

**MES系統與ERP系統資料對接協定說明**

## 接口URL定義

測試接口URL:

[**http://oa.zksoft.net:8083/MESService.asmx**](http://oa.zksoft.net:8083/MESService.asmx?WSDL)

GET傳參: http://oa.zksoft.net:8083/MESService.asmx/ WrMesData?jsonStr=""

POST傳參: http://oa.zksoft.net:8083/MESService.asmx?op=WrMesData

## 1.料件基本資料

**1.1 新增(修改)料件基本資料**

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項AddPart |
| PartNo | varchar(100) | 料件編號,不可為空；料件已存在則修改 |
| PartName | varchar(200) | 料件名稱,不可為空 |
| Spec | varchar(200) | 規格,可為空 |
| GroupCode | varchar(10) | 主分群碼,可為空 |
| Units | varchar(5) | 單位,可為空 |
| GroupCode2 | varchar(10) | 料件類型分群碼,不可為空；MB(成品)、FB(成品)、.CARBON (原料粉)、.FILLER(原料粉)、.CHEMICAL原料粉、.OIL(原料油)、.POLYMER(原膠) |
| FmbPartNo | varchar(100) | FB對應的MB料號 |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":"AddPart",  "PartNo":"ZNO01",  "PartName":"氧化鋅01",  "Spec":"",  "GroupCode":"",  "Units":"",  "GroupCode2":".CARBON",  "FmbPartNo":""  } |

成功返回結果:

|  |
| --- |
| {"Result":"Y","Msg":"OK"} |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"原料編號不可為空"} |

### 1.2 刪除料件基本資料

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項DelPart |
| PartNo | varchar(100) | 料件編號,不可為空 |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":"DelPart",  "PartNo":"ZNO01"  } |

成功返回結果:

|  |
| --- |
| {"Result":"Y","Msg":"OK"} |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"料件編號不存在"} |

## 2.工單資料

### 2.1 **新增(修改)工單資料**

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項AddWorkOrder |
| WorkOrderNo | varchar(100) | 工單編號,不可為空;工單已存在則修改 |
| OrderType | varchar(10) | 工單型態,不可為空,FB/MB |
| FormDate | varchar(10) | 工單日期,不可為空,YYYY/MM/DD  如: 2019-04-22 |
| ProductNo | varchar(100) | 產品編號,不可為空;在料件基本資料中必須存在 |
| OrderWeight | decimal(18,4) | 工單重量,不可為空;單位kg |
| OrderNo | varchar(100) | 訂單編號,可為空 |
| ItemNo | varchar(10) | 訂單項次,可為空 |
| CusNo | varchar(50) | 客戶編號,可為空 |
| CusName | varchar(100) | 客戶名稱,可為空 |
| Remark | varchar(255) | 備註,可為空 |
| ParentOrderNo | varchar(100) | 母工單號,可為空;只有工單型態為MB的工單才會有母工單號 |
| IsFQC | varchar(2) | FQC否 (Y/N),不可為空 |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":"AddWorkOrder",  "WorkOrderNo":"WON00001",  "OrderType":"MB",  "FormDate":"2021/07/08",  "ProductNo":"PMB001",  "OrderWeight":1000,  "OrderNo":"",  "ItemNo":"1",  "CusNo":"",  "CusName":"",  "Remark":"",  "ParentOrderNo":"",  "IsFQC":"Y"  } |

成功返回結果:

|  |
| --- |
| {"Result":"Y","Msg":"OK"} |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"工單形態,不可為空,FB/MB "} |

### 2.2 刪除工單資料

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項DelWorkOrder |
| WorkOrderNo | varchar(100) | 工單編號,不可為空 |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":"DelWorkOrder",  "WorkOrderNo":"WON00001"  } |

成功返回結果:

|  |
| --- |
| {"Result":"Y","Msg":"OK"} |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"工單編號不存在"} |

## 3.盤點單資料

### 3.1 **新增(修改)盘点单資料**

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項AddCheckSheet |
| SheetNo | varchar(100) | 盤點單號,不可為空; 盤點單已存在則修改 |
| FormDate | varchar(10) | 盤點日期,不可為空,YYYY/MM/DD |
| ItemNo | varchar(10) | 盤點單項次,可為空 |
| PartNo | varchar(100) | 料件編號,不可為空 |
| StoreNo | varchar(50) | 倉庫,可為空 |
| Units | varchar(5) | 單位,不可為空KG |
| StkQty | decimal(18,4) | 賬面數量,不可為空 |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":" AddCheckSheet",  "SheetNo":"CTN2107001",  "FormDate":"2021/07/08",  "SheetEntrys":  [{"ItemNo":"1",  "PartNo":"MT001",  "StoreNo":"WH001",  "Units":"KG",  "StkQty":600},  {"ItemNo":"2",  "PartNo":"MT002",  "StoreNo":"WH001",  "Units":"KG",  "StkQty":800}]  } |

成功返回結果:

|  |
| --- |
| {"Result":"Y","Msg":"OK"} |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"料件編號MT001不存在"} |

### 3.2 刪除盘点单資料

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項DelCheckSheet |
| SheetNo | varchar(100) | 盤點單號,不可為空 |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":"DelCheckSheet",  "SheetNo":"CTN2107001"  } |

成功返回結果:

|  |
| --- |
| {"Result":"Y","Msg":"OK"} |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"盤點單號不存在"} |

## 4.工單機器工時資料

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項QueryWorkTime |
| StartDate | varchar(10) | 開始日期,不可為空,YYYY/MM/DD |
| EndDate | varchar(10) | 截止日期,不可為空,YYYY/MM/DD |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":"QueryWorkTime",  "StartDate":"2021/07/08",  "EndDate":"2021/07/09"  } |

返回結果格式:**JSON**

成功返回結果示例:

|  |
| --- |
| {  "Result":"Y",  "Msg":"OK",  "WorkTimeEntrys":  [{"ItemNo":1,  "WorkOrderNo":"A11180110001",  "FormDate":"2021/07/08",  "DataType":"2",  "DataValue":23.5},  {"ItemNo":2,  "WorkOrderNo":"A11180110001",  "FormDate":"2021/07/08",  "DataType":"3",  "DataValue":15},  {"ItemNo":3,  "WorkOrderNo":"A11180110001",  "FormDate":"2021/07/09",  "DataType":"2",  "DataValue":25.9},  {"ItemNo":2,  "WorkOrderNo":"A11180110001",  "FormDate":"2021/07/09",  "DataType":"3",  "DataValue":18.8}]  } |

成功結果參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| ItemNo | int | 項次 |
| WorkOrderNo | varchar(100) | 工單編號 |
| FormDate | varchar(10) | 生產日期,YYYY/MM/DD |
| DataType | varchar(2) | 工時類別(1.人工 2.機器 3.用電(度數) |
| DataValue | decimal(10,2) | 人工&機器小時/用電度數 |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"查詢日期內無數據"} |

## 5.調撥單資料

### 5.1 **新增調撥单資料**

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項AddTransfer |
| [RequestNo](javascript:;) | varchar(100) | 領料單號,可為空;由領料單發起的調撥單此項不可為空 |
| TransferNo | varchar(100) | 調撥單號,不可為空; 調撥單無法修改 |
| FormDate | varchar(10) | 調撥日期,不可為空,YYYY/MM/DD |
| ItemNo | varchar(10) | 調撥單項次,可為空 |
| PartNo | varchar(100) | 料件編號,不可為空 |
| Barcode | varchar(100) | 料件條碼,不可為空 |
| StoreFrom | varchar(50) | 撥出倉庫,可為空 |
| StoreTo | varchar(50) | 撥入倉庫,可為空 |
| Units | varchar(5) | 單位,不可為空KG |
| Qty | decimal(18,4) | 數量,不可為空 |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":"AddTransfer",  "[RequestNo](javascript:;)":"SR2107001",  "TransferNo":"ST2108001",  "FormDate":"2021/07/08",  "TransferEntrys":  [{"ItemNo":"1",  "PartNo":"MT001",  "Barcode":"BR001",  "StoreFrom":"WH001",  "StoreTo":"W01",  "Units":"KG",  "Qty":600},  {"ItemNo":"2",  "PartNo":"MT002",  "Barcode":"BR002",  "StoreFrom":"WH001",  "StoreTo":"W01",  "Units":"KG",  "Qty":800}]  } |

成功返回結果:

|  |
| --- |
| {"Result":"Y","Msg":"OK"} |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"料件編號MT001不存在"} |

### 5.2 **刪除調撥单資料**

請求參數說明:

|  |  |  |
| --- | --- | --- |
| **參數** | **資料類型** | **說明** |
| Option | varchar(50) | 操作選項DelTransfer |
| TransferNo | varchar(100) | 調撥單號,不可為空; |

請求參數格式:**JSON**

請求參數示例:

|  |
| --- |
| {  "Option":"DelTransfer",  "TransferNo":"ST2108001"  } |

成功返回結果:

|  |
| --- |
| {"Result":"Y","Msg":"OK"} |

失敗返回結果示例:

|  |
| --- |
| {"Result":"N","Msg":"調撥單號不存在"} |