

乐苏

向日葵
730 707 520
OUav3BC
外网地址
http://183.56.181.84:801/

安徽凯尔：

http://58.210.213.42:8061/ 外网
http://192.168.135.211:8061/ 内网

WiFi
账号：office
密码：Ahkerr123456
WiFi
账号：2F-CHEJIAN
密码：kerr888@

ERP
账号：mesah
密码：mesah

MES
账号：sa
密码：AHKERR@2022

server=192.168.135.211,1476;database=udit.mms;user=sa;pwd=AHKERR@2022

苏州凯尔

内网地址 192.168.135.211
外网地址 http://58.210.213.42:8060/
数据库端口 58.210.213.42,8040/
开机密码 JSkerr@123
桌面远程 192.168.135.211
账号：administrator
密码：JSkerr@123
pda账号：100 1

MES数据库密码 sa kerrmes@2020
ERP数据库地址 192.168.135.27
ERP账户 测试 dwmes 密码 dw@qq2
正式 mes dw@mes2021

vpn下载地址
https://58.210.213.42:7443/
vpn
kerr018 dw@vpn2024

江苏省苏州市漕湖街道春耀路21号

server=192.168.135.211;database=udit.mms;user=sa;pwd=kerrmes@2020

部署目录



名称	ID	状态	绑定	路径
801	3	已启动 (http)	*:801 (http)	D:\MES-测试 - 副本
8062	7	已启动 (http)	*:8062 (http)	D:\MES-安徽 - 副本
8063	5	已启动 (http)	*:8063 (http)	D:\MES-安徽 - 测试2
MES	1	已启动 (http)	*:80 (http)	D:\MES
MES-SMT	9	已启动 (http)	*:8050 (http)	D:\MES-SMT
MES-安徽凯尔	6	已启动 (http)	*:8061 (http)	D:\MES-安徽
SMT-8081	4	已启动 (http)	*:8081 (http)	D:\MES-SMT - 副本
SUP	2	已启动 (http)	*:8000 (http)	D:\MES

惠州硕贝德

新访问方式

todesk

598921266

449413zt

汽车电子 todesk

798182107

Wrr3h2pt

天线平台 59.33.254.78:33810 172.16.6.7:8080

天线供应商平台 59.33.254.78:45678 172.16.6.7:8022

智联mes 59.33.254.78:33811 172.16.6.7:80

智联供应商 59.33.254.78:33815 172.16.6.7:8083

- ▶ 13335PDA8001--天线PDA(测试端口)
- ▶ 14335MES8060-2205安卓PCK
- ▶ 14335MES8080--天线MES
- ▶ 14335MES8081-外协厂
- ▶ 14335MES8099
- ▶ 14335PDA8001--天线PDA
- ▶ 14335PDA8003
- ▶ 14335PDA上料8066
- ▶ 14335WMS合并送货8022--天线供应商标端
- ▶ 1433MES801-车载
- ▶ 1433MES80--车载MES
- ▶ 1433PDA8000--车载PDA
- ▶ 1433WMS8083--车载供应商标端
- ▶ 汽车智联MES测试8013
- ▶ 汽车智联PDA测试
- ▶ 汽车智联供应商平台测试8112
- ▶ 天线MES测试8024
- ▶ 天线WMS测试8110
- ▶ 天线华为PKGID测试
- ▶ 天线外协8091

亚华

MES服务器 登录密码：Jxyh0001

数据库账号：sa 密码：Jxyh0001

向日葵地址：334 946 672

向日葵密码：12346578

ToDesk：

设备代码：446 552 561

临时密码：438846

MES系统网址：https://192.168.16.246/

兆兴博拓深圳

pcheck 802端口

pda 8077端口

移动货架 8089端口

移动货架测试端口8024

192.168.2.250

ZXBT深圳

administrator

Z2023!a@pwd!

数据库

server=192.168.73.250;uid=sa;pwd=@zxbt123

优力普

向日葵

185 911 145

8ja585

密码空



金日

金日汝湖

Todesk(新)

554 391 438

g7285r2s

桌面密码：Gdczly@2025

汽车电子

todesk

501177081

密码：Speed@23

Administrator / mesSERVER10.36!@#456

账号

lp

000000

外协

服务器远程：

todesk

879 799 337

Aa123456789.

桌面：

mesSERVER10.35!@#456

长沙兆兴博拓

926 270 715

Cs1958Y!

用户 administrator

密码 waBZ1927*

松湖精工服务器 dotesk

``` 604044181 7ueknza4 桌面密码 pinelake2023

精工客户连接方式

首先获取本地ip给到客户 <https://www.ip138.com/>

远程客户服务器 应用服务器 10.125.17.143

183.63.171.26:17143

aPPGsw%20240530!

# 尚远

todesk

122194212

Mes.9999

windows密码

Admin202211@123

# 仁德

ToDesk:

设备代码:496 413 447

临时密码:c0z6p8pv

MES服务器:

Administrator

密码：Admin@rde

ERP测试环境帐套：

账号：W.G

密码：123



# 伟创

---

向日葵

614 254 269

PC192168

桌面密码

Kpower2023

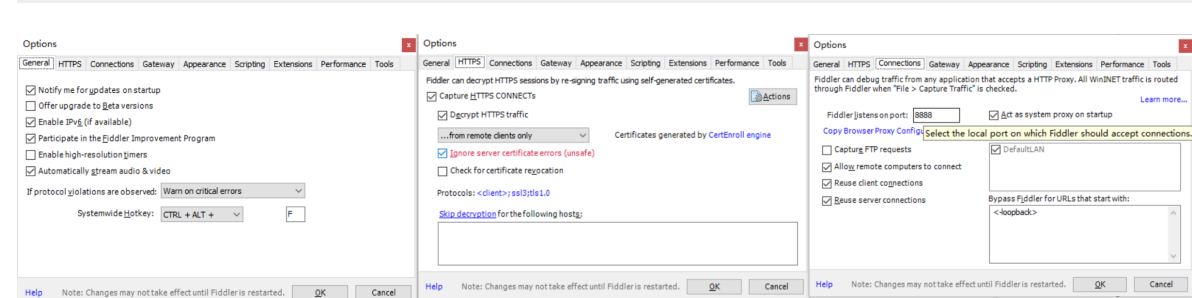
Ip 111111

## 附件

- [深圳兆兴博拓vpn.zip](#)
- [信佳vpn.zip](#)

# 部分问题处理步骤

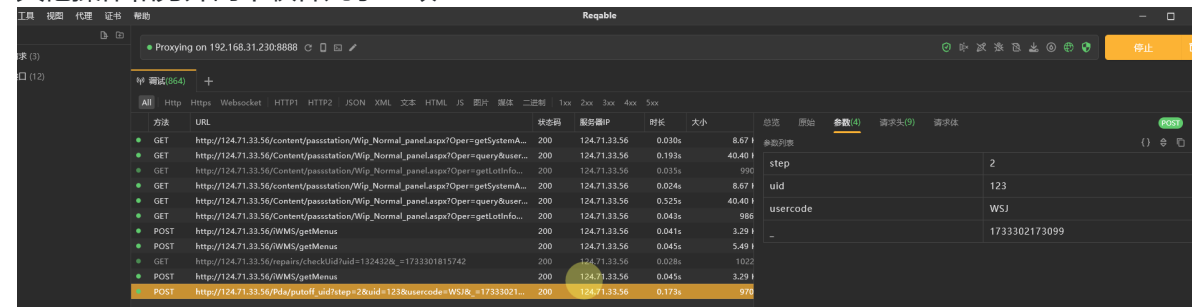
## fiddler 配置 追踪请求



# 用Reqable 替代fiddler 和postman

手动选择一个本机IP的代理 端口设置为8888

其他操作和另外两个软件几乎一致



# 1.博源整箱条码只有一个过站问题

```
-- 华为关联箱号查询
select hw.shipmentNum,hw.barcode,box.box_number,s.serial_number,s.lot_name,c.box_weight from HW_B2B_ASNLabel (nolock) hw
-- serial_number 为箱号 bing_sn 为华为asn
left join QS_BINDING (nolock) b on b.BINDING_SN=hw.barcode

left join CT_BOX_ITEMS (nolock) box on box.box_number=b.serial_number
left join ct_boxs (nolock) c on box.box_number=c.box_number
left join qs_serial_numbers (nolock) s on box.serial_number=s.serial_number
```

```
where
hw.shipmentNum='J23C13ANT'
```

```
-- 扩展同类型问题处理方式
--a. 单条码跳站
create PROCEDURE [dbo].[jump_js]
@sn_id AS varchar(200) ,
@route_step_name AS varchar(200)
AS
BEGIN
 declare @temp_sn varchar(100)
 declare @route_step_id varchar(100)
 select @temp_sn = serial_number from [Udit.sfc].dbo.QS_SERIAL_NUMBERS
(nolock)
 where serial_number_id=@sn_id
 select @route_step_id =route_step_id from [Udit.sfc].dbo.qs_route_ste
ps(nolock) where [name]=@route_step_name
 if @temp_sn is null
 begin
 select @temp_sn+'条码不存在！' msg
 end
 else if @route_step_id is null
 begin
 select @route_step_name+'工序不存在！' msg
 end
 else
 BEGIN
 begin Try
 begin TransAction

 update [Udit.sfc].dbo.QS_SERIAL_NUMBERS set next_step_id = @
route_step_id where serial_number = @temp_sn

 -- 提交
 commit TransAction
 select @temp_sn +'跳站成功！下一站'+@route_step_name msg
 end try
 begin catch
 -- 出错回滚
 Rollback TransAction
 select '跳站失败！' msg
 end catch
 END
 END
END
```

```

--b. 其他跳站，按工单跳站暂时不支持，一般没这种业务需求
ALTER PROCEDURE [dbo].[mix_jump_js]
 @sn AS varchar(200) ,
 @type as int, -- 1 单条码 2 拼版 3 箱号 4 工单
 @route_step_name AS varchar(200)
AS
BEGIN
 declare @temp_sn_id varchar(100)
 declare @route_step_id varchar(100)
 declare @tep_parent_id varchar(100)
 declare @tep_sn varchar(100)
 declare @tep_box varchar(100)
 declare @tmp_lot varchar(100)
 if @type=1
 begin
 select @temp_sn_id = serial_number_id from [Udit.sfc].dbo.QS_SERIAL_NUMBERS (nolock)
 where serial_number=@sn
 if @temp_sn_id is null
 begin
 select @sn+'条码不存在！' msg
 end
 exec jump_js @temp_sn_id,@route_step_name
 end
 if @type=2 -- 拼版
 begin
 select @temp_sn_id = serial_number_id from [Udit.sfc].dbo.QS_SERIAL_NUMBERS (nolock)
 where serial_number=@sn
 if @temp_sn_id is null
 begin
 select @sn+'条码不存在！' msg
 end
 else
 begin
 select @tep_parent_id = ParentItemInventoryID from [Udit.sfc].dbo.DW_PannelLinks (nolock)
 where ChildItemInventoryID = @temp_sn_id
 if @tep_parent_id is null
 begin
 select '找不到母版，无拼版关系！' msg
 end
 else
 begin
 declare @wiplist table
 (

```



```

 serial_number_id nvarchar(150)
)
 insert @wiplist select ChildItemInventoryID from
[Udit.sfc].dbo.DW_Panellinks (nolock) where ParentItemInventoryID=@tep_pa
rent_id
 insert @wiplist select @tep_parent_id

 while(exists(select top 1 1 from @wiplist))
 begin
 select top 1 @tep_sn=serial_number_id from @
wiplist
 exec jump_js @tep_sn,@route_step_name
 delete from @wiplist where serial_number_
id=@tep_sn
 end

end
end
end
if @type=3 -- 箱号
begin
 select top 1 @tep_box = box_number from ct_box_items (nolock)
where box_number=@sn -- 此时sn为箱号
 if @tep_box is null
 begin
 select @sn+'找不到箱号!' msg
 end
 else
 begin
 declare @box_items table
 (
 serial_number_id nvarchar(150)
)
 insert @box_items select s.serial_number_id from
ct_box_items (nolock) b
 left join qs_serial_numbers (nolock) s on
s.serial_number=b.serial_number where b.box_number=@tep_box

 while(exists(select top 1 1 from @box_items))
 begin
 select top 1 @tep_sn=serial_number_id from @
box_items
 exec jump_js @tep_sn,@route_step_name
 delete from @box_items where serial_numbe
r_id=@tep_sn

```

```
end

end

end

END
```

## 2.各种列名不存在，对象名不存在

根据下列查询结果看具体是哪个表

```
select a.name 表名 ,b.name 列名
from sys.columns b,sys.objects a
where object_name(b.object_id)=a.name
and b.name='Enabled'
```

## 3.博凯悦和丰诺产品已过站未分板问题处理方式

1.获取母版条码id

```
select ParentItemInventoryID from DW_Panellinks where ChildItemInventoryID=@SERIAL_NUMBER_ID
```

2.获取子母版条码

```
select MODEL_NO 产品,LOT_NAME 工单,SERIAL_NUMBER 条码 from [Udit.SFC].[dbo].QS_SERIAL_NUMBERS (nolock)
where SERIAL_NUMBER_ID in(SELECT ChildItemInventoryID FROM DW_PanellinkHistories where ParentItemInventoryID=@ParentItemInventoryID)
or SERIAL_NUMBER_ID in (ParentItemInventoryID)
```

3.将这些条码一起更新NEXT\_STEP\_ID ,如果完工还需更新serial\_number\_states 为 0

解除拼版关系存储，输入任意一个子板条码即可

```
create PROCEDURE [dbo].[Unlinks]
@sn AS varchar(100)
AS
BEGIN
-- routine body goes here, e.g.
-- SELECT 'Navicat for SQL Server'
declare @temp_sn_id varchar(100)
```

```

declare @tep_parent_id varchar(100)
select @temp_sn_id = serial_number_id from [Udit.sfc].dbo.QS_SERIAL_NUMBERS (nolock)
where serial_number=@sn
if @temp_sn_id is null
begin
select '条码不存在！' msg
end
else
begin
select @tep_parent_id = ParentItemInventoryID from [Udit.sfc].dbo.DW_Panellinks (nolock)
where ChildItemInventoryID = @temp_sn_id or (ParentItemInventoryID = @temp_sn_id)
if @tep_parent_id is null

begin
select '找不到母版，无需分板！' msg
end
else
BEGIN
begin Try
begin TransAction

-- 更新新serial_numbers panel_index 为0
update [Udit.sfc].dbo.QS_SERIAL_NUMBERS
set panel_index = 0
where serial_number_id in(select ChildItemInventoryID from [Udit.sfc].dbo.DW_Panellinks (nolock)
here ParentItemInventoryID = @tep_parent_id

-- 更新拼版模板状态为分板serial_number_state 为3
update [Udit.sfc].dbo.QS_SERIAL_NUMBERS
set serial_number_state = 3
where serial_number_id = @tep_parent_id

-- 插入拼版记录到历史表
INSERT INTO [dbo].[DW_PanellinkHistories]([ID], [DateAdded_BaseDateTimeUTC],
[DateRemoved_BaseDateTimeUTC], [PositionX],[PositionY],[PositionZ],
[Operator], [ProductRouteTransactionID], [ParentItemInventoryID],
[ChildItemInventoryID], [PanelIndex])

```

```

select newid(),DateAdded_DateTime,
getdate(),[PositionX],[PositionY],[PositionZ],
'admin',ProductRouteTransactionID,[ParentItemInventoryID],
[ChildItemInventoryID],[PanelIndex]
from [Udit.sfc].dbo.DW_PanelLinks (nolock) where ParentItemI
nventoryID= @tep_parent_id

-- 删除拼版关系
delete [Udit.sfc].dbo.DW_PanelLinks where ParentItemInventor
yID= @tep_parent_id

-- 提交
commit TransAction
select '解除拼版关系成功！' msg
end try
begin catch
-- 出错回滚
Rollback TransAction
select '解除拼版关系失败！' msg

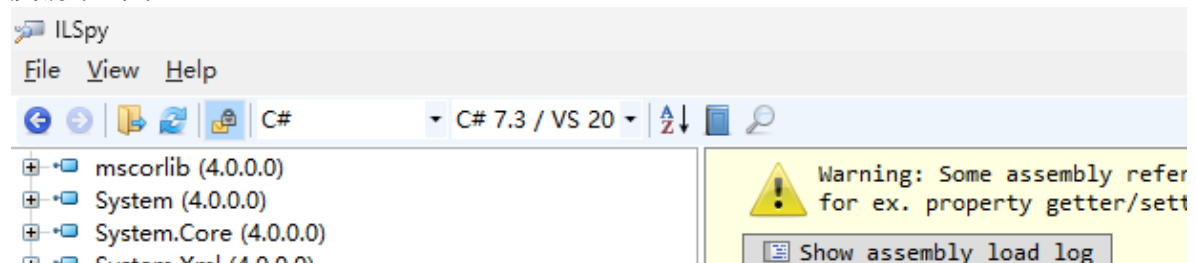
end catch
END
end
END

```

## 4.某应用报错找问题步骤

1.找到界面，打开f12，重复一遍报错操作，查看网页里的请求，找到报错的请求和传参，检查数据是够异常，如果不能解决，提需求找开发处理

### 反编译工具



## 5.芒果db删条码

查条码

```
db.QS_SERIAL_NUMBERS.find({SERIAL_NUMBER:{$in:[
 "CN0GVWW7SQC0034E1104A00"
]}});
```

删条码

```
db.QS_SERIAL_NUMBERS.remove({SERIAL_NUMBER:"CN0GVWW7SQC0034E1104A00"}, {j
ustOne: true})
```

## 11.Pda升级方式(没源码，无需重新编译的情况)

- 1.到客户那里拿升级包，[dreamwaylink.wgt]文件
- 2.改后缀为.zip，解压缩到本地
- 3.用Hbuilder x 打开，点击运行，在自己电脑跑起来



- 4.更改完成后，更改manifest.json文件的版本号，两处均要修改

ew.htmlmanifest.json | manifest.jsonmanifest.json

### 基础配置

[配置指南](#)

应用标识(AppID)  
[DCloud AppID 使用说明](#)

WEMES

应用名称  
离线打包需另行配置: [Android配置](#)、[iOS配置](#)

智慧工厂

应用版本名称  
升级时必须高于上一次设置的值。离线打包需另行配置: [Android配置](#)、[iOS配置](#)

6.4.3

应用版本号  
应用版本号, 必须是整数; 升级时必须高于上一次设置的值。离线打包需另行配置: [Android配置](#)、[iOS配置](#)

643

应用入口页面(首页)地址  
默认为根目录下的index.html; 也可以是网络地址, 网络地址必须以http://或https://开头

index.html

应用描述

☐ 应用是否全屏显示  
全屏并非状态栏透明或变色, 而是没有状态栏 [应用全屏设置说明](#)

- 5.然后再次压缩, 更改文件名为[dreamwaylink.wgt]
- 6.先到客户备份原升级包, 文件夹名为当天日期【2023xxxx】, 然后将改好的文件更新到客户服务器version目录下, 更改version.txt为最新版本号

## 6.博源特殊标签取值

```
create PROCEDURE [dbo].[n-box]
@start AS int ,
@end_num AS int ,
```

```

@box varchar(50)
AS
BEGIN
 --取箱号里的1-n个条码，并排序
 SELECT SN ,MAC,SEQ FROM (
 select s.serial_number SN,Q.ASSEMBLY_SN MAC,row_number() over(order b
y B.serial_number) SEQ from qs_serial_numbers(nolock) s
 left join ct_box_items b on s.serial_number=b.serial_number
 left join QS_ASSEMBLY q on s.serial_number=q.serial_number
 where
 B.box_number=@box
)A
 WHERE
 SEQ >= @start and SEQ <= @end_num
 ORDER BY SEQ

 -- SELECT 'Navicat for SQL Server'
END

```

## 7.海业特殊标签取值

```

--序号
create PROCEDURE [dbo].[carton_index]
@box AS varchar(50)
AS
BEGIN
 SELECT right('000'+convert(varchar,A1.SEQ),3) SEQ,
 A1.BOX_NUMBER,
 right('000'+convert(varchar,ceiling(cast(L.QUANTITY as float)/A1.box_siz
e)),3) QUANTITY
 FROM
 qs_lots L ,
 (
 SELECT row_number() over(order by A1.box_number) SEQ,BOX_NUMBER,LOT_N
AME,box_size
 FROM CT_BOXS A1
 WHERE LOT_NAME=(SELECT lot_name from ct_boxes where box_number=@box)
)A1
 where A1.box_number=@box
 AND L.LOT_NAME=A1.LOT_NAME
 -- SELECT 'Navicat for SQL Server'
END

```

## 8.uid数据

```
select CONVERT(varchar,a.REEL_BARCODE) '条码', a.MATERIAL_NO
, '状态' = case when a.status='0' then '未上架' else '已上架' end
,a.QUANTITY 现有数量,a.InitialQuantity 初始数量, a.WAREHOUSE,a.AREA,a.LOT_N
0,a.DATECODE,a.CREATE_TIME,a.CREATE_DATECODE
,a.DESRIPTION '描述',a.SPECIFICATION '规格'
,b.Quality_Days '保质期天数'
, '过期剩余' =DATEDIFF(day,getdate(), a.ExpirationDate)
,a.ExpirationDate '过期时间'
from mms_reels a
left join mms_material b on a.MATERIAL_NO=b.MaterialCode

where
b.MaterialType <> '3962cea0-9ac5-484c-af1a-098c20b54287'
and (status=1 or status=0)
order by 状态
```

## 9.硕贝德标签问题

Content/business/Content/dobusiness/template/NewOutStock.mrt  
Content/business/Content/dobusiness/template/OutStock.mrt  
修改字段模板中变量类型  
智联的模板目前是outStock.mrt  
代码里面写的如果客户是SPEED,则调用outStock.mrt  
天线没更新后端，调用的是NewOutStock.mrt

客户：惠州硕贝德无线科技股份有限公司  
供应商：惠州国诺电子材料有限公司  
打印日期：2023/09/08

送货单

送货单号：OT2309080078

| 项次 | 采购订单            | 料号                  | 物料名称   | 规格             | 单位 | 送货数量    | 备注 |
|----|-----------------|---------------------|--------|----------------|----|---------|----|
| 1  | 1222-S230900467 | M-FP-00-0000-704-00 | 胶水（白色） | 704硅橡胶（300g每只） | KG | 0.30000 | 加急 |

## 10.凯尔扣料记录查询

```
select a.[Identifier] PCBSN条码,a.WorkOrder,b.uid,c.lot_no ,c.MATERIAL_NO
物料编码
```



```

FROM [Udit.CHC].[dbo].[ItemTraceHistories](nolock) a left join [Udit.CHC].[dbo].[ItemTraceData](nolock) b on b.[Guid]=a.[PCheckingProductUID]
left join [Udit.Mms].[dbo].[mms_REELS](nolock) c on c.[REEL_BARCODE]= b.[UID]
where
a.Identifier in(
select serial_number from [Udit.SFC].dbo.ct_box_items where box_number in
(select serial_number from [Udit.SFC].dbo.ct_box_items where box_number
='C9200-585002102%230906000678')
)

```

## 特殊字符前端拦截问题处理

```
ValidateRequest="false"
```

## 硕贝德同步数据异常处理

有wip\_id 没有neweid 的是未同步的数据

```

select s.lot_name ,s.SERIAL_NUMBER ,m.NeweID,t.WIP_ID ,r.name , m.key
name ,m.value ,

(case q.WIP_STATE when 0 then 'PASS' else 'Fail'end) WIP_STATE from
[Udit.SFC].dbo.qs_serial_numbers(nolock) s
left join [testdata].[dbo].testdataMainnew_asyn(nolock) t on s.SERIAL_NUMBER_ID=t.SERIAL_NUMBER_ID
left join [testdata].[dbo].[testdataFrom](nolock) m on t.NeweID=m.NeweID
left join [Udit.SFC].dbo.[QS_WIP](nolock) q on q.WIP_ID=t.WIP_ID
left join [Udit.SFC].dbo.QS_ROUTE_STEPS(nolock) r on q.ROUTE_STEP_id=r.ROUTE_STEP_ID
where r.name='成品组装-性能测试'
and q.MODEL_NO in('F-0L-80-0020-000-K0',
 'F-0L-80-0029-000-K0',
 'F-0L-80-0031-000-K0' ,
 'F-0L-80-0024-000-K0'
)
--and q.lot_name='1312-Z240101212'
and m.NeweID is null
1.查询结果保留 wip_id 删除[testdataMainnew_asyn] 对应的wip_id 数据
2.芒果Db删除

```

#### 批量修改

```
db.testdata.updateMany({wipID:{$in:[
 '21406ce2-8b9b-4898-a1c6-122f24d98f2e',
 'bde0df66-c1fd-4b3b-a99f-f8f1d7954dc2',
 '3bd236ed-15cc-48fa-83e4-5790626ef0ff',
 '398c239f-5ee8-433c-9f98-830c8c40d995'
]}},{
 "$set":{
 "state":0
 }
},{ "multi":true})
```

```
select * from Tooling_ResourceControl where code in('GD-300','GD-350','GD-250')
select * from mms_Expansion where pid='77215bd6-2977-4abf-92f8-5e6ec4d43280' and ftype='周期初始化次数'
```

#### 附件

- [reqable-app-windows-x86\\_64.zip](#)
- [ILSpy\\_反编译工具.zip](#)

# 前端

// 计算百分比

```
var pre=(a,b)=>{return (a/b*100).toFixed(2)+'%' }
```

```
var isFloat = false;
```

```
var arr=['CM2','G','KG','L','M','M2','ML','MM'];
```

```
isFloat = arr.includes(返回的物料单位);
```

```
let caltime =(oneKilometerTimeInSeconds)=>{ return `如果一公里用时为 ${oneKilometerTimeInSeconds} 秒 ,马拉松成绩为${Math.floor((oneKilometerTimeInSeconds * 42.195) / 3600)}小时${Math.floor(((oneKilometerTimeInSeconds * 42.195) % 3600) / 60)}分钟${Math.floor(((oneKilometerTimeInSeconds * 42.195) % 3600) % 60)}秒` ;
}
```

```
var state = true;
var count=0;
var count2=0;
for(var k =0; k < selelist.length; k++){
 var contA=selelist[k].MaterialCode.indexOf("A");
 console.log(contA);
 if(contA!=-1){
 count=count+1;
 }
 var countB=selelist[k].MaterialCode.indexOf("B");
 if(countB!=-1){count2=count2+1;}
}
if(count!=selelist.length&count2!=selelist.length){state = false;}
```

-- 截取@u后面的字符 特殊格式二维码 ,@u后面是uid

```
let pn=(a)=>{ if(a.indexOf("@U")!=-1){ return a.slice(a.indexOf("@U")+2)} else{return a}}
```

```
let pnuid=(a)=>{if(a.split('@').length==7){return a.slice(0,(a.indexOf('@'))); }else{return a;}} }
```

```
var relationObj={
 "ALL" : "全部" ,
 "delivery" : "送货单" ,
 "receive" : "收料单" ,
 "material_instock" : "入库单" ,
 "warehouse_return" : "仓退单" ,
 "pick" : "发料单" ,
 "production_return_intosetof" : "生产退料单" ,
 "transfer" : "调拨单" ,
 "material_pandian" : "盘点单" ,
 "googs_instock" : "完工入库单" ,
 "shipment" : "出货单" ,
 "sale_return" : "销售退货单" ,
 "Lend_out" : "借出单" ,
 "Borrow" : "借入单" ,
 "Lend_and_return" : "借出归还单" ,
 "Borrow_and_return" : "借入归还单" ,
 "outsourced_return" : "委外退货单" ,
 "scrap_reveive_other" : "报废单" ,
 "GetMateOut" : "零星物料领用作业" ,
 "GetMateba" : "内部物料退库作业" ,
 "GetMkorba" : "托工物料重工作业" ,
 "GetBaord" : "订单退货处理作业"

}
let re_value=(name)=>{return relationObj[name];}
```

```
encodeURIComponent(newsernumber)
```

## 称重只取数字部分

```
var OnlyWeightNum=(weight)=>{ return parseFloat(weight.match(/\d+\.\d+/g)
).join("")}}
```

# 接口过站

## 1.绑定过站示例

http://124.71.33.56/wip/Complete2

```
{
 "lotName": "15111-22021208001",
 "inputSerials": [{"key": "音乐卡", "value": "07000299"}, {"key": "数据线绑定", "value": "HAWEI10011"}, {"key": "三卡绑定", "value": "07000298"}], "serialNmuber": "202212090006",
 "labelAttr": "[]", "quantity": 0, "parentSerialNumber": "", "planBillId": "", "index": 0, "isX": false, "wipID": "", "defects": []},
 "station_name": "w-三卡",
 "userID": "wsj",
 "stepName": "w-三卡",
 "stime": "",
 "etime": "",
 "SCAN_TYPE": "0"
}
```

## 2.装箱接口示例

http://124.71.33.56/BOX/executeBoxing?

```
{
 "boxNumber": "tw20230820",
 "boxType": "1级",
 "boxSize": "3",
 "userID": "wsj",
 "lotName": "15111-22021208001",
 "stationName": "w-包装",
 "stepName": "w-包装",
 "serialNumber": "202212090006"
}
```

## 3.装箱过站接口示例

```
http://124.71.33.56/wip/Complete2
```

```
{
 "lotName": "15111-22021208001",
 "inputSerials": [{"boxNumber": "tw20230819", "boxWeight": 130, "weight": 0,
"assemblys": [], "serialNmuber": "202212090006", "labelAttr": "[]", "quantity":
0, "parentSerialNumber": "", "planBillId": "", "index": 0, "isX": false, "wipID":
"", "defects": []}],
 "station_name": "w-包装",
 "userID": "wsj",
 "stepName": "w-包装",
 "stime": "",
 "etime": "",
 "SCAN_TYPE": "0"
}
```

## 4.测试数据请求

```
http://124.71.33.56/wip/Complete2
```

```
{ "SCAN_TYPE": 99,
"inputSerials": [{"SerialNmuber": "WT0009", "defects": [], "index": 4, "isX": false,
"testdatas": [{"key": "Pad_4_0", "value": "Height175.76,Area123.38%,Volume
144.57%,ShiftX80.60,ShiftY182.03"}, {"key": "Pad_5_0", "value": "Height175.0
0,Area122.74%,Volume143.20%,ShiftX-93.45,ShiftY126.74"}, {"key": "Pad_3_0",
"value": "Height183.16,Area123.70%,Volume151.05%,ShiftX65.93,ShiftY249.51"
}, {"key": "Pad_9_0", "value": "Height175.21,Area123.81%,Volume144.62%,ShiftX
-121.89,ShiftY-174.48"}, {"key": "Pad_2_0", "value": "Height160.20,Area111.4
7%,Volume119.05%,ShiftX127.69,ShiftY-14.34"}, {"key": "Pad_1_0", "value": "He
ight168.97,Area110.27%,Volume124.22%,ShiftX115.28,ShiftY-52.27"}, {"key":
"Pad_1_0~4", "value": "Height155.35,Area110.22%,Volume114.15%,ShiftX29.01,S
hiftY137.99"}, {"key": "Pad_2_0~4", "value": "Height173.06,Area106.78%,Volume
123.20%,ShiftX-118.40,ShiftY127.21"}, {"key": "Pad_1_0~5", "value": "Height16
2.09,Area108.94%,Volume117.72%,ShiftX-110.54,ShiftY125.25"}]}],
"lotName": "15111-22021208001",
"station_name": "w-测试",
"stepName": "w-测试",
"userID": "wsj"
}
```

## 5.不良数据请求

http://124.71.33.56/wip/Complete2

```
{
 "lotName": "15111-22110001",
 "inputSerials": [{
 "boxNumber": "", "boxWeight": "", "weight": 0, "assemblys": [],
 "serialNmuber": "584988498", "labelAttr": "[]", "quantity": 0, "parentSerialNumber": "",
 "planBillId": "", "index": 0, "isX": false, "wipID": "",
 "defects": [
 {
 "defectType": "SMT",
 "defectCode": "缺件",
 "defectLocation": ""
 }
]
 }],
 "station_name": "w-测试",
 "userID": "wsj",
 "stepName": "w-测试",
 "stime": "",
 "etime": "",
 "SCAN_TYPE": "0"
}
```

## 6.苏州凯尔sip8050双面板启用拼版模式绑定示例

业务场景，双面贴码（客户要求两面不同码），第一面过站到前几道工序，后面工序翻面标签到底部，扫描反面条码

"parentSerialNumber": "20230228004 为第一面条码

"value": "test20230830005" 为第二面条码

mes逻辑检查某绑定条码数量是否为1，如果多个绑定此码，则不去找主码

此处只能绑定一个子板的，否则后面工序无法过站

```
{
 "lotName": "20230829002",
 "inputSerials": [
 {
 "boxNumber": "", "boxWeight": 0, "weight": 0, "serialNmuber": "", "assemblys": [
 {
 "key": "绑定T面",
 "value": "test20230830005"
 }
]
 }
]
}
```

```

 }], "labelAttr": "[]", "quantity": 1, "parentSerialNumber": "20230228004",
 "planBillId": "", "index": 1, "isX": false, "wipID": "", "defects": [], { "boxNumber": "", "boxWeight": 0, "weight": 0, "serialNmuber": "", "assemblys": [], "labelAttr": "[]", "quantity": 1, "parentSerialNumber": "20230228004",
 "planBillId": "", "index": 2, "isX": false, "wipID": "", "defects": [], { "boxNumber": "", "boxWeight": 0, "weight": 0, "serialNmuber": "", "assemblys": [], "labelAttr": "[]", "quantity": 1, "parentSerialNumber": "20230228004",
 "planBillId": "", "index": 3, "isX": false, "wipID": "", "defects": [], { "boxNumber": "", "boxWeight": 0, "weight": 0, "serialNmuber": "", "assemblys": [], "labelAttr": "[]", "quantity": 1, "parentSerialNumber": "20230228004",
 "planBillId": "", "index": 4, "isX": false, "wipID": "", "defects": []}],
 "stime": "",
 "etime": "",
 "station_name": "SMT-2line-1轨-投板",
 "stepName": "投板",
 "userID": "A0239",
 "SCAN_TYPE": 99
 }

```

## 7.不良录入需要传入具体的子板条码，可根据下述接口得到

[http://192.168.135.211:8050/Content/datasearch/query\\_KERR.aspx?Oper=list&text=test20240705001&page=1&rows=60](http://192.168.135.211:8050/Content/datasearch/query_KERR.aspx?Oper=list&text=test20240705001&page=1&rows=60)

参数text 为母版码

返回数据如下：serial\_number 为子板条码

```

{ "total": 0, "rows": [{ "serial_number": "20240705001", "serial_number_id": "e59d9c6b-dc75-4ec6-a8bc-bcf7cbec0399", "pb": "母板", "PANEL_INDEX": 0 },
{ "serial_number": "1c248aec-5a77-4709-9691-6b866f329ce3", "serial_number_id": "3b6ba5e5-b9ad-4bd7-b76d-f5219839c5f7", "pb": "子板", "PANEL_INDEX": 1 },
{ "serial_number": "a5948367-8c6d-4a38-a044-ceec63c1ce91", "serial_number_id": "911c4b21-27ef-49c4-ba32-c435324531d2", "pb": "子板", "PANEL_INDEX": 2 },
{ "serial_number": "a63e0f4f-1768-43be-b8cb-e3e305981ad7", "serial_number_id": "dcc401e6-4060-4ed9-8024-d85a5d3a2fe3", "pb": "子板", "PANEL_INDEX": 3 },
{ "serial_number": "f2991f66-4fa7-4fe3-9fa9-3e4d9244aa7b", "serial_number_id": "25def6e4-17d7-42ce-9290-a7e76e9f3eab", "pb": "子板", "PANEL_INDEX": 4 }] }

```

## 8.不良录入 实例

拼版记录不良需要传serialNmuber才会有不良记录



接口地址 <http://192.168.135.211:8050/wip/Complete2> 提交示范：

```
{
 "lotName": "20230829002",
 "inputSerials":
 [
 {
 "boxNumber": "", "boxWeight": 0, "weight": 0, "serialNmuber": "1c248aec-5a77-4709-9691-6b866f329ce3", "assemblys": [], "labelAttr": "[]", "quantity": 1, "parentSerialNumber": "20240705001",
 "planBillId": "", "index": 1, "isX": false, "wipID": "", "defects": [
 {
 "defectCode": "ERC26_AOI",
 "defectLocation": "X01",
 "defectPartNumber": "5811-202000001",
 "defectType": "少锡"
 }
]
 },
 {
 "boxNumber": "", "boxWeight": 0, "weight": 0, "serialNmuber": "", "assemblys": [], "labelAttr": "[]", "quantity": 1, "parentSerialNumber": "20240705001",
 "planBillId": "", "index": 2, "isX": false, "wipID": "", "defects": []
 },
 {
 "boxNumber": "", "boxWeight": 0, "weight": 0, "serialNmuber": "", "assemblys": [], "labelAttr": "[]", "quantity": 1, "parentSerialNumber": "20240705001",
 "planBillId": "", "index": 3, "isX": false, "wipID": "", "defects": []
 },
 {
 "boxNumber": "", "boxWeight": 0, "weight": 0, "serialNmuber": "", "assemblys": [], "labelAttr": "[]", "quantity": 1, "parentSerialNumber": "20240705001",
 "planBillId": "", "index": 4, "isX": false, "wipID": "", "defects": []
 }
],
 "stime": "",
 "etime": "",
 "station_name": "SMT-2line-2轨-SPI",
 "stepName": "BOT-SPI",
 "userID": "A0239",
 "SCAN_TYPE": 99
}
```

# 测试跳转



## Array

arrayMax  
arrayMin  
chunk  
compact  
countOccurrences  
deepFlatten  
difference  
distinctValuesOfArray  
dropElements  
everyNth  
filterNonUnique  
flatten  
flattenDepth  
groupBy  
head  
initial  
initializeArrayWithRange  
initializeArrayWithValues  
intersection  
last  
mapObject  
nthElement  
pick  
pull  
remove  
sample  
shuffle  
similarity  
symmetricDifference  
tail  
take  
takeRight  
union  
without  
zip

测试跳转

## Browser

# 自定义报表操作

## JSON下拉框

json\${["id":"1","text":"11"}, {"id":"2","text":"22"}]

| COMBO绑定\$ |         |          |      |      |     |                                                        |
|-----------|---------|----------|------|------|-----|--------------------------------------------------------|
| @参数名称     | 参数类型    | 控件类型     | 显示名称 | *号必填 | 默认值 |                                                        |
| @lot_name | varchar | textbox  | 工单编码 |      |     |                                                        |
| 333       | 444     | combobox | eee  |      |     | json\${["id":"1","text":"11"}, {"id":"2","text":"22"}] |

## SQL下拉框

sql\$select '% id,'全部' text union all select ParametricCode id,Name text from [SolderPasteControl] a join ParametricCodeInfo b on a.CurrentWorkStation=b.ParametricCode GROUP BY ParametricCode,Name  
这里sql语句一定要定义ID和text，示例：【sql\$select NAME id, NAME text from 表名】

| COMBO绑定\$                                                                                                                                                                 |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| sql\$select '% id,'全部' text union all select ParametricCode id,Name text from [SolderPasteControl] a join ParametricCodeInfo b on a.CurrentWorkStation=b.ParametricCode G |  |  |  |  |  |  |
|                                                                                                                                                                           |  |  |  |  |  |  |
|                                                                                                                                                                           |  |  |  |  |  |  |

## 通过子报表功能绑定下级报表

两个参数控制 1.子报表id 2.参数赋值传值给子报表

| 参数设置 子报表设置 系统参数    |      |                                     |      |       |                                      |                     |
|--------------------|------|-------------------------------------|------|-------|--------------------------------------|---------------------|
| 添加 删除              |      |                                     |      |       |                                      |                     |
| 列名                 | 创建类型 | 显示                                  | 默认宽度 | 列内容位置 | 子报表ID                                | 绑定参数                |
| 1 ID               | 存在列  | <input type="checkbox"/>            | 0    |       |                                      |                     |
| 2 projectcode      | 存在列  | <input checked="" type="checkbox"/> | 50   |       | f847ae61-5ce6-ee19-1746-8cc22440f401 | @aaaa=Name  @bbb=@1 |
| 3 Name             | 存在列  | <input checked="" type="checkbox"/> | 0    |       |                                      |                     |
| 4 SQLvalue         | 存在列  | <input checked="" type="checkbox"/> | 600  |       |                                      |                     |
| 5 CreateTime       | 存在列  | <input checked="" type="checkbox"/> | 200  |       |                                      |                     |
| 6 CreateUser       | 存在列  | <input checked="" type="checkbox"/> | 0    |       |                                      |                     |
| 7 Enable           | 存在列  | <input checked="" type="checkbox"/> | 0    |       |                                      |                     |
| 8 connectionString | 存在列  | <input checked="" type="checkbox"/> | 0    |       |                                      |                     |





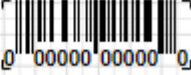




# 昂湃液冷







水排码标签













数据源





```
exec [Udit.Mms].[dbo].[AP_CREATE_CUSTOMER_SN] '{serial}','{stationid}','{userCode}','{stepid}'
```





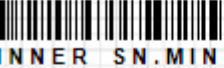
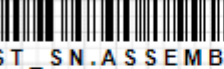


|                                                                                                                                                                                                                                                                                                                                                                         |                                                                                   |                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| [AUSU SO:152124051006423/1.2]                                                                                                                                                                                                                                                                                                                                           |                                                                                   |                                                                                   |
|                                                                                                                                                                                                                                                                                        |                                                                                   |                                                                                   |
| [PALLET ID:{box}]                                                                                                                                                                                                                                                                                                                                                       |                                                                                   |                                                                                   |
|                                                                                                                                                                                                                                                                                        |                                                                                   |                                                                                   |
| [Model: PRIME LC 360 ARGB]                                                                                                                                                                                                                                                                                                                                              |                                                                                   |                                                                                   |
| [P/N: {customer msg.Item Name}]                                                                                                                                                                                                                                                                                                                                         |                                                                                   |                                                                                   |
|                                                                                                                                                                                                                                                                                        |                                                                                   |                                                                                   |
| [QTY: ]                                                                                                                                                                                                                                                                                                                                                                 |  | [PCS] [UPC: ]                                                                     |
| [G.W: ]                                                                                                                                                                                                                                                                                                                                                                 | [304.2KGS]                                                                        |  |
| <div>   </div> <div>   </div> |                                                                                   |                                                                                   |

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| [152124051006423/1.2]                                                               |                                                                                     |
|  |                                                                                     |
| [SO #152124051006423/1.2]                                                           |                                                                                     |
|  |                                                                                     |
| [Model #PRIME LC 360 ARGB]                                                          |                                                                                     |
|  |                                                                                     |
| [C.P.O #W23]                                                                        |                                                                                     |
|  |                                                                                     |
| [EAN: ]                                                                             | [UPC: ]                                                                             |
|  |  |

|                                                                                   |  |                                                                                   |  |                                                                                   |  |
|-----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|
|  |  |  |  | {on ind}                                                                          |  |
| {P/N:{customer_msg.Item_N}}                                                       |  |                                                                                   |  |  |  |
|  |  |                                                                                   |  |                                                                                   |  |
| {PRIME LC 360 ARGB//AIO COOLER,3IN1 FAN}                                          |  |                                                                                   |  |                                                                                   |  |
|  |  |  |  |                                                                                   |  |
| {1 ASSFMRI}                                                                       |  | {2 ASSFMRI}                                                                       |  |                                                                                   |  |
|  |  |  |  |                                                                                   |  |
| {3 ASSFMRI}                                                                       |  | {4 ASSFMRI}                                                                       |  |                                                                                   |  |
| {arton.box_tot}                                                                   |  | {NW: 9.28KGS}                                                                     |  | {GW: 10.4KGS}                                                                     |  |
| {EMS PO#WWJG-24-04-17-0917}                                                       |  |                                                                                   |  |  |  |
| {WWJG-24-04-17-0917-0127}                                                         |  |                                                                                   |  | {MFO/制造日期/{Year(Today())}}                                                        |  |
|  |  |                                                                                   |  | {Made in China}                                                                   |  |

|                                                                                     |  |                                                                                     |  |
|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|
| {odel:{customer_msg.Marketing Nam}}                                                 |  |                                                                                     |  |
| {P/N:{customer_msg.Item_Name}}                                                      |  | {ENA}                                                                               |  |
|  |  |  |  |
| {C 360 ARGB//AIO COOLER,3IN1 FAN,RE}                                                |  | {0000000000000000}                                                                  |  |
| {Serial Number: {数据源.ASSEMBLY_SN}}                                                  |  | {ENA}                                                                               |  |
|  |  |  |  |
| {Check Number}                                                                      |  |  |  |
| {数据源.CHK}                                                                           |  |                                                                                     |  |
| {Made in China}                                                                     |  |                                                                                     |  |

|                              |                                                                                   |                                                                                   |                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| [customer_msg.Marketing_Nam] |                                                                                   |  |                                                                                   |
| [S/N: {数据源.ASSEMBLY_SN}]     |                                                                                   |                                                                                   |                                                                                   |
| [数据源.SupMaterialCd]          |                                                                                   | [数据源.M]                                                                           |                                                                                   |
| [model no. APL362512V]       |                                                                                   |                                                                                   |                                                                                   |
| [EAN:]                       |  | [JAN:]                                                                            |  |
|                              | [0 000000 000000]                                                                 |                                                                                   | [0 000000 000000]                                                                 |
| [UPC:]                       |  | [UK<br>CA]                                                                        |                                                                                   |
|                              | [0 000000 000000]                                                                 |                                                                                   |                                                                                   |

|                                                                                     |                                                                                     |                                                                                   |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| [customer_msg.Marketing_Nam]                                                        |                                                                                     |                                                                                   |                                                                                     |
| [sg.St]                                                                             |                                                                                     |                                                                                   |                                                                                     |
| [r_msg.Shippi]                                                                      |                                                                                     |                                                                                   |                                                                                     |
| [EAN:]                                                                              |    |  |                                                                                     |
|                                                                                     | [0 000000 000000]                                                                   |                                                                                   | [BoxID: {数据源.BOX_NUMBE}]                                                            |
| [UPC:]                                                                              |    |                                                                                   |                                                                                     |
|                                                                                     | [0 000000 000000]                                                                   |                                                                                   |                                                                                     |
| [UCC:]                                                                              |   |                                                                                   |                                                                                     |
|                                                                                     | [0 000000 000000]                                                                   |                                                                                   |                                                                                     |
| [SN:]                                                                               |  |                                                                                   |                                                                                     |
|                                                                                     | [{INNER SN.MIN SN}]                                                                 |                                                                                   |                                                                                     |
|                                                                                     |  |                                                                                   |                                                                                     |
|                                                                                     | [AST_SN.ASSEMBLY_S]                                                                 |                                                                                   |                                                                                     |
|                                                                                     |                                                                                     |                                                                                   |  |
|  | [PO NO.{customer_m}]                                                                |                                                                                   |                                                                                     |
|                                                                                     | [WARNING: Cancer and Reproductive Harm<br>- www.P65Warnings.ca.gov]                 |                                                                                   |                                                                                     |
| [msi]                                                                               | [{customer_msg.lter}]                                                               |                                                                                   |                                                                                     |
| [model no. APL362512V]                                                              |                                                                                     | [MADE IN CHINA]                                                                   |                                                                                     |





## 硬件设置

东大集成 管理员密码 4007770876

## 金珂华电子秤设置

### 金珂华 M 款天平隐藏参数设定操作说明

#### 用户参数设定:

开机状态长按【置零】键液晶显示“USER-S”进入用户参数设定。

短按【单位】键切换 P1-P5 参数,短按【置零】键进入设置对应参数,液晶显示“SAVE”

时短按【去皮】键确定用户参数保存退出。

P1-X:称重速度设定 X:1-3 1=快, 2=中, 3=慢 默认 2

P2-X:RS232 打印方式 X: 1-4 1: 连续发送 2: 按键发送 3:重量稳定发送一次(归零后才可以再次发送) 4: 重量稳定发送(稳定一次发送一次) 默认 2

P3-X:RS232 通讯格式设定 X:1-9 9 种通讯格式 默认通讯方式 2

P4-X: 背光设定 X:1-3 1: 背光长灭 2: 重量稳定 8 秒熄灭背光 3: 背光常亮 默认 2 重量稳定后 8 秒熄灭背光

#### 九种格式分别为:

1、=00000.0

等号分隔符正序

2、0.0

纯数字加回车

3、ST,GS,+ 0.0 g

4、+ 0.0 g

兼容 xiangping

5、0.00000=

等号分隔符反序

6、ST GS 000000.0 g

7、0.0

纯数字无回车

8、0039 000 000

连接银豹专用格式

9、000000

备用格式

# SQL

查询返回当前配置的内存值和当前使用的值的相关信息

```
SELECT [name], [value], [value_in_use]

FROM sys.configurations

WHERE [name] = 'max server memory (MB)' OR [name] = 'min server memory (MB)';
```

修改内存的大小

```
sp_configure 'show advanced options', 1;

RECONFIGURE;

sp_configure 'max server memory (MB)', 4096; -- 设置最大内存限制为4GB

RECONFIGURE;
```

启用对表的压缩

```
EXEC sp_estimate_data_compression_savings 'Production', 'TransactionHistory', NULL, NULL, 'ROW';

ALTER TABLE Production.TransactionHistory REBUILD PARTITION = ALL

WITH (DATA_COMPRESSION = ROW);

GO
```

启用索引压缩

```
SELECT name, index_id

FROM sys.indexes

WHERE OBJECT_NAME (object_id) = N'TransactionHistory';

EXEC sp_estimate_data_compression_savings
```

```

@schema_name = 'Production',

@object_name = 'TransactionHistory',

@index_id = 2,

@partition_number = NULL,

@data_compression = 'PAGE';

ALTER INDEX IX_TransactionHistory_ProductID ON Production.TransactionHistory
REBUILD PARTITION = ALL WITH (DATA_COMPRESSION = PAGE);

GO

```

#### 读取错误日志

```
EXEC sp_readerrorlog 0, 1, 'database', 'start'
```

#### 限制错误日志大小

```

USE [master];

GO

EXEC xp_instance_regwrite N'HKEY_LOCAL_MACHINE',
 N'Software\Microsoft\MSSQLServer\MSSQLServer',
 N'ErrorLogSizeInKb', REG_DWORD, 5120;

GO

```

#### CHECKPOINT检查点

```
CHECKPOINT [checkpoint_duration]
```

#### 查询是否有死锁

```

WITH CTE_SID (BSID, SID, sql_handle)

AS (SELECT blocking_session_id ,

 session_id ,

```

```

 sql_handle

 FROM sys.dm_exec_requests

 WHERE blocking_session_id <> 0

 UNION ALL

 SELECT A.blocking_session_id ,

 A.session_id ,

 A.sql_handle

 FROM sys.dm_exec_requests A

 JOIN CTE_SID B ON A.SESSION_ID = B.BSID

)

SELECT C.BSID , C.SID , S.login_name , S.host_name , S.status ,S.cpu_time ,

 S.memory_usage ,S.last_request_start_time , S.last_request_end_time ,S.logical_reads ,

 S.row_count ,

 q.text

FROM CTE_SID C

 JOIN sys.dm_exec_sessions S ON C.sid = s.session_id

 CROSS APPLY sys.dm_exec_sql_text(C.sql_handle) Q

ORDER BY sid

```

查看阻塞超时设置

```
SELECT @@LOCK_TIMEOUT
```

查看数据库的负载

```

SELECT substring (a.name,0,20) as [数据库名],

[连接数] = (SELECT COUNT(*) FROM master..sysprocesses b WHERE a.dbid = b.d

```

```

bid), [阻塞进程] = (SELECT COUNT(*)

FROM master..sysprocesses b

WHERE a.dbid = b.dbid AND blocked <> 0),

[总内存] = ISNULL((SELECT SUM(memusage) FROM master..sysprocesses b WHERE
a.dbid = b.dbid),0),

[总IO] = ISNULL((SELECT SUM(physical_io) FROM master..sysprocesses b WHERE
a.dbid = b.dbid),0),

[总CPU] = ISNULL((SELECT SUM(cpu) FROM master..sysprocesses b

WHERE a.dbid = b.dbid),0), [总等待时间] = ISNULL((SELECT SUM(waittime)

FROM master..sysprocesses b

WHERE a.dbid = b.dbid),0) FROM master.dbo.sysdatabases a WITH (nolock)

WHERE DatabasePropertyEx(a.name, 'Status') = 'ONLINE'

ORDER BY [数据库名]

```

## 整理索引碎片

第一步：查询表的索引碎片情况

```
DBCC SHOWCONTIG WITH ALL_INDEXES ;
```

第二步：删除并重建索引

第三步：使用DROP\_EXISTING子句重建索引

第四步：执行DBCC DBREINDEX

第五步：执行DBCC INDEXDEFRAG

```
Select 'DBCC INDEXDEFRAG (' +DB_Name()+',' +Object_Name(ID)+' ','+Cast(INDID
As Varchar)+'')+Char(10)
```

```
From SysIndexes
```

```
Where ID Not IN (Select ID From SYSObjects Where xType='S')
```

## 查询索引

```

SELECT CASE WHEN t.[type] = 'U' THEN '表'

 WHEN t.[type] = 'V' THEN '视图' END AS '类型',

 SCHEMA_NAME(t.schema_id) + '.' + t.[name] AS '(表/视图)名称',

 i.[name] AS 索引名称,

 SUBSTRING(column_names, 1, LEN(column_names) - 1) AS '列名',

 CASE WHEN i.[type] = 1 THEN '聚集索引'

 WHEN i.[type] = 2 THEN '非聚集索引'

 WHEN i.[type] = 3 THEN 'XML索引'

 WHEN i.[type] = 4 THEN '空间索引'

 WHEN i.[type] = 5 THEN '聚簇列存储索引'

 WHEN i.[type] = 6 THEN '非聚集列存储索引'

 WHEN i.[type] = 7 THEN '非聚集哈希索引'

 END AS '索引类型',

 CASE WHEN i.is_unique = 1 THEN '唯一' ELSE '不唯一' END AS '索引是否
 唯一'

FROM sys.objects t

 INNER JOIN sys.indexes i

 ON t.object_id = i.object_id

 CROSS APPLY

 (

 SELECT col.[name] + ', '

 FROM sys.index_columns ic

 INNER JOIN sys.columns col

```

```

 ON ic.object_id = col.object_id

 AND ic.column_id = col.column_id

 WHERE ic.object_id = t.object_id

 AND ic.index_id = i.index_id

 ORDER BY col.column_id

 FOR XML PATH('')

) D(column_names)

WHERE t.is_ms_shipped <> 1

 AND index_id > 0

ORDER BY i.[name];

```

### 整理索引

```

select 'drop index ' + index_name + ' on ' + tab_name + ';' ,a.tab_name,
a.index_Type,a.index_colum FROM (

SELECT CASE WHEN t.[type] = 'U' THEN '表'

 WHEN t.[type] = 'V' THEN '视图' END AS '类型',

 SCHEMA_NAME(t.schema_id) + '.' + t.[name] AS 'tab_name',

 i.[name] AS index_name,

 SUBSTRING(column_names, 1, LEN(column_names) - 1) AS 'index_colum'
,

 CASE WHEN i.[type] = 1 THEN '聚集索引'

 WHEN i.[type] = 2 THEN '非聚集索引'

 WHEN i.[type] = 3 THEN 'XML索引'

 WHEN i.[type] = 4 THEN '空间索引'

```



```

 WHEN i.[type] = 5 THEN '聚簇列存储索引'

 WHEN i.[type] = 6 THEN '非聚集列存储索引'

 WHEN i.[type] = 7 THEN '非聚集哈希索引'

 END AS index_Type,

 CASE WHEN i.is_unique = 1 THEN '唯一' ELSE '不唯一' END AS 'index_only'

FROM sys.objects t

 INNER JOIN sys.indexes i

 ON t.object_id = i.object_id

 CROSS APPLY

(

 SELECT col.[name] + ', '

 FROM sys.index_columns ic

 INNER JOIN sys.columns col

 ON ic.object_id = col.object_id

 AND ic.column_id = col.column_id

 WHERE ic.object_id = t.object_id

 AND ic.index_id = i.index_id

 ORDER BY col.column_id

 FOR XML PATH('')

) D(column_names)

WHERE t.is_ms_shipped <> 1

 AND index_id > 0

) a

```

```

where a.index_Type = '非聚集索引' and a.index_only = '不唯一';

select 'create index ' + 'idx_' + tab_name + '_' + a.index_colum + ' on '
+ tab_name + '(' + a.index_colum + ');',

 a.tab_name, a.index_Type, a.index_colum FROM (

SELECT CASE WHEN t.[type] = 'U' THEN '表'

 WHEN t.[type] = 'V' THEN '视图' END AS '类型',

 SCHEMA_NAME(t.schema_id) + '.' + t.[name] AS 'tab_name',

 i.[name] AS index_name,

 SUBSTRING(column_names, 1, LEN(column_names) - 1) AS 'index_colum'
,

 CASE WHEN i.[type] = 1 THEN '聚集索引'

 WHEN i.[type] = 2 THEN '非聚集索引'

 WHEN i.[type] = 3 THEN 'XML索引'

 WHEN i.[type] = 4 THEN '空间索引'

 WHEN i.[type] = 5 THEN '聚簇列存储索引'

 WHEN i.[type] = 6 THEN '非聚集列存储索引'

 WHEN i.[type] = 7 THEN '非聚集哈希索引'

 END AS index_Type,

 CASE WHEN i.is_unique = 1 THEN '唯一' ELSE '不唯一' END AS 'index_only'

FROM sys.objects t

 INNER JOIN sys.indexes i

 ON t.object_id = i.object_id

 CROSS APPLY

```

```

(
 SELECT col.[name] + ', '
 FROM sys.index_columns ic
 INNER JOIN sys.columns col
 ON ic.object_id = col.object_id
 AND ic.column_id = col.column_id
 WHERE ic.object_id = t.object_id
 AND ic.index_id = i.index_id
 ORDER BY col.column_id
 FOR XML PATH('')
) D(column_names)

WHERE t.is_ms_shipped <> 1

 AND index_id > 0

) a

where a.index_TYpe = '非聚集索引' and index_only = '不唯一'

```

查看哪些表占用了比较大的磁盘空间

```

select o.name, SUM(p.reserved_page_count) as reserved_page_count,
 SUM(p.used_page_count) as used_page_count,
 SUM(case when(p.index_id<2) then (p.in_row_data_page_count
+ p.lob_used_page_count+p.row_overflow_used_page_count) else p.lob_used_p
age_count+p.row_overflow_used_page_count end) as DataPages,
 SUM(case when (p.index_id<2) then row_count else 0 end) a
s rowCounts

from sys.dm_db_partition_stats p

```

```
inner join sys.objects o on p.object_id=o.object_id group by o.name order
by rowCounts desc
```

查看表的占用情况

```
SELECT
name '表名',
convert (char(11), row_Count) as '数据条数',
(reservedpages * 8) '已用空间(KB)',
(pages * 8) '数据占用空间(KB)',
(CASE WHEN usedpages > pages THEN (usedpages - pages) ELSE 0 END) * 8 '索引占用空间(KB)',
(CASE WHEN reservedpages > usedpages THEN (reservedpages - usedpages) ELSE 0 END) * 8 '未用空间(KB)',
LTRIM (STR (reservedpages * 8/1024/1024, 15, 0) + ' GB') as '已用空间(GB)'
from(
SELECT name,
SUM (reserved_page_count) as reservedpages ,
SUM (used_page_count) as usedpages ,
SUM (
CASE
WHEN (index_id < 2) THEN (in_row_data_page_count + lob_used_page_count + row_overflow_used_page_count)
ELSE lob_used_page_count + row_overflow_used_page_count
END
) as pages,
```

```

SUM (

CASE

 WHEN (index_id < 2) THEN row_count

 ELSE 0

END

) as row_Count

FROM sys.dm_db_partition_stats

inner join sys.objects on sys.dm_db_partition_stats.object_id=sys.objects.object_id

where type='U'

group by sys.objects.name

union

SELECT sys.objects.name,

sum(reserved_page_count) as reservedpages,

sum(used_page_count) as usedpages,

0 as pages,

0 as row_count

from sys.objects inner join sys.internal_tables on

 sys.objects.object_id = sys.internal_tables.parent_id

inner join sys.dm_db_partition_stats on sys.dm_db_partition_stats.object_id=sys.internal_tables.object_id

where sys.internal_tables.internal_type IN (202,204,211,212,213,214,215,216)

group by sys.objects.name) t

order by '已用空间(KB)' desc

```

## 查看物理读高的100条SQL

```
SELECT TOP 100

a.session_id,a.client_net_address,

qs.total_physical_reads,qs.execution_count,

qs.total_physical_reads /qs.execution_count as avg_io,

qt.text, db_name(qt.dbid) as dbname, qt.objectid

FROM sys.dm_exec_query_stats qs

CROSS apply sys.dm_exec_sql_text(qs.sql_handle) as qt

Left join (select a.session_id, a.sql_handle sql_handle,b.client_net_address client_net_address

 From sys. dm_exec_requests a, sys.dm_exec_connections b

 where a.session_id = b.session_id

) a on qs.sql_handle = a. sql_handle

ORDER BY qs.total_physical_reads desc
```

## 查看逻辑读高的100条SQL

```
SELECT TOP 100

a.session_id,a.client_net_address,

qs.total_logical_reads,qs.execution_count,

qs.total_logical_reads /qs.execution_count as avg_io,

qt.text, db_name(qt.dbid) as dbname

FROM sys.dm_exec_query_stats qs

cross apply sys.dm_exec_sql_text(qs.sql_handle) as qt

Left join (select a.session_id, a.sql_handle sql_handle,b.client_net_add
```

```

 res client_net_address

 From sys.dm_exec_requests a, sys.dm_exec_connections b

 where a.session_id = b.session_id

) a on qs.sql_handle = a.sql_handle

 ORDER BY qs.total_logical_reads desc

```

查看CPU高的100条SQL

```

SELECT TOP 20

 total_worker_time/1000 AS [总消耗CPU 时间(ms)], execution_count [运行次数],

 qs.total_worker_time/qs.execution_count/1000 AS [平均消耗CPU 时间(ms)],

 last_execution_time AS [最后一次执行时间], max_worker_time /1000 AS [最大执行时间(ms)],

 SUBSTRING(qt.text,qs.statement_start_offset/2+1,

 (CASE WHEN qs.statement_end_offset = -1

 THEN DATALENGTH(qt.text)

 ELSE qs.statement_end_offset END -qs.statement_start_offset)/2 + 1)

 AS [使用CPU的语法], qt.text [完整语法],

 qt.dbid, dbname=db_name(qt.dbid),

 qt.objectid, object_name(qt.objectid,qt.dbid) ObjectName

FROM sys.dm_exec_query_stats qs WITH(nolock)

CROSS apply sys.dm_exec_sql_text(qs.sql_handle) AS qt

WHERE execution_count>1

ORDER BY total_worker_time DESC

```

## 查看内存消耗高的SQL

```

SELECT a.session_id,a.client_net_address,SS.SUM_EXECUTION_COUNT,
T.TEXT,
SS.SUM_TOTAL_ELAPSED_TIME,
SS.SUM_TOTAL_WORKER_TIME,
SS.SUM_TOTAL_LOGICAL_READS,
SS.SUM_TOTAL_LOGICAL_WRITES
FROM (SELECT S.PLAN_HANDLE,
SUM(S.EXECUTION_COUNT)SUM_EXECUTION_COUNT,
SUM(S.TOTAL_ELAPSED_TIME)SUM_TOTAL_ELAPSED_TIME,
SUM(S.TOTAL_WORKER_TIME)SUM_TOTAL_WORKER_TIME,
SUM(S.TOTAL_LOGICAL_READS)SUM_TOTAL_LOGICAL_READS,
SUM(S.TOTAL_LOGICAL_WRITES)SUM_TOTAL_LOGICAL_WRITES
FROM SYS.DM_EXEC_QUERY_STATS S
GROUP BY S.PLAN_HANDLE
) AS SS
CROSS APPLY SYS.dm_exec_sql_text(SS.PLAN_HANDLE)T
Left join (select a.session_id, a.plan_handle plan_handle,b.client_net_a
ddress client_net_address
From sys. dm_exec_requests a, sys.dm_exec_connections b
where a.session_id = b.session_id
) a on ss.plan_handle = a. plan_handle
ORDER BY SUM_TOTAL_LOGICAL_READS DESC

```



## 查找执行慢的SQL

```

SELECT a.session_id,a.client_net_address,

(total_elapsed_time / execution_count)/1000 N'平均时间ms'

,total_elapsed_time/1000 N'总花费时间ms'

,total_worker_time/1000 N'所用的CPU总时间ms'

,total_physical_reads N'物理读取总次数'

,total_logical_reads/execution_count N'每次逻辑读次数'

,total_logical_reads N'逻辑读取总次数'

,total_logical_writes N'逻辑写入总次数'

,execution_count N'执行次数'

,SUBSTRING(st.text, (qs.statement_start_offset/2) + 1, ((CASE statement_end_offset WHEN -1 THEN DATALENGTH(st.text) ELSE qs.statement_end_offset END - qs.statement_start_offset)/2) + 1) N'执行语句'

,st.text

,creation_time N'语句编译时间'

,last_execution_time N'上次执行时间'

FROM sys.dm_exec_query_stats AS qs

CROSS APPLY sys.dm_exec_sql_text(qs.sql_handle) st

Left join (select a.session_id, a.sql_handle sql_handle,b.client_net_address client_net_address

 From sys.dm_exec_requests a, sys.dm_exec_connections b

 where a.session_id = b.session_id

) a on qs.sql_handle = a.sql_handle

ORDER BY total_elapsed_time / execution_count DESC

```

## 查看正在执行的SQL语句

```

SELECT spid,

 blocked,

 DB_NAME(sp.dbid) AS DBName,

 program_name,

 waitresource,

 lastwaittype,

 sp.loginame,

 sp.hostname,

 a.[Text] AS [TextData],

 SUBSTRING(A.text, sp.stmt_start / 2,

 (CASE WHEN sp.stmt_end = -1 THEN DATALENGTH(A.text) ELSE sp.stmt_end

 END - sp.stmt_start) / 2) AS [current_cmd]

FROM sys.sysprocesses AS sp OUTER APPLY sys.dm_exec_sql_text (sp.sql_handle) AS A

WHERE spid > 50

```

## 日志收缩注意事项

```
select * from sys.databases
```

当 log\_reuse\_wait\_desc 为**nothing**装态，直接收缩无限制。为log\_backup时，再作一次备份，然后进行收缩。

```
SELECT role_desc, state_desc FROM sys.database_mirroring_endpoints
```

```
SELECT mirroring_safety_level_desc, mirroring_witness_name, mirroring_witness_state_desc FROM sys.database_mirroring
```

为active\_transaction 表示有大事务，为database\_mirroring 镜像状态异常，需要resume。

检查日志空间占用及不能截断原因

```
DBCC SQLPERF(LOGSPACE)
```

```
GO
```

```
SELECT name,recovery_model_desc,log_reuse_wait,log_reuse_wait_desc
```

```
FROM sys.databases
```

```
GO
```

log\_reuse\_wait\_desc 为REPLICATION时，多为cdc相关，use Xxx；重新开启cdc再关闭

查询是否开启CDC

```
SELECT IS_CDC_ENABLED
```

```
,CASE WHEN IS_CDC_ENABLED = 0
```

```
THEN 'CDC功能禁用'
```

```
ELSE 'CDC功能启用'END 描述
```

```
FROM SYS.DATABASES
```

```
WHERE NAME = 'XXXX'
```

开启CDC和关闭CDC

对当前数据库启用CDC

```
USE xxx
```

```
GO
```

```
EXECUTE sys.sp_cdc_enable_db
```

```
GO
```

禁用CDC

```
USE xxx
```

```
GO
```

```
EXECUTE sys.sp_cdc_disable_db
```

```
GO
```

开启表的异常捕获

```
exec sys.sp_cdc_enable_table @source_schema='模式名称',
```

```
@source_name='表名称',
```

```
@role_name= 'CDC角色名称'
```

# SQL2

查看当前用户查看当前用户

```
select system_user
```

检查SQL Agent是否开启

```
IF EXISTS (

SELECT TOP 1 1

FROM sys.sysprocesses

WHERE program_name = 'SQLAgent - Generic Refresher'

)

SELECT 'Running'

ELSE

SELECT 'Not Running'
```

查看是否做了镜像

```
select

a.database_id

,a.name 数据库名称

,case when b.mirroring_guid is null then '否' else '是' end 是否镜像

,b.mirroring_partner_name 镜像服务器名称

from

[sys].[databases] a

left join [sys].[database_mirroring] b on a.database_id=b.database_id
```

分离数据库

```
USE master;
```

```
EXEC sp_detach_db @dbname = 'test';#test指需要分离的数据库
```

附加数据库

```
SELECT type_desc, name, physical_name from sys.database_files;#查看物理数据库文件的位置
```

#使用带 FOR ATTACH 子句的 CREATE DATABASE 语句附加之前分离的test数据库

```
CREATE DATABASE test
```

```
ON (FILENAME = 'C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLSERVER\MSSQL\DATA\test.mdf'),
```

```
(FILENAME = 'C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLSERVER\MSSQL\DATA\test_log.ldf')
```

```
FOR ATTACH;
```

查看主从复制关系

```
SELECT * FROM msdb.dbo.sysjobs ;
```

```
SELECT
```

```
serverproperty('servername') AS ServerName,
```

```
CASE
```

```
WHEN serverproperty('servername') = '主服务器名称' THEN '主服务器'
```

```
ELSE '从服务器'
```

```
END AS ServerRole
```

#也可以通过以下语句来查询

```
SELECT * FROM sys.objects WHERE name = 'MSreplication_options'
```

查看实例级别的信息

```
select SERVERPROPERTY ('test')
```

查看实例级别的某个参数allow updates的配置

```
select * from sys.configurations where name='allow updates'
```

查询当前数据库的所有架构范围的对象

```
select * from sys.all_objects
```

查询当前数据库的所有对象

```
select * from sys.sysobjects
```

在当前数据库下可以查询到所有数据库信息，包含是否on状态

```
select * from sys.databases
```

查询所有数据库信息

```
select * from sys.sysdatabases
```

查询当前数据库下所有正在SQL Server 实例上运行的进程的相关信息

```
select * from sys.sysprocesses
```

监控日志空间

```
DBCC SQLPERF (LOGSPACE)
```

查看数据库各种设置

```
select name,State,user_access,is_read_only,recovery_model from
sys.databases
```

查询当前数据库是否有会话

```
select DB_NAME(dbid),* from sys.sysprocesses where dbid=db_id('test')
```

查询当前阻塞的所有请求

```
SELECT session_Id,spid,ecid,DB_NAME (sp.dbid),nt_username,er.status,wait_
type,

[Individual Query] =SUBSTRING (qt.text,er.statement_start_offset / 2,

(CASE

WHEN er.statement_end_offset = -1

THEN

LEN (CONVERT (NVARCHAR (MAX), qt.text)) * 2

ELSE

er.statement_end_offset

END
```

```

- er.statement_start_offset)

/ 2),

qt.text,program_name,Hostname,nt_domain,start_time

FROM sys.dm_exec_requests er

INNER JOIN sys.sysprocesses sp ON er.session_id = sp.spid

CROSS APPLY sys.dm_exec_sql_text (er.sql_handle) AS qt

WHERE session_Id > 50 /* Ignore system spids.*/

AND sp.blocked>0 AND session_Id NOT IN (@@SPID)

```

查看活动线程执行的sql语句,并生成批量杀掉的语句

```

select 'KILL '+CAST(a.spid AS NVARCHAR(100)) AS KillCmd,REPLACE(hostname,
',','') as hostname ,replace(program_name,',','') as program_name

,REPLACE(loginame, ',','') AS loginame, db_name(a.dbid) AS DBname,spid,b
locked,waittime/1000 as waittime

,a.status,Replace(b.text, '','', ' ') as sqlmessage,cpu

from sys.sysprocesses as a with(nolock)

cross apply sys.dm_exec_sql_text(sql_handle) as b

where a.status<>'sleeping' AND a.spid<>@@SPID

```

查看数据库的最近备份信息

```

SELECT database_name,type,MAX(backup_finish_date) AS backup_finish_date F
ROM msdb.dbo.backupset GROUP BY database_name,type ORDER BY database_nam
e,type

```

备注：D 表示全备份，i 表示差异备份，L 表示日志备份

查看备份进度



```

SELECT DB_NAME(database_id) AS Exec_DB

,percent_complete

,CASE WHEN estimated_completion_time < 36000000

THEN '0' ELSE '' END + RTRIM(estimated_completion_time/1000/3600)

+ ':' + RIGHT('0' + RTRIM((estimated_completion_time/1000)%3600/60), 2)

+ ':' + RIGHT('0' + RTRIM((estimated_completion_time/1000)%60), 2) AS [Time Remaining]

,b.text as tsql

,*

FROM SYS.DM_EXEC_REQUESTS

cross apply sys.dm_exec_sql_text(sql_handle) as b

WHERE command LIKE 'Backup%' --and database_id=db_id('cardorder')

--OR command LIKE 'RESTORE%'

ORDER BY 2 DESC

```

查询always on状态是否正常

```

select dc.database_name, d.synchronization_health_desc, d.synchronization_state_desc, d.database_state_desc from sys.dm_hadr_database_replica_states d join sys.availability_databases_cluster dc on d.group_database_id=d.c.group_database_id and d.is_local=1

```

查看mirror镜像信息

```

SELECT

db_name(database_id),

mirroring_state_desc,

mirroring_role_desc,

```

```
mirroring_partner_name,

mirroring_partner_instance

FROM sys.database_mirroring
```

查看每个数据库实例的数据量大小

```
SELECT

DB_NAME(db.database_id) DatabaseName,

(CAST(mfrows.RowSize AS FLOAT)*8)/1024 RowSizeMB,

(CAST(mflog.LogSize AS FLOAT)*8)/1024 LogSizeMB,

(CAST(mfstream.StreamSize AS FLOAT)*8)/1024 StreamSizeMB,

(CAST(mftext.TextIndexSize AS FLOAT)*8)/1024 TextIndexSizeMB

FROM sys.databases db

LEFT JOIN (SELECT database_id, SUM(size) RowSize FROM sys.master_files WH
ERE type = 0 GROUP BY database_id, type) mfrows ON mfrows.database_id = d
b.database_id

LEFT JOIN (SELECT database_id, SUM(size) LogSize FROM sys.master_files WH
ERE type = 1 GROUP BY database_id, type) mflog ON mflog.database_id = db.
database_id

LEFT JOIN (SELECT database_id, SUM(size) StreamSize FROM sys.master_files
WHERE type = 2 GROUP BY database_id, type) mfstream ON mfstream.database_
id = db.database_id

LEFT JOIN (SELECT database_id, SUM(size) TextIndexSize FROM sys.master_fi
les WHERE type = 4 GROUP BY database_id, type) mftext ON mftext.database_
id = db.database_id
```

查询总耗CPU最多的前3个SQL，且最近5天出现过

```
SELECT TOP 3

total_worker_time/1000 AS [总消耗CPU 时间(ms)], execution_count [运行次数],

qs.total_worker_time/qs.execution_count/1000 AS [平均消耗CPU 时间(ms)],
```

```

last_execution_time AS [最后一次执行时间],max_worker_time /1000 AS [最大执行时间(ms)],

SUBSTRING(qt.text,qs.statement_start_offset/2+1,

(CASE WHEN qs.statement_end_offset = -1

THEN DATALENGTH(qt.text)

ELSE qs.statement_end_offset END -qs.statement_start_offset)/2 + 1)

AS [使用CPU的语法], qt.text [完整语法],

qt.dbid, dbname=db_name(qt.dbid),

qt.objectid,object_name(qt.objectid,qt.dbid) ObjectName

FROM sys.dm_exec_query_stats qs WITH(nolock)

CROSS apply sys.dm_exec_sql_text(qs.sql_handle) AS qt

WHERE execution_count>1 and last_execution_time>dateadd(dd,-5,getdate())

ORDER BY total_worker_time DESC

```

查看当前最耗资源的10个SQL及其spid

```

SELECT TOP 10

session_id,request_id,start_time AS '开始时间',status AS '状态',

command AS '命令',d_sql.text AS 'sql语句', DB_NAME(database_id) AS '数据库名',

blocking_session_id AS '正在阻塞其他会话的会话ID',

wait_type AS '等待资源类型',wait_time AS '等待时间',wait_resource AS '等待的资源',

reads AS '物理读次数',writes AS '写次数',logical_reads AS '逻辑读次数',

row_count AS '返回结果行数'

FROM sys.dm_exec_requests AS d_request

```

**CROSS APPLY**

```
sys.dm_exec_sql_text(d_request.sql_handle) AS d_sql
```

```
WHERE session_id>50
```

```
ORDER BY cpu_time DESC
```

```
-- 前50号session_id一般是系统后台进程, sys.dm_exec_requests的status显示为background
```

```
always on
```

查看集群各节点的信息, 包含节点成员的名称, 类型, 状态, 拥有的投票仲裁数

```
SELECT * FROM sys.dm_hadr_cluster_members;
```

查看集群各节点的信息, 包含节点成员的名称, 节点成员上的sql实例名称

```
select * from sys.dm_hadr_instance_node_map
```

查看WSFC(windows server故障转移群集)的信息, 包含集群名称, 仲裁类型, 仲裁状态

```
SELECT * FROM SYS.dm_hadr_cluster;
```

查看AG名称

```
select * from sys.dm_hadr_name_id_map
```

查看集群各节点的子网信息, 包含节点成员的名称, 子网段, 子网掩码

```
SELECT * FROM sys.dm_hadr_cluster_networks;
```

查看侦听ip

```
select * from sys.availability_group_listeners;
```

查看主从各节点的状态

复制

```
select d.is_local,dc.database_name, d.synchronization_health_desc,
d.synchronization_state_desc, d.database_state_desc
from sys.dm_hadr_database_replica_states d
join sys.availability_databases_cluster dc
on d.group_database_id=dc.group_database_id;
```

查看辅助副本(传说中的从库)延迟多少M日志量

```
select db_name(database_id),log_send_queue_size/1024 delay_M,*
from sys.dm_hadr_database_replica_states where is_primary_replica=0;
```

查看DDL操作的记录

```
select * from Sys.traces
```

# 客户业务说明

## 昂湃液冷

- 1.注水量拦截 维护产品扩展信息 limit 为注水量 一般填写 $210\pm5$  , 过站界面会拦截注液后的重量-注液前的重量 在 $210\pm5$  g范围内
- 2.水排码,即出货码导入系统, CSR增加表 ap\_customer\_sn 单独开发导入界面
- 3.多个标签取值需维护工单扩展信息



- 设备集成：
- 1.测漏仪
  - 2.注液机
  - 3.注水孔防漏检测
  - 4.热阻集成
  - 5.功能测试

# 系统参数

| ParamCode                           | ParamValue             |
|-------------------------------------|------------------------|
| sys_reportmail_send_enable          | 3                      |
| sys_materialsalert_mail_send_enable | 0                      |
| mms_materialsalert_day              | 30                     |
| defaultWeight                       | g                      |
| toolingExtend                       | 1                      |
| pickCheckLocaltion                  | 1                      |
| AQL_Default_Value                   | 1916@0@0.25"">C=0@0.25 |
| check_material_iqc_state            | 1                      |
| checkMantissaBox                    | 1                      |
| checkSerialCompleteProduct          | 1                      |
| FAI_ENABLE                          | 1                      |
| feed_export_check_material_isexists | 1                      |
| feed_export_resetsubstitutematerial | 0                      |
| fifoint                             | 1                      |
| isAllowFailInput                    | 1                      |
| IsSOPChangeOpen                     | 1                      |
| LOT_AUDIT_ENABLE                    | 1                      |
| mms_reels_exhaust_state             | 21                     |
| mms_reels_IQC_bad_state             | 14                     |
| mms_reels_IQC_CheckOK_Sate          | 0                      |
| mms_reels_IQC_REJECT_state          | 13                     |

| ParamCode                         | ParamValue                                 |
|-----------------------------------|--------------------------------------------|
| mms_reels_LineSideWarehouse_state | 18                                         |
| mms_reels_LowerShelf              | 0                                          |
| mms_reels_OtherReceiving_state    | 0                                          |
| mms_reels_Pick_state              | 16                                         |
| mms_reels_PickOutWarehouse_state  | 3                                          |
| mms_reels_Receiving_State         | 11                                         |
| mms_reels_ReturnGoods             | 31                                         |
| mms_reels_Supplier_print_Status   | 10                                         |
| mms_reels_transferIn              | 0                                          |
| mms_reels_transferOut             | 32                                         |
| mms_reels_UpperShelf              | 1                                          |
| packbox_error_lock                | 0                                          |
| error_lock                        | 0                                          |
| PRODUCT_AUDIT_ENABLE              | 0                                          |
| Product_Lot_Check_Must_Data       | 0                                          |
| Splitornot                        | 1                                          |
| SYS_CORPYRIGHT                    | Copyright © 2012-2021, All Rights Reserved |
| SYS_LEVEL                         | 系统等级                                       |
| SYS_NAME                          | 仓储管理系统                                     |
| checkSorting                      | 0                                          |
| outstockStates                    | 11                                         |
| isCheckWarehouse                  | 0                                          |
| notSerialNumberConversion         | 1                                          |



| ParamCode                         | ParamValue              |
|-----------------------------------|-------------------------|
| Plancontrol                       | 0                       |
| Intervaltime                      | 60                      |
| isCheckOutPut                     | 0                       |
| passwordStrength                  | 3                       |
| checkCarRegist                    | 0                       |
| checkMaterialEffective            | 1                       |
| isCreateLot                       | 0                       |
| BoxStartTime                      | 2020-06-18 10:00:00.000 |
| OrderModel                        | 0                       |
| ReceivingTally                    | 0                       |
| ToolingIsMaterial                 | 1                       |
| pickSubmit                        | 1                       |
| pck_smt_feeder_bystep             | 1                       |
| show_user_default_desktop         | 1                       |
| tooling_pchecker_select_face      | 1                       |
| login_sso                         | 0                       |
| login_sso_exist                   | 1                       |
| pck_loadfeeder_out_selectface     | 1                       |
| chc_spot_check_passstation_enable | 0                       |
| isRequiredLot                     | 0                       |
| LeadTimeOfSpotCheck               | 10                      |
| pck_use_newtooling                | 1                       |

| ParamCode                           | ParamValue                |
|-------------------------------------|---------------------------|
| sys_reportmail_send_enable          | 3                         |
| batchRepairSelectStep               | 1                         |
| packReelsStatus                     | 10                        |
| isPickSplitPrintLabel               | 1                         |
| jrunrun_Expressdeliveryorder_Prefix | 绑定快递单号条码前缀校验如 ( S10,F10 ) |
| SPD_ISTX                            | 1                         |
| Shipping_OQC_inspection             | 0                         |
| PO_printing_control                 | 0                         |
| lot_trace_select_step               | 0                         |
| PO_printing_mode                    | 1                         |
| PDA_HOME_PAGE                       | home/home01.html          |
| Shipment_Scanning_Check_storage     | 1                         |
| Connstring                          | 11                        |
| isCheckOQC                          | 0                         |
| PO_printing_mode                    | 1                         |
| isOpenPlanUpAndDown                 | 1                         |
| shipmentfifo                        | 1                         |
| winfrom_print_reel_status           | 0                         |
| chargingCheckStatus                 | 0                         |
| login_sso_timeout                   | 5                         |
| repair_workstation                  | 0                         |
| Pick_No_label                       | 1                         |

| ParamCode                   | ParamValue                                   |
|-----------------------------|----------------------------------------------|
| material_delivery           | 1                                            |
| testDataIsMongoDB           | 0                                            |
| lotIsTrace                  | 1                                            |
| toolingIsWhole              | 0                                            |
| IQC_Times_of_tightening     | 3                                            |
| IQC_Number_of_relaxations   | 10                                           |
| OQALinkPath                 | /Content/aiform/hongchang/OQC.html           |
| PCK_OUTSOURCING_ENABLE      | 0                                            |
| blendpassstation            | 0                                            |
| AQL_Default_Value           | 1916@0@0.25"">C=0@0.25                       |
| LHMovePath                  | D://                                         |
| chargingCheckSqlStore       | 0@TestCheckCharging                          |
| OrderPlanning_tc            | 1                                            |
| instock_Scanning_All        | 0                                            |
| NormalShelves               | 1                                            |
| BusinessDbConnection        | server= 124.71.33.56;uid=sa;pwd= @mes2021;da |
| blendpassstation            | 0                                            |
| blendpassstation            | 0                                            |
| notBlendPanelInitialization | 0                                            |
| workLabelAttr               | 1                                            |
| LotOutSourcingAllFlow       | 1                                            |

| ParamCode                              | ParamValue                                                  |
|----------------------------------------|-------------------------------------------------------------|
| ERP_reading_mode                       | 0                                                           |
| enable_login_validate_usercode_uplower | 1                                                           |
| TransferRestrictions                   | 0                                                           |
| adjustable_into_and_putaway            | 1                                                           |
| pck_load_material_check_scraper        | 1                                                           |
| blendpassstation                       | 0                                                           |
| KERR_UpkeepWarning                     | 3                                                           |
| Planning_mode                          | 1                                                           |
| putup_checkuid                         | 0                                                           |
| zxbt_asm_getInfo_xml                   | D:/kanban/xml/                                              |
| C14                                    | 1                                                           |
| Customername                           | YSD                                                         |
| isPickSplitPrintLabel                  | 1                                                           |
| XJ_TransfMaterial_LotPrice             | 5                                                           |
| XJ_AOIBad_InterfaceURL                 | 测试值                                                         |
| shipmentIsCheckWareHouse               | 0                                                           |
| UserCenterDbConnection                 | server= 124.71.33.56;uid=sa;pwd=@mes2021;da                 |
| feederType                             |                                                             |
| taskservice                            | <a href="http://localhost:6688/">http://localhost:6688/</a> |
| SYSTEM_ORGANIZE                        | DW                                                          |
| Material_import_Supplier               | 1                                                           |
| googs_instock_SUB_ERP                  | 1                                                           |
| system_customer                        | DW                                                          |

| ParamCode                      | ParamValue               |
|--------------------------------|--------------------------|
| IQC_SUB_ERP                    | 0                        |
| Delivery_isopen_fifo           | 0                        |
| IQC_Delete_check               | 1                        |
| Delivery_isopen_print          | 0                        |
| Minimum_package                | 0                        |
| pck_smt_record_subserials      | 1                        |
| pck_pda_show_materialquantity  | 1                        |
| pck_pda_show_materialdatecode  | 1                        |
| pck_pda_show_materiallotno     | 1                        |
| Material_storage_submit_erp    | 0                        |
| WEIJIAO_UP_Node                | IQC                      |
| instock_SUB_ERP                | 1                        |
| PICK_SUB_CHECKQTY              | 1                        |
| Enable_Material_fifo           | 0                        |
| Pick_Enable_SubstituteMaterial | 0                        |
| Pick_Detail_Sort               | 0                        |
| reworkUnBoxStates              | 2                        |
| SOLDER_ENTER_STTATE            | 0,19,20                  |
| Is_Check_Msd                   | 0                        |
| system_Kaifeng                 | 1                        |
| Material_storage_submit_iqc    | 精零星进货是否需要进行IQC检验（0:否，1是） |
| passInitFirstArticle           | 1                        |

| ParamCode                       | ParamValue                                   |
|---------------------------------|----------------------------------------------|
| Pick_Display_LOCATION           | 1                                            |
| CountSheetBatch                 | 1                                            |
| JPDWorkReportCloseErp           | 1                                            |
| BarcodeInsWarehouse             | 1                                            |
| PlanSchedulingLine              | SL17 SL18 H2 SL22-1                          |
| PO_printing_mode                | 1                                            |
| SZJJ_STANDARD_HOUR              | 20                                           |
| OQAShowReplaceSize              | 1                                            |
| IsOutsourcing_ScanCode          | 1                                            |
| InoutInit                       | 0                                            |
| XJ_TransfMaterial_MaterialPrice | 10                                           |
| WorkFlowDbConnection            | server= 124.71.33.56;uid=sa;pwd= @mes2021;da |
| PICK_SUB_ERP                    | 1                                            |
| Supplier_Acceptance_letter      | 0                                            |
| PO_Return_file                  | 0                                            |
| Pick_Synchronization_mode       | 1                                            |
| Pick_Summary_Split              | 1                                            |
| PDA_Quantity_type               | thousands                                    |
| Pick_Singleline_split           | 1                                            |
| PassOpenCache                   | 0                                            |
| PO_Change_confirm               | 0                                            |
| Delivery_Batch                  | 01                                           |

| ParamCode                 | ParamValue                                                                       |
|---------------------------|----------------------------------------------------------------------------------|
| passLastStepLotAutoClose  | 0                                                                                |
| userLoginErrorCount       | 100                                                                              |
| isOutputXml               | 1                                                                                |
| Transfer_File_address     | 192.168.1.18                                                                     |
| PICK_Check_UIDQTY         | 1                                                                                |
| system_FilteringWarehouse | 1                                                                                |
| ShippingWarehouse         | 0                                                                                |
| firstPieceCheckByStep     | 1                                                                                |
| lotTraceRatio             | 10                                                                               |
| fifoint_Special           | 0                                                                                |
| shipment_sub_checkQty     | 0                                                                                |
| pandian_SUB_ERP           | 0                                                                                |
| PDAQueryWarehousesDisplay | 0                                                                                |
| ReportEmailAddress        | D:/ReportEmailAddress/                                                           |
| shipmentCheckOBA          | 0                                                                                |
| ConnType                  | 0                                                                                |
| shipment_Limit_Outermost  | 0                                                                                |
| Stock_ERP_default         | 1                                                                                |
| PackLotSetting            | 1                                                                                |
| OQARebackRT               | 0                                                                                |
| SrcBillType               | 59,60,10                                                                         |
| XJ_TransfMaterial_ToEmail | <a href="mailto:1131150912@qq.com">1131150912@qq.com</a> "">lhl 1131150912@qq.co |

| ParamCode                           | ParamValue                                                                                            |
|-------------------------------------|-------------------------------------------------------------------------------------------------------|
| Pick_Query_Erp                      | 1                                                                                                     |
| Close_Repair_URL                    | <a href="http://192.168.8.3/defects/CloseRepairByMes">http://192.168.8.3/defects/CloseRepairByMes</a> |
| Send_Repair_URL                     | <a href="http://192.168.8.3/defects/AddDefectByMES">http://192.168.8.3/defects/AddDefectByMES</a>     |
| Pick_Open_BatchControl              | 0                                                                                                     |
| Pack_BillNo                         | Box                                                                                                   |
| Transfer_File_address2              | //192.168.135.211/smt-xml                                                                             |
| Transfer_File_address3              | D:/mes/kanban/Parse_XML3                                                                              |
| PDA_CPCL_Print                      | 0                                                                                                     |
| UID_Prefix                          | 供应商编码                                                                                                 |
| smtFujiDir                          | D:/smt/                                                                                               |
| Miscellaneous_collection_submit_erp | 1                                                                                                     |
| CurrencyName                        | 通用规则                                                                                                  |
| Mandatory_delivery_of_shipments     | 0                                                                                                     |
| shipmentIsCheckWareHouse            | 0                                                                                                     |
| UpdateDocuments                     | 0                                                                                                     |
| sys_materialsalert_mail_send_enable | 0                                                                                                     |
| XJ_AOIBad_InterfaceURL              | 测试值                                                                                                   |
| untyingStep                         | 0                                                                                                     |
| receive_SUB_ERP                     | 0                                                                                                     |
| warehouse_return_SUB_ERP            | 0                                                                                                     |
| production_return_intosetof_SUB_ERP | 1                                                                                                     |



| ParamCode                          | ParamValue                                                                                                    |
|------------------------------------|---------------------------------------------------------------------------------------------------------------|
| pck_load_material_check_scraper    | 1                                                                                                             |
| pck_load_material_check_stencils   | 1                                                                                                             |
| pck_load_material_check_thimble    | 1                                                                                                             |
| XJ_TransfMaterial_ExamineURL       | <a href="http://localhost:7821/xfeeds/TransfMaterial_New">http://localhost:7821/xfeeds/TransfMaterial_New</a> |
| verification_lot                   | 1                                                                                                             |
| putup_check_uidpick                | 1                                                                                                             |
| isEnabledPlanScheduling            | 0                                                                                                             |
| Line_address                       | 123321                                                                                                        |
| Mantissa_start                     | 1                                                                                                             |
| UID_SubdivisionBillNo              | 1                                                                                                             |
| UID_SyncreticBillNo                | 1                                                                                                             |
| Delivery_BillNo                    | 1                                                                                                             |
| SystemDbConnection                 | server= 124.71.33.56;uid=sa;pwd=@mes2021;da                                                                   |
| jinrun_Expressdeliveryorder_Prefix | 绑定快递单号条码前缀校验如 ( S10,F10 )                                                                                     |
| shipment_SUB_ERP                   | 1                                                                                                             |
| Pick_Overhair_Quantity             | 0                                                                                                             |
| isOpenPlanPublish                  | 0                                                                                                             |
| defectFeed                         | 1                                                                                                             |
| PDAShelvesSelectNumberHide         | 0                                                                                                             |
| PDAShelvesSubmitIsHide             | 0                                                                                                             |
| Pick_WareLocation_Reduction        | 0                                                                                                             |
| Pick_AutoFillSplit                 | 0                                                                                                             |

| ParamCode                 | ParamValue              |
|---------------------------|-------------------------|
| chargingSaveMaterial      | 1                       |
| reworkNoCheckState        | 1                       |
| IN_CheckAllIQC            | 1                       |
| Supplier_BP_Proportion    | 0                       |
| File_address              | log/PDA                 |
| Transfer_File_user        | mes                     |
| Transfer_File_pwd         | 123.com                 |
| Transfer_File_filename    | text                    |
| DS_SerialOutDate          | 7                       |
| passInsertOqaBillNo       | 1                       |
| Receive_Scanning_All      | 1                       |
| Transfer_SUB_ERP          | 0                       |
| outsourced_return_SUB_ERP | 1                       |
| adjustable_Need_In        | 0                       |
| IQC_BillNo                | ZTYI                    |
| googs_instock_ReadView    | 1                       |
| Transfer_File_address_DSF | D:/mes/kanban/Parse_DSF |
| wms_print_BarTender       | 1                       |
| passOpenWorkTime          | 0                       |
| Pick_Split_UpUid          | 0                       |
| UID_LabelBillNo           | 1                       |

| ParamCode                      | ParamValue |
|--------------------------------|------------|
| RN_BillNo                      | 1          |
| IN_BillNo                      | 1          |
| UID_BillNo                     | 1          |
| pck_load_material_check_feeder | 1          |
| Shipment_Display_LOCATION      | 0          |
| search_to_Location             | 1          |

## 系统按钮

| ButtonCode        | ButtonName | ButtonSeq | Description |
|-------------------|------------|-----------|-------------|
| 1                 | UID分盘      | 0         |             |
| 2                 | UID合盘      | 0         |             |
| 20200422          | 备料先进先出     | 0         |             |
| 20200622          | 出货先进先出     | 0         |             |
| 202009081802      | 反审         | 1         |             |
| 202010301         | 开拉核对审核     | 0         |             |
| 3                 | UID补打      | 0         |             |
| 652               | 自定义条码重打印   | 5214      |             |
| 886               | 删除快递单      | 0         |             |
| accredit          | 授权         | 9         |             |
| add               | 新增         | 1         |             |
| Advanced_deletion | 高级删除       | 0         | IQC高级删除权限   |
| affirm            | 确认         | 1         |             |
| Akey_Storage      | 送货收料一键入库   | 0         |             |
| allunlock         | 全部解锁       | 0         |             |
| ASNdelete         | ASN删除      | 23        |             |
| asyn              | 同步ERP工单    | 15        |             |
| audit             | 审核         | 10        |             |
| batchlock         | 批量解锁       | 0         |             |
| boxErrorUnLock    | 装箱报错解屏     | 1         |             |
| browse            | 浏览         | 1         |             |

| ButtonCode            | ButtonName | ButtonSeq | Description           |
|-----------------------|------------|-----------|-----------------------|
| btntip                | 物料管控审核权限   | 18        |                       |
| car_load_materials    | 料车上料       | 0         |                       |
| carloadmaterials      | 料车         | 313       |                       |
| category              | 管理分类       | 0         |                       |
| CODE                  | 物料管控审核权限   | 0         |                       |
| confirm               | 确认         | 0         |                       |
| controlMaterial       | 管控物料       | 17        | 是否管控物料                |
| copy                  | 复制         | 12        |                       |
| delete                | 删除         | 3         | aa                    |
| deletes               | 批量删除       | 0         |                       |
| deskhelp_job_switcher | 任务派发       | 0         |                       |
| download              | 下载         | 7         |                       |
| edit                  | 编辑         | 2         |                       |
| EquipmentStatus       | 设备状态       | 0         |                       |
| errorUnLock           | 报错解屏       | 1         | 扫描报错时会锁屏<br>这时需要有权限的. |
| export                | 导出         | 6         | aaa                   |
| fileAuditLink         | 软件上传审核     | 998       |                       |
| fileRetrialLink       | 软件上传反审     | 999       |                       |
| first_load_materials  | 首次上料       | 0         |                       |
| from                  | 软件上传       | 1000      |                       |
| GG_GG                 | GG_GG      | 123123    |                       |
| GGGGG                 | GGGGG1     | 1231      |                       |

| ButtonCode                  | ButtonName    | ButtonSeq | Description                     |
|-----------------------------|---------------|-----------|---------------------------------|
| helpdesk_job_submitter      | 任务提交          | 0         |                                 |
| inport                      | 导入            | 11        |                                 |
| ipqc_check_all_material     | IPQC核料-全      | 0         |                                 |
| ipqc_check_material_station | IPQC核料-站      | 0         |                                 |
| iqc_edit                    | 品质输入权限        | 0         |                                 |
| IQC_Field_Authority         | IQC表单字段权限     | 0         |                                 |
| labelAttr                   | 标签属性          | 26        | 标签可更改属性的                        |
| mantissaBox                 | 尾数箱提交管控       | 22        | 尾数箱提交是否需                        |
| MaterialType                | 管理类别          | 0         |                                 |
| MSDReset                    | 重置暴露时间        | 24        | 物料:重置MSD暴露                      |
| OfflineQAExamine            | 离线备料审核        | 0         |                                 |
| old_new_material_load       | 旧料新料接料        | 0         |                                 |
| OQCCheckSubmit              | OQA抽检强制提交     | 0         |                                 |
| outdel                      | 出货删除          | 0         |                                 |
| packCheckSubmit             | 装箱检查强制提交      | 0         | 装箱检查功能，<br>可以不需要扫描完<br>点击提交进行强制 |
| packDelete                  | 包装删除          | 0         |                                 |
| passmode                    | 直通模式          | 20        | 直通模式                            |
| pd_edit                     | 生产输入权限        | 0         |                                 |
| PdaCheckOff                 | PdaPcheck离线模式 | 0         | PdaPcheck离线模                    |
| PdaCheckOn                  | PdaPcheck在线模式 | 0         | PdaPcheck在线模                    |
| pmc_edit                    | PMC输入权限       | 0         |                                 |
| po_edit                     | 采购输入权限        | 0         |                                 |

| ButtonCode   | ButtonName  | ButtonSeq | Description |
|--------------|-------------|-----------|-------------|
| print        | 打印          | 8         |             |
| productSetCj | 产品设置抽检      | 0         |             |
| ProductTab0  | 选项卡0-装配     | 300       | 装配          |
| ProductTab1  | 选项卡1-包装     | 301       | 包装          |
| ProductTab10 | 选项卡10-误测    | 310       | 误测          |
| ProductTab11 | 选项卡11-其他    | 311       | 其他          |
| ProductTab12 | 选项卡12-进站时间  | 312       | 进站时间        |
| ProductTab13 | 选项卡13-包装检查  | 313       | 包装检查        |
| ProductTab14 | 选项卡14-资质认证  | 314       | 资质认证        |
| ProductTab15 | 选项卡15-抽检    | 315       | 抽检          |
| ProductTab16 | 选项卡16-条码比对  | 316       | 条码比对        |
| ProductTab17 | 选项卡17-条码关联  | 317       | 条码关联        |
| ProductTab18 | 选项卡18-不良品处理 | 318       | 不良品处理       |
| ProductTab19 | 选项卡19-数据收集  | 319       | 数据收集        |
| ProductTab2  | 选项卡2-称重     | 302       | 称重          |
| ProductTab20 | 选项卡20-重复过站  | 320       | 重复过站        |
| ProductTab21 | 选项卡21-进站控制  | 321       | 进站控制        |
| ProductTab22 | 选项卡22-流转卡   | 322       | 流转卡         |
| ProductTab23 | 选项卡23-拓展    | 323       | 产品拓展-工单拓展   |
| ProductTab24 | 选项卡24-设备联机  | 324       | 设备联机        |
| ProductTab25 | 选项卡25-产品工序  | 325       | 产品工序        |
| ProductTab3  | 选项卡3-标签     | 303       | 标签          |

| ButtonCode                    | ButtonName | ButtonSeq | Description |
|-------------------------------|------------|-----------|-------------|
| ProductTab4                   | 选项卡4-标准工时  | 304       | 标准工时        |
| ProductTab5                   | 选项卡5-条码替换  | 305       | 条码替换        |
| ProductTab6                   | 选项卡6-工装治具  | 306       | 工装治具        |
| ProductTab7                   | 选项卡7-载具    | 307       | 载具          |
| ProductTab8                   | 选项卡8-BOM   | 308       | BOM         |
| ProductTab9                   | 选项卡9-出站时间  | 309       | 出站时间        |
| pzaudit                       | 品质审核       | 0         |             |
| rd_edit                       | RD输入权限     | 0         |             |
| refresh                       | 刷新         | 5         |             |
| refuse                        | 拒绝         | 0         | 拒绝          |
| rePrintLabel                  | 过站重打标签     | 1         |             |
| role                          | 设置角色       | 14        |             |
| save                          | 保存         | 13        |             |
| scaudit                       | 生产审核       | 0         |             |
| scrap                         | 报废         | 16        |             |
| search                        | 查询         | 4         |             |
| Shipping_Delete               | 发运删除       | 0         |             |
| skip                          | 放行通过       | 0         | 15          |
| station_new_materials         | 站位-新料接料    | 0         |             |
| station_old_new_material_load | 站位旧料新料接料   | 0         |             |
| station_pcheck_material       | 站位新料接料     | 0         |             |
| SubstituteMaterial            | 替代料        | 25        |             |
| systemconfig                  | 系统设置       | 21        |             |



| ButtonCode             | ButtonName   | ButtonSeq | Description   |
|------------------------|--------------|-----------|---------------|
| TEST02020421           | TEST02020421 | 212       | 121           |
| TEST20200421           | TEST         | 22        | 1             |
| tmpChangeSetupList     | 站位修改         | 33        | SMT-pcheck修改站 |
| tmpuncontrol           | 临时不管控物料权限    | 19        | 临时不管控物料权      |
| uid_Convert            | uid标签转换      | 107       | Winform 标签转换  |
| uid_copy               | uid补打        | 104       | Winform 补打    |
| uid_edit               | uid编辑        | 101       | Winform 标签编辑  |
| UID_FP                 | UID分盘        | 0         |               |
| uid_Merge              | uid合盘        | 106       | Winform 合盘    |
| uid_print              | uid打印        | 100       | Winform uid打印 |
| uid_specs_edit         | uid规格修改      | 105       | Winform 规格修改  |
| uid_split              | uid拆分        | 102       | Winform拆分     |
| Upanddown              | 上下线权限        | 0         |               |
| View_amount            | 查看金额         | 0         |               |
| wince_scan_setting_pda | 扫码设置         | 0         |               |
| YL_EMBER               | Ember权限      | 0         |               |
| YL_Production          | 生产部确认        | 0         | 颖利IPQC巡检报表    |
| YL_Quality             | 品质部确认        | 0         | 颖利IPQC巡检表单    |
| 程序确认                   | 程序确认         | 0         |               |
| 程序审核                   | 程序审核         | 0         |               |
| 重新提交                   | 重新提交         | 0         |               |

# 数据字典

| Value            | Text            | ParentC |
|------------------|-----------------|---------|
| Pair             | 双               | Measur  |
| Vehicle          | 辆               | 0       |
| task_mes         | MES任务           | sys_tas |
| Barrel           | 桶               | Measur  |
| 0003             | 修改记录            | Resour  |
| L                | Line            |         |
| C                | Cell            |         |
| type001          | 修磨              | Bad_ty  |
| yyMM             | 年（两位）月          | dateTy  |
| G01Z             | 192.168.104.108 | QJ1     |
| fbt_cost_ink     | 油墨              | fbt_cos |
| G12Z             | 192.168.104.105 | BD1     |
| handle           | 把               | 0       |
| 2033             | 螺丝不见            | resouci |
| kanban_eight     | 计划达成率看板         | KanBar  |
| pcs              | pcs             |         |
| UID_Prefix       | UID             | System  |
| C                | Cell            |         |
| pcs              | pcs             |         |
| G02Z             | 192.168.104.115 | QJ1     |
| JXT_HourMoney_30 | 30时薪            | JXT_Hc  |

| Value       | Text            | ParentC  |
|-------------|-----------------|----------|
| 2027        | 不通电             | resoucc  |
| ZA05X       | 192.168.101.205 | GX       |
| kanban_5    | 生产看板            |          |
| Desk        | 台               | 0        |
| G09Z        | 192.168.104.102 | BD1      |
| S           | Station         |          |
| FBTA1       | 开料机             | fbt_cos  |
| Special     | 特级              | 0        |
| Branch      | 支               | 0        |
| SA05X       | 192.168.101.235 | SA       |
| Top         | 顶               | 0        |
| 圆通          | 圆通              | Logistic |
| Subcontract | 分包              | 0        |
| m           | 米               | 0        |
| km          | 千米              | 0        |
| cm          | 厘米              | 0        |
| kg          | 千克              | 0        |
| ton         | 吨               | 0        |
| g           | 克               | 0        |
| L           | 升               | 0        |
| ml          | 毫升              | 0        |
| Pcs         | Pcs             | 0        |
| dozen       | 打               | 0        |

| Value         | Text                                                                                                                            | ParentC  |
|---------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| dong          | 栋                                                                                                                               | 0        |
| tai           | 台                                                                                                                               | 0        |
| tao           | 套                                                                                                                               | 0        |
| liang         | 辆                                                                                                                               | 0        |
| level4        | 4级                                                                                                                              | produc   |
| Reel          | 卷                                                                                                                               | 0        |
| PUR_MRB       | url                                                                                                                             |          |
| 0001          | 开模                                                                                                                              | Resour   |
| ApprovalPass  | 审批通过                                                                                                                            | 0        |
| E02S          | 192.168.103.105                                                                                                                 | BD2      |
| W001          | ww错误                                                                                                                            | BLLB     |
| Unapproved    | 未审批                                                                                                                             | 0        |
| 转线A挡          | 45                                                                                                                              | TurnTir  |
| PurchaseOrder | <a href="http://192.168.2.252/k3cloud/ERPGW.aspx?op=PurchaseOrder">http://192.168.2.252/k3cloud/ERPGW.aspx?op=PurchaseOrder</a> | url      |
| R             | Resource                                                                                                                        |          |
| level1        | 1级                                                                                                                              | produc   |
| bhbSerial     | 保护板条码                                                                                                                           | BindNa   |
| Other         | 其他                                                                                                                              | 0        |
| Np001         | 新员工培训                                                                                                                           | Abnorr   |
| CubicMeter    | 立方米                                                                                                                             | 0        |
| 直尺            | 直尺                                                                                                                              | Testing  |
| 京东            | 京东                                                                                                                              | Logistic |

| Value         | Text            | ParentC |
|---------------|-----------------|---------|
| Item          | 件               | 0       |
| bm001         | bm001           | bm      |
| Plate         | 盘               | 0       |
| Turnover      | 周转材料            | 0       |
| Piece         | 个               | 0       |
| UnderThree    | 三级及以下           | 0       |
| level3        | 3级              | produc  |
| Two           | 二级              | 0       |
| 2024001       | 表面刮花痕迹明显        | BLLB    |
| Sheet         | 张               | 0       |
| 5941          | 5941            | Single  |
| Subcontract   | 分包              | 0       |
| level4        | 4级              | incomi  |
| 0002          | 操作错误            | BLLB    |
| Reel          | 卷               | 0       |
| kg            | 公斤              | Produc  |
| Strip         | 条               | 0       |
| InternalUnits | 内部单位            | 0       |
| Top           | 顶               | 0       |
| type002       | 改模              | Docum   |
| G03Z          | 192.168.104.107 | QJ1     |
| juan          | 卷               | 0       |
| shuang        | 双               | 0       |

| Value                   | Text            | ParentC |
|-------------------------|-----------------|---------|
| E08S                    | 192.168.103.108 | BD2     |
| Desk                    | 台               | 0       |
| W                       | Workcenter      |         |
| ApprovalUnPass          | 审批未通过           | 0       |
| Freq1                   | 次               | Measur  |
| Item                    | 件               | 0       |
| LowerMold               | 下模              | PartNa  |
| ftb_water_electricity_1 | 水电1             | ftb_cos |
| Consume                 | 消耗材料            | 0       |
| defectCode              | 海业吉利车机          | HY_Del  |
| pwd                     | Dreamway01      | mailcer |
| 2024                    | 缺少冷却液           | resoucc |
| 3                       | 样品工单            | LotTyp  |
| outTime                 | 外出工时            | Abnorrr |
| A2                      | A2班             | dutytin |
| Desk                    | 台               | 0       |
| Bottle                  | 瓶               | 0       |
| Fan                     | 扇               | 0       |
| ApprovalIn              | 审批中             | 0       |
| cpmSerial               | 成品码条码           | BindNa  |
| UnderThree              | 三级及以下           | 0       |
| loss原因3                 | loss原因3         | lossCat |
| ZA07X                   | 192.168.101.213 | GX      |

| Value                           | Text                                            | ParentC |
|---------------------------------|-------------------------------------------------|---------|
| 转线C挡                            | 15                                              | TurnTir |
| Approvalln                      | 审批中                                             | 0       |
| IQC                             | IQC                                             | Docum   |
| Material_collection             | RN                                              | Docum   |
| Desk                            | 台                                               | 0       |
| account                         | @dreamway-link.com"">services@dreamway-link.com |         |
| Department                      | 研发部                                             | System  |
| Meter                           | 米                                               | 0       |
| Two                             | 二级                                              | 0       |
| Branch                          | 支                                               | 0       |
| port                            | 80                                              |         |
| level7                          | 7级                                              | produc  |
| Upperold                        | 上模                                              | PartNa  |
| SA04X                           | 192.168.101.200                                 | SA      |
| FBT13                           | CNC                                             | fbt_cos |
| 2023                            | 爆缸                                              | resouce |
| Meter                           | 米                                               | 0       |
| mm                              | 毫米                                              | Produc  |
| tooling_property_safe_inventory | 安全库存                                            | tooling |
| oneBind                         | 一级绑定                                            | BindNa  |
| S2004                           | RWER234FS                                       | resouce |
| level1                          | 1级                                              | incomi  |

| Value           | Text               | ParentC |
|-----------------|--------------------|---------|
| Ton             | 吨                  | 0       |
| CubicMeter      | 立方米                | 0       |
| DMQC            | QC                 | HRDM    |
| X509Certificate | 0                  |         |
| Bottle          | 瓶                  | 0       |
| kanban_seven    | 线体良率看板             | KanBar  |
| ddMM            | 日月                 | dateTy  |
| kanban_line     | 新版线体看板             | KanBar  |
| Approvalln      | 审批中                | 0       |
| S2001           | 机油缺漏               | resouce |
| Sheet           | 张                  | 0       |
| buyTime         | 购买时间               | reelExt |
| Piece           | 个                  | 0       |
| ck1             | 仓库1区               | useAre  |
| S001            | 分判商1               | fbs     |
| mail            | smtp.mxhichina.com | mailcer |
| SZJJ_TEXT002    | 继电器                | SZJJMa  |
| 1012            | 压敏电阻               | SZJJMa  |
| Freq            | 万次                 | Measur  |
| 2020            | 机油增多               | resouce |
| LS-KnifePath4   | IR红外四边形窗           | LS_Knif |
| LS-KnifePath5   | 排气窗                | LS_Knif |
| labelType02     | 标签类别2              | labelTy |



| Value          | Text            | ParentC  |
|----------------|-----------------|----------|
| ck2            | 仓库2区            | useAre   |
| dutytime_cs1   | CS1班            | dutytin  |
| test           | test            | Compa    |
| 02             | 补料维修            | BLLB     |
| Bag            | 袋               | 0        |
| HundredPieces  | 百个              | 0        |
| C002           | 武汉（武汉仓库）        | XIAOM    |
| Unapproved     | 未审批             | 0        |
| Suit           | 套               | 0        |
| Fan            | 扇               | 0        |
| 2031           | 撞机              | resoucr  |
| FdErrCode_02   | 飞达不进料           | Feeder   |
| G10Z           | 192.168.104.103 | BD1      |
| labelType01    | 标签类别1           | labelTy  |
| Rent           | 租赁              | 0        |
| KG             | 公斤              | 0        |
| 45454          | 文本测试            | lotExte  |
| call_master    | 呼叫主管            | errorale |
| 03             | 换料维修            | BLLB     |
| quantity_alert | 品质异常            | errorale |
| textBolin      | 22              | lotExte  |
| ZA03X          | 192.168.101.206 | GX       |
| 0001           | 测试              | Unique   |

| Value                        | Text            | ParentC  |
|------------------------------|-----------------|----------|
| Ton                          | 吨               | 0        |
| S2002                        | 地盘脱落            | resource |
| 中通                           | 中通              | Logistic |
| Fan                          | 扇               | 0        |
| Supplier                     | 供应商             |          |
| 转线B挡                         | 20              | TurnTir  |
| S2005                        | 423RWERWE       | resource |
| level3                       | 3级              | incomi   |
| level5                       | 5级              | produc   |
| defectType                   | 海业吉利车机          | HY_Def   |
| Machine                      | 机械配件            | 0        |
| 0001                         | 机器故障            | BLLB     |
| G14Z                         | 192.168.104.112 | BD1      |
| E05S                         | 192.168.103.102 | BD2      |
| Material_collection_Supplier | RN              | Docum    |
| ftb_usercount                | 人工1             | ftb_cos  |
| UID_Split                    | 0,1             | System   |
| Top                          | 顶               | 0        |
| Reel                         | 卷               | 0        |
| task_wms                     | WMS任务           | sys_tas  |
| B2                           | B2班             | dutytin  |
| ftb_cost_person              | 人工              | ftb_cos  |
| SquareMeters                 | 平方米             | 0        |

| Value         | Text            | ParentC |
|---------------|-----------------|---------|
| G04Z          | 192.168.104.114 | QJ1     |
| Unapproved    | 未审批             | 0       |
| Suit          | 套               | 0       |
| level5        | 5级              | incomi  |
| UnderThree    | 三级及以下           | 0       |
| 123           | 123             | quadra  |
| 2             | 返工工单            | LotType |
| dutytime_c    | C班              | dutytin |
| FdErrCode_04  | 进料不稳(浮高)        | Feeder  |
| mm            | mm              | 0       |
| fen           | 份               | 0       |
| bao           | 包               | 0       |
| zha           | 扎               | 0       |
| he            | 盒               | 0       |
| ping          | 瓶               | 0       |
| tong          | 筒               | 0       |
| ZA09X         | 192.168.101.233 | GX      |
| type002       | 损坏              | Bad_ty  |
| saveFile      | D:\SCTEST\JSON  | hbl-sc  |
| twoBind       | 二级绑定            | BindNa  |
| Consumables   | 低值易耗品           | 0       |
| InternalUnits | 内部单位            | 0       |
| Barrel        | 桶               | 0       |

| Value             | Text            | ParentC |
|-------------------|-----------------|---------|
| Bag               | 袋               | 0       |
| FBT15             | 自动印刷机           | fbt_cos |
| Pair              | 双               | 0       |
| LabelCategory_LBL | codesoft        | LabelC  |
| dmail             | 钉邮箱             | mailcer |
| d                 | 日               | dateTy  |
| S                 | Station         |         |
| R                 | Resource        |         |
| InternalUnits     | 内部单位            | 0       |
| loss原因1           | loss原因1         | lossCat |
| y                 | 年(一位)           | dateTy  |
| Material          | 物料              |         |
| Other             | 其他              | 0       |
| Rent              | 租赁              | 0       |
| Other             | 其他              | 0       |
| Plate             | 盘               | 0       |
| LabelCategory_BTW | bartender       | LabelC  |
| Plate             | 盘               | 0       |
| FBT0110           | 材料2             | fbt_cos |
| MMdd              | 月日              | dateTy  |
| 2021              | 机油腐化            | resouce |
| ZA08X             | 192.168.101.214 | GX      |
| Block             | 块               | 0       |

| Value              | Text            | ParentC  |
|--------------------|-----------------|----------|
| C001               | 上海（虹桥仓库）        | XIAOM    |
| pcs                | pcs             |          |
| Approvalln         | 审批中             | 0        |
| KG                 | 公斤              | 0        |
| Machine            | 机械配件            | 0        |
| Special            | 特级              | 0        |
| Barrel             | 桶               | 0        |
| Vehicle            | 辆               | 0        |
| 1                  | 箱号              | searchC  |
| LabelCategory_PRN  | ZPL             | LabelC:  |
| Consume            | 消耗材料            | 0        |
| 2.0                | 2.0             | PAD_Ul   |
| Consumables        | 低值易耗品           | 0        |
| material_empty     | 缺料              | errorale |
| SquareMeters       | 平方米             | 0        |
| LS-KnifePath2      | 五个视窗            | LS_Knif  |
| S2007              | RWER            | resouce  |
| MMyy               | 月年（两位）          | dateTyp  |
| NoUp_UID_STATUS    | 31              | System   |
| Vehicle            | 辆               | 0        |
| JXT_HourMoney_22.5 | 22.5时薪          | JXT_Hc   |
| Transfer_Warehouse | 25,06,12        | System   |
| ZA10X              | 192.168.101.208 | GX       |

| Value         | Text            | ParentC |
|---------------|-----------------|---------|
| productType   | 机种              | produc  |
| G             | 克               | Produc  |
| slice         | 片               | 0       |
| second        | 秒               | 0       |
| minute        | 分               | 0       |
| hour          | 时               | 0       |
| Item          | 件               | 0       |
| FBTA2         | 电费              | fbt_cos |
| S2008         | 23423           | resouci |
| Bottle        | 瓶               | 0       |
| ApprovalPass  | 审批通过            | 0       |
| 2             | 工单              | searchC |
| loss原因2       | loss原因2         | lossCal |
| FBTA4         | 钻头治具            | fbt_cos |
| 卡尺            | 卡尺              | Testing |
| Block         | 块               | 0       |
| L             | Line            |         |
| SA03X         | 192.168.101.216 | SA      |
| One           | 一级              | 0       |
| UID_Split_PDA | 0,1             | System  |
| yyyyMM        | 年 ( 四位 ) 月      | dateTy  |
| Strip         | 条               | 0       |
| Root          | 根               | 0       |

| Value           | Text                                                                                              | ParentC |
|-----------------|---------------------------------------------------------------------------------------------------|---------|
| Block           | 块                                                                                                 | 0       |
| LS-KnifePath3   | 四个视窗                                                                                              | LS_Knif |
| Single          | 只                                                                                                 | 0       |
| LS-KnifePath1   | 外形                                                                                                | LS_Knif |
| FBT21           | 清洗机                                                                                               | fbt_cos |
| Special         | 特级                                                                                                | 0       |
| PO_storage      | IN                                                                                                | Docum   |
| fbt_materials_1 | 材料1                                                                                               | fbt_cos |
| AuditByCode     | <a href="http://120.77.80.245:56800/TT/AuditByCode">http://120.77.80.245:56800/TT/AuditByCode</a> | url     |
| Pair            | 双                                                                                                 | 0       |
| SA06X           | 192.168.101.215                                                                                   | SA      |
| tonne           | 吨                                                                                                 | Measur  |
| dutytime_cs3    | CS3班                                                                                              | dutytin |
| FdErrCode_03    | 送料不到位                                                                                             | Feeder  |
| ApprovalPass    | 审批通过                                                                                              | 0       |
| ftb_machine     | 设备                                                                                                | fbt_cos |
| Vehicle         | 辆                                                                                                 | 0       |
| W               | Workcenter                                                                                        |         |
| DMQA            | QA                                                                                                | HRDM    |
| Err001          | 设备异常                                                                                              | Abnorr  |
| Rent            | 租赁                                                                                                | 0       |
| HundredPieces   | 百个                                                                                                | 0       |
| Suit            | 套                                                                                                 | 0       |

| Value        | Text            | ParentC |
|--------------|-----------------|---------|
| Machine      | 机械配件            | 0       |
| Root         | 根               | 0       |
| level8       | 8级              | produc  |
| Single       | 只               | 0       |
| SA02X        | 192.168.101.231 | SA      |
| Ton          | 吨               | 0       |
| S2009        | RWER            | resoucr |
| E06S         | 192.168.103.101 | BD2     |
| ZA04X        | 192.168.101.207 | GX      |
| SquareMeters | 平方米             | 0       |
| Meter        | 米               | 0       |
| Concrete     | 商砼              | 0       |
| ZA06X        | 192.168.101.230 | GX      |
| 其他           | 其他              | lossCat |
| Meter        | 米               | 0       |
| G11Z         | 192.168.104.104 | BD1     |
| task_tooling | 工装设备            | sys_tas |
| handle       | 把               | 0       |
| limit        | 注水上下限           | produc  |
| Block        | 块               | 0       |
| yyMMdd       | 年（两位）月日         | dateTyI |
| yyww         | 年（两位）周          | dateTyI |
| GY001        | 工艺问题            | Abnorr  |



| Value                        | Text          | ParentC  |
|------------------------------|---------------|----------|
| Concrete                     | 商砼            | 0        |
| Consumables                  | 低值易耗品         | 0        |
| AAAAAAA                      | 000           | keydefi  |
| Special                      | 特级            | 0        |
| Subcontract                  | 分包            | 0        |
| S2003                        | SDLKFJSDOWE   | resouce  |
| L                            | Line          |          |
| Reel                         | 卷             | 0        |
| dutytime_cs2                 | CS2班          | dutytin  |
| Other                        | 其他            | 0        |
| SA01X                        | 192.168.124.4 | SA       |
| machine_error                | 设备故障          | errorale |
| 23                           | 23            | 234234   |
| DS                           | 敦实            | DS_Shi   |
| FlatMold                     | 平模            | PartNa   |
| Strip                        | 条             | 0        |
| Fan                          | 扇             | 0        |
| 0003                         | 缺陷材料          | BLLB     |
| Bag                          | 袋             | 0        |
| ApprovalUnPass               | 审批未通过         | 0        |
| Branch                       | 支             | 0        |
| 1                            | 正常工单          | LotType  |
| Receive_Default_Warehouse_PC | DW3           | System   |

| Value          | Text                                                                                                                              | ParentC |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------|---------|
| S2006          | 324                                                                                                                               | resoucc |
| CubicMeter     | 立方米                                                                                                                               | 0       |
| ApprovalPass   | 审批通过                                                                                                                              | 0       |
| 01             | 加焊维修                                                                                                                              | BLLB    |
| KG             | 公斤                                                                                                                                | 0       |
| R              | Resource                                                                                                                          |         |
| kanban_one     | 来料检验IQC看板                                                                                                                         |         |
| kanban_four    | 可视化看板                                                                                                                             |         |
| pp01           | pp测试                                                                                                                              | pptest  |
| pcs            | pcs                                                                                                                               |         |
| Stock          | 采购                                                                                                                                | 0       |
| Sheet          | 张                                                                                                                                 | 0       |
| ValidateSystem | <a href="http://192.168.2.252/k3cloud/ERPGW.asmx?op=ValidateSystem">http://192.168.2.252/k3cloud/ERPGW.asmx?op=ValidateSystem</a> | url     |
| Suit           | 套                                                                                                                                 | 0       |
| Create         | <a href="http://120.77.80.245:56800/TT/Create">http://120.77.80.245:56800/TT/Create</a>                                           | url     |
| labelType03    | 标签类别3                                                                                                                             | labelTy |
| E01S           | 192.168.103.106                                                                                                                   | BD2     |
| Turnover       | 周转材料                                                                                                                              | 0       |
| Single         | 只                                                                                                                                 | 0       |
| 3              | 绑定条码                                                                                                                              | searchC |
| readFile       | D:\SC Data\Baymax\Json                                                                                                            | hbl-sc  |
| Piece          | 个                                                                                                                                 | 0       |

| Value                 | Text            | ParentC  |
|-----------------------|-----------------|----------|
| SquareMeters          | 平方米             | 0        |
| Item                  | 件               | 0        |
| UnderThree            | 三级及以下           | 0        |
| 1                     | 1               | BillingL |
| 2026                  | 转机失速            | resouce  |
| kanban_three          | 备料看板            |          |
| cm                    | 厘米              | Produc   |
| Turnover              | 周转材料            | 0        |
| ssl                   | 1               |          |
| Consume               | 消耗材料            | 0        |
| 0002                  | 使用记录            | Unique   |
| G08Z                  | 192.168.104.101 | BD1      |
| ApprovalUnPass        | 审批未通过           | 0        |
| G15Z                  | 192.168.104.111 | BD1      |
| litre                 | 升               | Measur   |
| ZA02X                 | 192.168.101.202 | GX       |
| Customer              | 客户              |          |
| Sheet                 | 张               | 0        |
| M                     | 月(一位)           | dateTyI  |
| YL_BOX_CUSTOMER_COLOR | 不同客户产品颜色        | YL_BO>   |
| kanban_six            | 批退率看板           | KanBar   |
| 312                   | 312             |          |
| G06Z                  | 192.168.104.109 | QJ1      |

| Value                         | Text              | ParentC |
|-------------------------------|-------------------|---------|
| 2029                          | 线路短路              | resouce |
| Stock                         | 采购                | 0       |
| Consume                       | 消耗材料              | 0       |
| 转线D挡                          | 10                | TurnTir |
| FBTA5                         | 治具                | fbt_cos |
| Two                           | 二级                | 0       |
| yww                           | 年(一位)周(两位)        | dateTy  |
| 2032                          | 按钮失效              | resouce |
| fbt_cost_pet                  | 保护膜622            | fbt_cos |
| G07Z                          | 192.168.104.110   | QJ1     |
| Receive_Default_Warehouse_PDA | DW3               | System  |
| 1.0                           | 1.0               | PAD_U   |
| C                             | Cell              |         |
| 2030                          | 外观老化              | resouce |
| Root                          | 根                 | 0       |
| JH001                         | 计划异常              | Abnorr  |
| isCheckSn                     | productExtendName |         |
| 2025                          | 线路老化              | resouce |
| handle                        | 把                 | 0       |
| yyyyMMdd                      | 年(四位)月日           | dateTy  |
| slice                         | 片                 | 0       |
| KG                            | 公斤                | 0       |
| HundredPieces                 | 百个                | 0       |

| Value               | Text            | ParentC |
|---------------------|-----------------|---------|
| ZA01X               | 192.168.101.203 | GX      |
| One                 | 一级              | 0       |
| slice               | 片               | 0       |
| handle              | 把               | 0       |
| 产出                  | 产出              | PayKin  |
| passOpenSAPCharging | 是否DIP上料核对       | keyvalu |
| Single              | 只               | 0       |
| type001             | 开模              | Docum   |
| CubicMeter          | 立方米             | 0       |
| DMPMC               | PMC             | HRDM    |
| Test                | 测试              | lotExte |
| 0                   | 条码              | searchC |
| JXT_HourMoney_15    | 15时薪            | JXT_Hc  |
| SP_BARCODE_IMPORT   | 检查条码是否已经导入      | flowcoi |
| Bottle              | 瓶               | 0       |
| FdErrCode_01        | 不卷带             | Feeder  |
| dutytime_a          | A班              | dutytin |
| One                 | 一级              | 0       |
| S2000               | 压力不足            | resouci |
| slice               | 片               | 0       |
| Strip               | 条               | 0       |
| textpor             | 11              | produc  |
| Piece               | 个               | 0       |

| Value          | Text    | ParentC |
|----------------|---------|---------|
| Ton            | 公吨      | Measur  |
| Bag            | 袋       | 0       |
| Turnover       | 周转材料    | 0       |
| tooling        | 工装      |         |
| 312            | 312     |         |
| level2         | 2级      | produc  |
| Branch         | 支       | 0       |
| 88             | yyy     | keydefi |
| S              | Station |         |
| Rent           | 租赁      | 0       |
| Root           | 根       | 0       |
| 2034           | 轴承变形    | resoucc |
| szjj           | 深圳江机专用  | sys_tas |
| yyyy           | 年       | dateTyp |
| Stock          | 采购      | 0       |
| ApprovalUnPass | 审批未通过   | 0       |
| Machine        | 机械配件    | 0       |
| 0002           | 改模      | Resour  |
| m              | 米       | Produc  |
| level2         | 2级      | incomi  |
| Barrel         | 桶       | 0       |
| Default        | 发货目标仓   | DS_Del  |
| dutytime_cs4   | CS4班    | dutytin |

| Value                    | Text                                            | ParentC |
|--------------------------|-------------------------------------------------|---------|
| kanban_test              | 仓库备料看板                                          | KanBar  |
| Unapproved               | 未审批                                             | 0       |
| level6                   | 6级                                              | produc  |
| One                      | 一级                                              | 0       |
| check_oqc                | 是否检验OQC                                         | keyvalu |
| E04S                     | 192.168.103.104                                 | BD2     |
| G                        | g                                               | Measur  |
| PKGID                    | PKGID条码                                         | BindNa  |
| W                        | Workcenter                                      |         |
| Two                      | 二级                                              | 0       |
| FBT111                   | 治具                                              | fbt_cos |
| Purchase_Rk              | http://地址/k3cloud/ERPGW.asmx?<br>op=Purchase_Rk | url     |
| G00Z                     | 192.168.104.113                                 | QJ1     |
| dutytime_b               | B班                                              | dutytin |
| Stock                    | 采购                                              | 0       |
| Miscellaneous_collection | MR                                              | Docum   |
| searchCombo              | 综合查询下拉                                          | BindNa  |
| HundredPieces            | 百个                                              | 0       |
| Plate                    | 盘                                               | 0       |
| Top                      | 顶                                               | 0       |
| outCode                  | 出厂编码                                            | reelExt |
| E07S                     | 192.168.103.107                                 | BD2     |

| Value       | Text | ParentC |
|-------------|------|---------|
| 2022        | 螺丝脱落 | resouce |
| 2028        | 缺胶   | resouce |
| Subcontract | 分包   | 0       |



# 数据字典类型

| code               | name  |
|--------------------|-------|
| BillingUnit        | 计费周期  |
| ContractType       | 合同类型  |
| DownDataType       | 数据方式  |
| imagePart          | 完工佐证  |
| BuildingCategories | 建筑分类  |
| BD2                | A2编带  |
| DisposalType       | 处置物类别 |
| KeyProjects        | 重点工程  |
| BLLB               | 不良类别  |
| DisposalWay        | 处置方式  |
| ContractType       | 合同类型  |
| MaterialType       | 材料类型  |
| SupplyType         | 供应类型  |
| CompanyCategory    | 公司分类  |
| productLevel       | 产品等级  |
| hbl-sc             | 华宝利   |
| bqxq               | 标签需求  |
| Nature             | 资源性质  |
| yb                 | 压边    |
| HY_Defets          | 不良信息  |
| HRDM               | 责任部门  |

| code                   | name    |
|------------------------|---------|
| Single                 | 委外进货单别  |
| area                   | 地域      |
| PayType                | 付款方式    |
| ContractType           | 合同类型    |
| Nature                 | 资源性质    |
| States                 | 状态类型    |
| Nature                 | 资源性质    |
| quadratic_element      | 二次元编号   |
| PayKind                | 支付方式    |
| SupplyType             | 供应类型    |
| DownDataType           | 数据方式    |
| QualityRequire         | 质量要求    |
| Education              | 学历      |
| PouringWay             | 浇筑方式    |
| PayKind                | 支付方式    |
| area                   | 地域      |
| PartAttr               | 项目属性    |
| States                 | 状态类型    |
| QualificationLevel     | 资质等级    |
| UniqueCodeDocumentType | 唯一码文档类型 |
| mfyq                   | 密封要求    |
| productExtendName      | 产品扩展维护  |
| Bad_type               | 不良类型    |

| code              | name    |
|-------------------|---------|
| KeyProjects       | 重点工程    |
| useArea           | 使用区域    |
| MeasureUnit       | 计量单位    |
| CM                | 下拉列表    |
| ApprovalStatus    | 审批状态    |
| QualityRequire    | 质量要求    |
| sys_task_types    | 定时任务分类  |
| CompanyCategory   | 公司分类    |
| AbnormalType      | 异常分类    |
| searchCombo       | 综合查询下拉  |
| MerchantsProperty | 客商属性    |
| mb                | 磨边      |
| keyvaluedefind    | 全局键值定义  |
| Caliper           | 卡尺      |
| ppjpplx           | PP胶品牌类型 |
| tooling_property  | 工装属性    |
| BusinessType      | 企业性质    |
| url               | 访问地址    |
| imagePart         | 完工佐证    |
| Education         | 学历      |
| ApprovalStatus    | 审批状态    |
| MeasureUnit       | 计量单位    |
| QualityRequire    | 质量要求    |

| code                  | name       |
|-----------------------|------------|
| DisposalWay           | 处置方式       |
| ApprovalStatus        | 审批状态       |
| DisposalType          | 处置物类别      |
| FundSource            | 资金来源       |
| fx                    | 方向         |
| GX                    | 工型粘接设备     |
| QualificationLevel    | 资质等级       |
| FundSource            | 资金来源       |
| PouringWay            | 浇筑方式       |
| LotType               | 工单类型       |
| mailcenter            | 邮件中心       |
| MerchantsProperty     | 客商属性       |
| Micrometer            | 千分尺编号      |
| TurnTime              | 转线时间档位     |
| Pricing               | 计价方式       |
| DS_Delivery_Warehouse | 敦实发货目标仓    |
| BuildingCategories    | 建筑分类       |
| KeyProjects           | 重点工程       |
| PartAttr              | 项目属性       |
| PouringWay            | 浇筑方式       |
| QualificationLevel    | 资质等级       |
| FeederFailureTypes    | Feeder故障类型 |
| lotExtend             | 工单拓展       |

| code                 | name     |
|----------------------|----------|
| YL_BOX               | 颖利箱号     |
| MaterialUse          | 材料用途     |
| imagePart            | 完工佐证     |
| DS_Shipment_Factory  | 敦实出货工厂   |
| DisposalWay          | 处置方式     |
| dutytime             | 班次       |
| fbt_cost             | 非比特成本项目  |
| JXT_HourMoney        | 景欣泰时薪    |
| lpyq                 | 料盘要求     |
| resouce_alert_reason | 设备异常原因定义 |
| erroralert           | 异常警报     |
| XIAOMI_QM            | 青米出货地    |
| SA                   | 色环粘接设备   |
| incomingLevel        | 来料等级     |
| QJ1                  | A1切角1    |
| DownDataType         | 数据方式     |
| reelExtendAttr       | 唯一码扩展属性  |
| fbt_cost_detail      | 菲比特成本明细  |
| FundSource           | 资金来源     |
| Education            | 学历       |
| MerchantsProperty    | 客商属性     |
| Documentprefix       | 单据前缀维护   |
| productExtend        | 产品拓展     |

| code              | name   |
|-------------------|--------|
| flowconditions    | 流程节点条件 |
| BusinessType      | 企业性质   |
| PayType           | 付款方式   |
| BD1               | A1编带   |
| KanBanCategory    | 看板分类   |
| dateType          | 日期类型   |
| xx                | 选项     |
| resouce_alert_def | 设备异常定义 |
| MerchantsProperty | 客商属性   |
| BillingUnit       | 计费周期   |
| PartAttr          | 项目属性   |
| ApprovalStatus    | 审批状态   |
| lossCause         | loss原因 |
| area              | 地域     |
| Logistics_Company | 物流公司   |
| lotExtendName     | 工单拓展维护 |
| MaterialUse       | 材料用途   |
| BillingUnit       | 计费周期   |
| PAD_Upgrade       | PAD更新  |
| PayType           | 付款方式   |
| DisposalType      | 处置物类别  |
| ys                | 颜色     |
| Pricing           | 计价方式   |

| code                 | name       |
|----------------------|------------|
| BuildingCategories   | 建筑分类       |
| QualificationLevel   | 资质等级       |
| MaterialType         | 材料类型       |
| BindName             | 关联规则名称     |
| MaterialUse          | 材料用途       |
| Pricing              | 计价方式       |
| clhp                 | 材料牌号       |
| labelType            | 标签类别       |
| SZJJMaterialtype     | 江机物料类型     |
| 666                  | 6666       |
| MaterialType         | 材料类型       |
| MeasureUnit          | 计量单位       |
| System_configuration | 系统配置项      |
| BusinessType         | 企业性质       |
| ProductUnit          | HYXC产品单位   |
| States               | 状态类型       |
| PayKind              | 支付方式       |
| dmfs                 | 镀镍方式       |
| SupplyType           | 供应类型       |
| hyxc_jier            | 恒源新材极耳生产设备 |
| LS_KnifePath         | 乐苏-切割刀路    |
| Testing_tool         | 测试工具       |
| cx                   | 朝向         |

| code                  | name   |
|-----------------------|--------|
| MeasureUnit           | 计量单位   |
| pptest                | PP     |
| LabelCategory         | 标签分类   |
| bm                    | bm     |
| PartName              | 部件名称   |
| OricoUint             | 元创单位   |
| ResourcesDocumentType | 资源文档类型 |
| CompanyCategory       | 公司分类   |
| MaterialType          | 材料类型   |
|                       |        |
|                       |        |
| fbs                   | 分判商    |



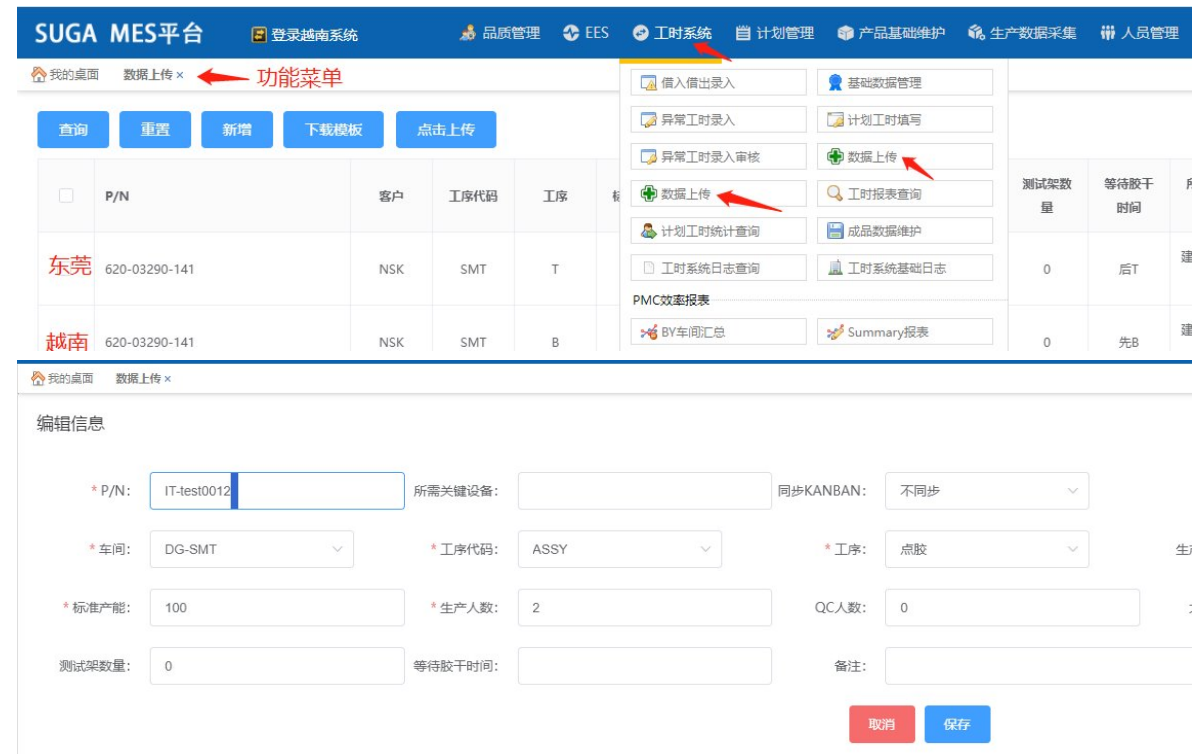
# 信佳客制化业务记录

## 信佳客制化功能

1.智能维修系统，单独的端口，MES送智能维修，在智能维修系统维修，同时也支持MES进行维修



2.工时系统，单独端口 用来记录人员工时，以及异常工时录入，SMT转线时间也会记录



涉及数据采集软件，用于生成各个车间的报表数据

均维智慧工厂-数据采集V1.7.2 240523AI

工厂

信佳电子

车间

AI车间

线体

A01

工位

A01-AI卧式

工单

MT24041703

工序

AI卧式

COM口

COM11

读取数据批次大小

4

=配置工位信息=

工单总数

10000

过站数

4

差异数

9996

停止采集

3.料表解析软件，解析料表文件

SUGA上料表自动解析系统V1.3.2

系统设置

共享文件夹配置

文件夹连接测试

[日志文件](#) 解析接口 日志接口

运行

正在运行

停止

状态

8/13/2024 9:18:00 AM [正在处理第121个文件][成功:121,失败:0,错误:0] 开始抓取主机【127.0.0.1】数据...

4.视源车间看板，组包看板，东莞越南

5.设备点检系统，设备点检，点检报表，看板，仪器校准，校准文件上传（支持批量上传，下载），工装寿命管控（PDA界面按工单扣数，手动扣数，固定扣数）等



6.物料追溯报表

| 条码 | 工单号             | 线体          | 贴片页             | 机贴号 | 料台 | 站位 | 料号  | 供应商            | 接收时间             | 物料UID               | DateCode(接收)    | 上料时间       | 推送时间                | 料号(推送)         | DateCode(推送) | 制造物料号         | 制造商     | 物料凭证编号         | 收货数量     |
|----|-----------------|-------------|-----------------|-----|----|----|-----|----------------|------------------|---------------------|-----------------|------------|---------------------|----------------|--------------|---------------|---------|----------------|----------|
| 1  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 3  | 1  | 16  | 705-TR00108    | Amnet Europe BV. | 2023-03-10 09:24:11 | UID230310000065 | 06-12-2022 | 2023-03-10 10:24:21 | TRANS NPN 45V  |              | BC817-25-215  | NXP     | 4902771769-00C | 399000   |
| 2  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 2  | 1  | 12  | 705-CC00728(X) | Amnet Europe BV. | 2023-03-10 09:23:41 | UID230310000064 | 29-11-2022 | 2023-03-10 10:24:21 | CAP CER SMD 1C |              | GRM31CR6VA10  | MURATA  | 4902758413-00C | 174000   |
| 3  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 3  | 1  | 112 | 705-CC00653    | Amnet Europe BV. | 2023-03-10 09:06:51 | UID230310000061 | 08-12-2022 | 2023-03-10 10:24:21 | CAP CER SMD 0. |              | CC0603KRX7R7B | VAGOE   | 4902781603-00C | 11000000 |
| 4  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 3  | 1  | 113 | 705-CC00653    | Amnet Europe BV. | 2023-03-10 08:56:31 | UID230310000060 | 08-12-2022 | 2023-03-10 10:24:21 | CAP CER SMD 0. |              | CC0603KRX7R7B | VAGOE   | 4902781603-00C | 21240000 |
| 5  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 13  | 705-RQ00631    | Amnet Europe BV. | 2023-03-10 03:46:11 | UID230310000046 | 08-12-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-071K | VAGOE   | 4902782279-00C | 15700000 |
| 6  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 3  | 1  | 10  | 705-CV02002    | Amnet Europe BV. | 2023-03-10 00:03:31 | UID230310000003 | 06-09-2022 | 2023-03-10 10:24:21 | CRYSTAL 12MHz  |              | CX32255812000 | KYOCERA | 4902590281-00C | 3000     |
| 7  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 9   | 705-RQ00108    | Amnet Europe BV. | 2023-03-10 00:01:41 | UID230310000002 | 08-10-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-073H | VAGOE   | 4902648806-001 | 30000    |
| 8  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 108 | 705-CC00601    | 厦门富和达电子有限公司      | 2023-03-09 23:07:01 | UID230309000184 | 02-02-2023 | 2023-03-10 10:24:21 | CAP CER SMD 0. |              | CC0603KRX7R9B | VAGOE   |                |          |
| 9  | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 115 | 705-CC00690    | Amnet Europe BV. | 2023-03-09 23:04:31 | UID230309000182 | 24-11-2022 | 2023-03-10 10:24:21 | CAP CER SMD 0. |              | CC0603KRX7R9B | VAGOE   | 4902750515-00C | 56000    |
| 10 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 4  | 2  | 2   | 705-RC02246    | Amnet Europe BV. | 2023-03-09 23:03:11 | UID230309000181 | 08-09-2022 | 2023-03-10 10:24:21 | IC MICROCONT   |              | R75721031VCBG | RENESAS | 4902594990-00C | 6866     |
| 11 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 117 | 705-RQ00751    | Amnet Europe BV. | 2023-03-09 23:01:41 | UID230309000180 | 26-09-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-0715 | VAGOE   | 4902635745-00C | 10000    |
| 12 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 118 | 705-RQ00752    | Amnet Europe BV. | 2023-03-09 23:00:21 | UID230309000179 | 02-09-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-0720 | VAGOE   | 4902587491-00C | 15000    |
| 13 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 119 | 705-RQ00796    | Amnet Europe BV. | 2023-03-09 22:58:31 | UID230309000178 | 08-12-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-0743 | VAGOE   | 4902779891-00C | 30000    |
| 14 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 120 | 705-RQ00868    | Amnet Europe BV. | 2023-03-09 22:57:31 | UID230309000177 | 24-06-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-0752 | VAGOE   |                |          |
| 15 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 123 | 705-CC00795    | Amnet Europe BV. | 2023-03-09 22:55:31 | UID230309000176 | 13-04-2021 | 2023-03-10 10:24:21 | CAP CER SMD 4. |              | CC0603JRNPOH  | VAGOE   |                |          |
| 16 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 1  | 1  | 122 | 705-CC00657    | Amnet Europe BV. | 2023-03-09 22:54:01 | UID230309000175 | 06-12-2022 | 2023-03-10 10:24:21 | CAP CER SMD 4i |              | CC0603JRNPOH  | VAGOE   | 4902772859-00C | 20000    |
| 17 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 2  | 1  | 9   | 705-CC00672    | Amnet Europe BV. | 2023-03-09 22:52:41 | UID230309000174 | 08-12-2022 | 2023-03-10 10:24:21 | CAP CER SMD 0. |              | CC0603KRX7R9B | VAGOE   | 4902781840-00C | 12000    |
| 18 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 2  | 1  | 113 | 705-RQ00707    | Amnet Europe BV. | 2023-03-09 22:51:01 | UID230309000173 | 08-12-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-0722 | VAGOE   | 4902781866-00C | 50000    |
| 19 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 2  | 1  | 122 | 705-RQ00985    | Amnet Europe BV. | 2023-03-09 22:48:11 | UID230309000171 | 31-05-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-0722 | VAGOE   |                |          |
| 20 | SA2023030907465 | 31000181893 | SMT-L3-Inforce1 | T   | 2  | 1  | 123 | 705-RQ00109    | Amnet Europe BV. | 2023-03-09 22:46:31 | UID230309000170 | 08-12-2022 | 2023-03-10 10:24:21 | RES SMD 0603 1 |              | RC0603FR-0747 | VAGOE   | 4902778864-00C | 125000   |

7.拼版条码检查接口，用于设备获取条码所在的工单产品信息，以及整个拼版的信息

接口名称 getSerialPanelList

8.MSD管控功能，物料从SAP同步过来，获取SAP的湿敏相关信息，在上架，分盘，合盘，uid打印，备料（亮灯模式），PCK上料，安卓端MSD操作界面均予以修改支持，另外，增加MSD条码查询界面，支持修改烘烤条件，以及扫描uid同步烘烤条件

SUGA VN MES平台

物料信息看板报表内部报表基础设置帮助中心系统设置

11/黄文宏

我的桌面

用户管理

MSD条码履历查询

修改烘烤标准

同步SAP烘烤条件 (库存中) 扫描uid同步SAP烘烤条件 (不检查状态)

开始时间

2024-11-20

结束时间

2024-11-21

查询

清空

|    | 条码状态 | 条码                 | 物料编码              | 物料名称                                             | 索引料号 | 等级 | 厚度 | 物料 | 60℃烘烤时间 | 90℃烘烤时间 |
|----|------|--------------------|-------------------|--------------------------------------------------|------|----|----|----|---------|---------|
| 1  | 库存中  | 020103220509000112 | 041-00170-1J3     | CAP(SMD) 10 nF 10V 10% X/R 0603 RoHS2.0          |      |    |    |    |         |         |
| 2  | 已出库  | 4902016687-00171   | A30-007950-073    | GRM18B31E105KA75D CAPACITOR (RoHS) Ro            |      |    |    |    |         |         |
| 3  | 上线   | 240223100222417    | 151-505286-00     | MSL1, IC(SMD) VOLT REG LDO 3V0 S-817A30.         |      |    |    |    |         |         |
| 4  | 已出库  | 220909173410338    | 193-107185-00     | SW TACT SPST OFF-MOM RA TH T/R RoHS2.0           |      |    |    |    |         |         |
| 5  | 已出库  | 020103220730000175 | 151-00010-1J3     | IC Inverter Dual Open Drain, 1.65-5.5V SC88 RoHS |      |    |    |    |         |         |
| 6  | 库存中  | VMEE5D20001-491    | Tooling-mm-000209 |                                                  |      |    |    |    |         |         |
| 7  | 上线   | 02010324042000217  | 041-102179-00     | CAP 3300P 0603 10% 50V XTR RoHS                  |      |    |    |    |         |         |
| 8  | 上线   | 200003449679       | 041-00190-2F3     | CAP(SMD) 0.1UF 50V 5% XTR 0603 T/R RoHS2         |      |    |    |    |         |         |
| 9  | 库存中  | 220610102841092    | 121-00020-673     | TRAN(SMD) NCHAN 60V 12A 20Vgs SOT23 Ro           |      |    |    |    |         |         |
| 10 | 库存中  | 020103220531000099 | 075-00010-1J3     | Transformer Pulse LAN 10/100B-TX SMD Module      |      |    |    |    |         |         |
| 11 | 耗尽   | 200003134623       | 011-00090-673     | RES(SMD) 1K 5% 1/16W 200PPM 0603 RoHS            |      |    |    |    |         |         |
| 12 | 待上线  | 4901934141-001112  | A30-002906-098-01 | WR06X103JTL RESISTOR (RoHS) RoHS                 |      |    |    |    |         |         |
| 13 | 上线   | 231017142159189    | 233-00180-673     | CONNECTOR(SMD) 6P 1.25mm VERT LATCH TI           |      |    |    |    |         |         |
| 14 | 上线   | 020103220509000200 | 011-101534-00     | RES(SMD) TF 10K 0402 1/16W +/-5% RoHS            |      |    |    |    |         |         |
| 15 | 已出库  | 020103230826000117 | 011-1011460-00    | Res- 82ohm 1/16W 5% 0402 RoHS                    |      |    |    |    |         |         |
| 16 | 上线   | UID230726000116    | 041-102470-00     | CAP TANT 10U 3216-18 10% 16V RoHS                |      |    |    |    |         |         |
| 17 | 上线   | 4903178498-00153   | 041-00150-2C3     | CCAP IN XTR K 50V 0402 reel RoHS2.0              |      |    |    |    |         |         |
| 18 | 上线   | 020103230518000384 | 091-104330-00     | DIO(SMD) ESD TPD1E6B06 XCISON RoHS               |      |    |    |    |         |         |

20

共30552页

显示1到20,共611037记录

©2018 - 2024 东莞信佳客制化技术有限公司

9.拼版条码自动替换软件，支持OCR自动识别传入母版和要替换的子版进行替换

均维智慧工厂-SMT数据采集V1.0

— □ ×

工厂

信佳电子

线体

SMT-Line15

COM口

COM1

车间

均维测试虚拟车间

工位

SMT-L15-AOI

工序

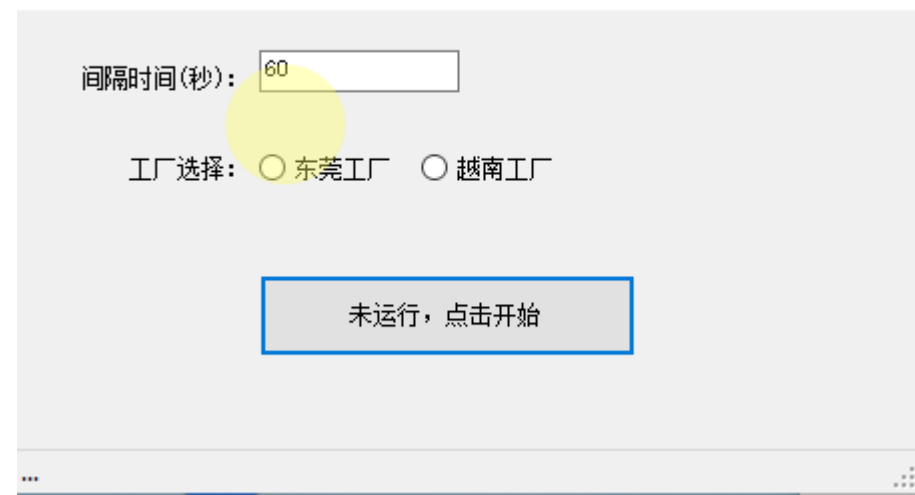
07-AOI检测-TOP

配置工位信息=

OK, 条码TE231108002过站成功, 下一站:

停止采集

10.好料回仓软件 目前此软件只执行再次发料逻辑，好料回仓逻辑已转移到PDA备料亮灯模式  
信佳物料自动同步软件V2.6 - 均维科技



11.站点数据采集优化

扫描工单带出绑定的工序工位

上料界面支持过站扫描，水位管控，按产品预警，提醒接料



12.PDA对料功能，按照工位工单，一个工位可以提前核对多个工单的物料，网页站点数据采集同步修改，切换工单不下料，只有点刷新料表才会下料

信佳客制化业务记录

我的主页

我的数据看板

工段提醒

【车间】均修测试返修车间、线体：4F粗装01、工段：4F粗装01-装配、工序：确定1、设备：1

设置声音

SOP

上料

最新物料

最新上料记录

最新料单

上料图片

提示：请及时接料

| 状态 | 唯一码                  | 条数 | 料号            | 替代料           | 用量 | 辅料 | 物料描述                           | 供应模式 |
|----|----------------------|----|---------------|---------------|----|----|--------------------------------|------|
|    |                      | 0  |               | 436-00011-165 | 2  |    | UA084 PCBA assembly + Water bu |      |
|    | 50001241108113518497 | 27 | 121-00700-153 |               | 1  |    | TRANS(MD) DR2C123J0L RoHS      |      |

所属单号：

MT20241019-01

查询

使用工单

所属产品：

MT20241010

工单类型：

量产工单

PASS数量：

0

组包-罗技工艺

流程01

工艺流程：

流程01

自检结果：

☒PASS

☐FAIL

数据收集方式：

人工/扫描输入

采集状态：

未采集

过站条码：

提交数据

重置

开始采集

结束采集

# 硕贝德集团客制化业务记录

## 1.惠州硕贝德

### 天线平台

1. wms支持小数
  2. 维修不良类别改为数据字典维护的三个维修类型
  3. 制程检验增加末检
  4. 飞达扫描支持PDA安卓版
  5. 整机测试 上位机开发
  6. 供应商平台支持扫描外协厂的送货条码转换为天线的物料

### 智联平台

1. WMS支持小数
  2. 工艺支持分支流程
  3. 维修按条码已过工序进行回流
  4. IQC检验按产品编码带出上次检验模板
  5. 完工入库可以取天线完工的产品，写入到智联数据库
  6. 制程检验增加末检
  7. 上料按产品限制最大上料盘数
  8. X\_BAR图增加零件编号查询

|                     |                 |       |     |                     |      |     |                     |      |     |
|---------------------|-----------------|-------|-----|---------------------|------|-----|---------------------|------|-----|
| 我的桌面 SPC检验          |                 |       |     |                     |      |     |                     |      |     |
| 刷新 新增 编辑 删除 导出Excel |                 |       |     |                     |      |     |                     |      |     |
| SPC单号:              | 零件编号 11111      |       |     | 制作日期:               |      | 查询  | 清空                  |      |     |
| 1                   | SPC单号           | 零件编号  | 制件人 | 制作时间                | 确认状态 | 确认人 | 确认时间                | 审核状态 | 审核人 |
|                     | SPC202317185532 | 11111 | lzh | 2023-01-07 18:56:18 | 已确认  | lzh | 2023-01-07 18:56:19 | 未审核  |     |

## 2.苏州硕贝德

1. 流转卡模式，支持批量装箱，满装箱数量自动拆分
  2. 支持流转卡拆分合并
  3. 流转卡履历报表，良率报表
  4. 温控材料上料拦截，未完成回温不允许上料
  5. 站点数据采集线体选择需和工艺的描述名称一致

### 3.苏州凯尔

---

1. 增加两个表单，专门为森萨塔客户做IQC检验
2. XML文件解析