

For Smart Factory



Operating |
User |

MANUAL



MES 3D

ERP + MES + SCADA

Auto & S.I

User Manual

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PMS

Pre Manufacturing System



Explain

I. Master Pre Manufacturing

Information on the list of master pre-production forms

Step by step:

1. Search function
2. Master Pre-production form information
3. Excel file download function
4. Click "Create" to create. See the next slide

	Semi Product	Cutting Tree	Tree Number...	Work Start Date	Work End Date	Target Weight	Actual Weight	Target Qty	Actual Qty	Status
<input type="checkbox"/>	MPMO/00013 (Semi-T4C3-(2.0-3.5)-17inch-18K... (Semi-HC-070(6.5)-18K-W-2.10gr...)	18K-W-GoldTree	2	05/03/2024 13:46:50	05/03/2024 13:46:50	0.00	372.00	100	20.00	Done
<input type="checkbox"/>	MPMO/00012 (Semi-MC-199(3.5X9)-18"-14k-3...)	18K-W-GoldTree	1	05/03/2024 12:58:56	05/03/2024 12:58:56	0.00	0.00	100	0.00	Created PMO
<input type="checkbox"/>	MPMO/00011 (Semi-T4C3-(2.0-3.5)-17inch-18K... (Semi-HC-070(6.5)-P-18K-W-2.1g...)	18K-W-GoldTree	2	04/03/2024 15:29:08	04/03/2024 15:29:08	0.00	0.00	100	0.00	In Progress
<input type="checkbox"/>	MPMO/00010 (Semi-T4C3-(2.0-3.5)-VN-17inch...)	18K-W-GoldTree	1	04/03/2024 09:20:09	04/03/2024 09:20:09	5,000.00	100,000.00	100	50.00	Done
<input type="checkbox"/>	MPMO/0000... (Semi-HC-070(6.5)-P-18K-W-2.1g... (Semi-T4C3-(2.0-3.5)-VN-17inch...)	18K-W-GoldTree	1	01/03/2024 15:40:37	01/03/2024 15:40:37	0.00	292.00	100	15.00	Done
<input type="checkbox"/>	MPMO/0000... (Semi-HC-070(6.5)-P-18K-W-2.1g...)	18K-W-GoldTree	1	29/02/2024 13:52:47	29/02/2024 13:52:47	100.00	62.00	100	10.00	Done
<input type="checkbox"/>	MPMO/00007 (S-HC-070(6.5)-18K-W-2.10gr-1.2... (S-HC-070(6.5)-18K-W-2.10gr-1.2... (S-HC-070(6.5)-18K-W-2.10gr-1.2... (S-HC-070(6.5)-18K-W-2.10gr-1.2... (S-HC-070(6.5)-18K-W-2.10gr-1.2...)	Silver TREE CUTTING	6	28/02/2024 16:59:44	28/02/2024 16:59:44	0.00	60.00	100	6.00	Done
<input type="checkbox"/>	MPMO/0000... (14K-W-GoldTree)	14K-W-GoldTree	4	28/02/2024 15:48:25	28/02/2024 15:48:25	0.00	0.00	100	0.00	Order
<input type="checkbox"/>	MPMO/00003 (Semi-T4C3-(2.0-3.5)-VN-17inch... (Semi-HC-070(6.5)-P-18K-W-2.1g...)	18K-W-GoldTree	3	28/02/2024 15:28:44	28/02/2024 15:28:44	0.00	442.00	100	20.00	Done
<input type="checkbox"/>	MPMO/00002 (Semi-T4C3-(2.0-3.5)-VN-17inch... (Semi-HC-070(6.5)-P-18K-W-2.1g...)	18K-W-GoldTree	2	28/02/2024 14:44:45	28/02/2024 14:44:45	0.00	0.00	100	0.00	In Progress
<input type="checkbox"/>	MPMO/00001 (Semi-T4C3-(2.0-3.5)-VN-17inch...)	18K TREE CUTTING	1	28/02/2024 09:37:52	28/02/2024 09:37:52	1000.00	0.00	100	0.00	In Progress

PMS

Pre Manufacturing System



Explain

Step by step:

1. The "Order" tab contains information about the target list of output semi-finished products for pre-production
2. Fill in information:
 - Product
 - Number
 - MMO#
 - Target Qty
3. Or click "Recast List" to select semi-finished products to wait for recasting
4. Tick to the semi-finished product and click "Confirm".
5. Click "Complete" to complete the process and change to the next state

I. Master Pre Manufacturing

Add a pre-production output quantity target

Master Pre Manufacturing /

✓ Save ✗ Discard

Cancel

MPMO #

Semi Cutting Tree

Target/Actual Weight

50000 /000 g Target/Actual Qty 1 /0 pcs

1 Order PMO

2

3

4

5

Print Labels Recast List Complete

Product	Number	MMO #	MMO Qty	Target Qty	UoM	Balance Qty	Remark
SEMI-T4C3-(20-3.5)-17inch-18K-W-25.02gr-512	0	0	0	10	pcs	0.00	
Add a line							

PMS

Pre Manufacturing System



Explain

Step by step:

1. At the “PMO” tab, after “Confirm”, the PMO list will automatically display after confirming the target. Each PMO will correspond to 1 process. The PMO list will automatically update on the “PMO” page.
2. Select in the information:
 - Item QC Form: PQC check function
 - Item QC: Tick if the process has Item QC check
 - PQC Check: Tick if the process has PQC check
 - Disposal: Check and return the remaining gold to recasting
3. Click “add” to add materials to use for the process
4. Select the material to use, then click “Confirm” to confirm.
5. Click “Complete” to continue.

I. Master Pre Manufacturing PMO Setting

The screenshot shows the 'Master Pre Manufacturing' interface. A modal window titled 'Add material' is open, showing 'PMO # PMO/00052' and 'Process Wax Tree'. The modal contains a table with one row for 'WaxResin' and a 'Confirm' button. A red dashed box highlights the modal. A red circle with the number '4' is next to the 'Confirm' button. Below the modal, a table lists PMO entries. A red circle with the number '1' is next to the 'PMO' tab. A red circle with the number '2' is next to the 'PQC Form', 'Item QC', 'PQC Check', and 'Disposal' columns. A red circle with the number '3' is next to the '+add' button in the table. A red circle with the number '5' is next to the 'Complete' button. A red circle with the number '4' is also next to the 'Confirm' button in the modal.

Reference	Process	Source Location	Destination Location	PQC Form	Item QC	PQC Check	Disposal	Actual Weight	Actual Qty	Material	Status
PMO/00052	Wax Tree	WH/Facil/Wax Tree	WH/Facil/Metal Tree	PQC Form				0.00	0	WaxResin	Draft
PMO/00053	Metal Tree	WH/Facil/Metal Tree	WH/Facil/Metal Tree Cutting	PQC Form				0.00	0	18K-W-GoldBar	Draft
PMO/00054	Metal Tree Cutting	WH/Facil/Metal Tree Cutting	WH/Facil/HM	PQC Form	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.00	0		Draft

PMS

Pre Manufacturing System



Explain

II. PMO (Pre Manufacturing Order)

Carry out the Wax Tree, Metal Tree and Cutting process

Step by step:

1. Click PMO in the list
 - PQC Form: PQC check form
 - Work Date
 - Target/Actual Weight.
3. Click "Save" to save
4. Click "Confirm" to confirm

Order **PMO**

Reference	Process	Source Location	Destination Location	PQC Form	Item QC	PQC Check	Disposal	Actual Weight	Actual Qty	Material	Status
PMO/00034	Wax Tree	WH/Fac1/Wax Tree	WH/Fac1/Metal Tree	PQC Form	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.00	0.00	WaxResin	Draft
PMO/00035	Metal Tree	WH/Fac1/Metal Tree	WH/Fac1/Cutting	PQC Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.00	0.00	18K-W-GoldBar	Draft
PMO/00036	Metal Tree Cutting	WH/Fac1/Cutting	WH/Fac1/HM	PQC Form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.00	0.00		Draft

Master Pre Manufacturing / MPMO/00014 / PMO/00034

PMO # PMO/00034

PQC Form PQC Form

Semi Cutting Tree 18K-W-GoldTree

Location WH/Fac1/Wax Tree → WH/Fac1/Metal Tree

Target/Actual Weight 1.00 / 0.00 g

Source Document MPMO/00014

Process Wax Tree

Work Date 08/03/2024 10:04:48 → 06/03/2024 10:04:48

Target/Actual Qty 1.00 / 0.00 pcs

Order	Item	Standby	Operation
MPMO/00014	Semi-T4C3-(20-3.5)-VN-17inch-18k-25.02g-w-12pcs-5.12ct		

MPMO #	Product	Number	MMO #	MMO Qty	Target Qty	UoM
MPMO/00014	Semi-T4C3-(20-3.5)-VN-17inch-18k-25.02g-w-12pcs-5.12ct	5		0.00	500.00	pcs

PMS

Pre Manufacturing System



Explain

Step by step:

1. The "Item" tab contains information about the list of materials to use
2. Material list information
3. Click "Check" to proceed with adding lots and entering the input quantity
4. Fill in the information :
 - Lot No
 - Received Weight

Then click "Confirm" to continue.

II. PMO (Pre Manufacturing Order)

Add input materials to the process

Receive Item

MPMO/PMO: MPMO/00014 / PMO/00034
Process: Wax Tree
Product: SEMI-18K-W-GoldTree-WAX-20240306111639
Target Weight: 1.00

Item	Lot No	From	Stock Qty	Received Weight	UoM	Confirmation Date
WaxResin	LOT WAXRESIN	WH/Fac1/Wax Tree	9,986.00	1.00	g	06/03/2024 13:29:17

Confirm Close

Semi Cutting Tree

PQC Form: PQC Form
Process: Wax Tree
Work Date: 06/03/2024 10:04:48 → 06/03/2024 10:04:48
Location: WH/Fac1/Wax Tree → WH/Fac1/Metal Tree
Target/Actual Qty: 100 / 0.00 pcs

Order: **Item** Standby Operation

Item	Lot No	From	Stock Qty	Received Weight	UoM	Confirmation Date	Status
WaxResin	LOT WAXRESIN	WH/Fac1/Wax Tree	9,986.00	1.00	g	06/03/2024 13:29:17	Done

Check

PMS

Pre Manufacturing System



Explain

II. PMO (Pre Manufacturing Order)

Add workers, machines, and molds to the process

Step by step:

1. At the “Standby” tab
2. Điền các thông tin:
 - Step
 - Name/Code
 - Start Date
 - End Date
3. Then click “Save” to save

Master Pre Manufacturing / MPMO/00023 / PMO/00052

1/1 < >

3

Drft **In Progress** Done

PMO #	PMO/00052	Source Document	MPMO/00023
PQC Form	PQC Form	Process	Wax Tree
Semi Cutting Tree	1BK-W-GoldTree	Work Date	04/04/2024 08:39:23 → 04/04/2024 08:39:23
Location	WH/Fac/Wax Tree → WH/Fac/Metal Tree	Target/Actual Qty	1 / 0 pcs
Target/Actual Weight	1.00 / 0.00 g		

1 **Standby** Operation

2

Step	Name/Code	Start Date	End Date	Before Weight	After Weight	Status
Wax tree - Man	Đào Thành Đặng X	04/04/2024 08:52:16			0.00	Not Yet

Add a line

Before & After

PMS

Pre Manufacturing System



Explain

II. PMO (Pre Manufacturing Order)

Enter the weight before and after production

Step by step:

1. Click the “Before & After” button
2. Fill in Before Weight and After Weight.
3. Then click “Confirm” to confirm.

Before & After

MPMO # MPMO/00010 Before Uom pcs
PMO # PMO/00033 After Uom pcs
Operation & Level Wax Tree & Level 1 Step Count 1
Product SEMI-18KWGOLDTREE-WAX

Level Step	Staff	Before Weight	Record Date	After Weight	Record Date
1 Wax Tree	Nguyễn Hoàng Căn	0.00		0.00	

Confirm Close

Actual Weight 100 / 000 g

Order Item **Standby** Operation

Step	Name/Code	Start Date	End Date	Before Weight	After Weight	Status
Wax tree - Man	Đào Thành Đăng	04/04/2024 08:52:16			0.00	Not Yet

Add a line

PMS

Pre Manufacturing System



Explain

II. PMO (Pre Manufacturing Order)

Create actual weight

Step by step:

1. At the "Operation" tab. Actual weight & qty information will be automatically updated after entering weight after weighing in the "Standby" tab.
2. Click "Actual" to edit
3. Fill in information Actual Weight. Then click "Confirm".

Master Pre Manufacturing /

✓ Save ✕ Discard

Actual Item

MPMO/PMO: MPMO/00023 / PMO/00052 Process: Wax Tree
Product: SEMI-18K-W-GoldTree-WAX-20240404085109 Target/Actual Weight: 100 / 0.00 g

Product	Actual Weight	Actual Qty	UoM	Confirm Date	Status
SEMI-18K-W-GoldTree-WAX-20240404085109	500.00 g	1	pcs		Waiting for Lot

PMO #
PQC Form
Semi Cutting Tree
Location
Target/Actual Weight

Confirm Close

Order Item Standby **1** Operation

Actual Lot Print labels **2**

Semi Product	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Confirm Date	Status
SEMI-18K-W-GoldTree-WAX-20240404085109	500.00 g		1	pcs			Waiting for Lot

PMS

Pre Manufacturing System



Explain

II. PMO (Pre Manufacturing Order)

Check PQC of output semi-finished products

Step by step:

1. Click the “PQC” button to conduct the check
2. Select semi lot from the list
3. Fill in the result information after checking. Then click “Submit” to confirm

Quality Checks Popup

MMO #	MO #	Product	QC Form	Lot Qty	Not Yet
MPMO/00014	PMO/00034	SEMI-18K-W-GoldTree-WAX-20240306111639	PQC Form	1	1

No	Actual Qty	Create Date	Status
1	500	2024-03-06 06:29:17	Not Yet

Staff	OK g	NG g	OK pcs	NG pcs	Date	Judgement
my	495	5	1		06/03/24	OK

QC Type	QC Process	QC Code	Method	Frequency	Input	Judgement
Visual PQC	PQC	Missing Wax	By eyes	Check All	5	OK
Visual PQC	PQC	Unformed	By eyes	Check All	0	OK
Visual PQC	PQC	Unformed Bezel/Component	By eyes	Check All	0	OK
Visual PQC	PQC	Bubble/Crack/Deform	By eyes	Check All	0	OK
Visual PQC	PQC	Burr/ Water drop	By eyes	Check All	0	OK
Visual PQC	PQC	Poor Workmanship Soldering/Filing	By eyes	Check All	0	OK
Visual PQC	PQC	Over grinding	By eyes	Check All	0	OK
Visual PQC	PQC	Others	By eyes	Check All	0	OK

SUBMIT **CLOSE**

Target/Actual Weight 100 / 0.00 g

Order Item Standby Operation

Semi Product	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Confirm Date	Status
SEMI-18K-W-GoldTree-WAX-20240306111639	500.00 g		100	pcs		06/03/2024 14:13:49	Waiting for QC

QC **Actual** **Print labels**

PMS

Pre Manufacturing System



Explain

II. PMO (Pre Manufacturing Order)

Create lot of semi-finished products

Step by step:

1. Click "Lot" to create
2. Select "Create" to confirm lot creation
3. Click "Print labels" to print QR

Master Pre Manufactu

Edit + Create

2

Create Close

PMO #

PQC Form PQC Form Process Wax Tree

Semi Cutting Tree 18K-W-GoldTree Work Date 04/04/2024 09:03:51 → 04/04/2024 09:03:51

Location WH/Fac/Wax Tree → WH/Fac/Metal Tree Target/Actual Qty 1 / 0 pcs

Target/Actual Weight 100 / 0.00 g

Order Item Standby Operation

1 3

Actual Lot Print labels

Semi Product	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Confirm Date	Status
SEMI-18K-W-GoldTree-WAX-20240404090426	500.00 g		1	pcs		04/04/2024 09:04:56	Waiting for Lot

PMS

Pre Manufacturing System



Explain

Step by step:

1. Click the “Return NG” button to return
2. Click “Confirm” to confirm creating the return form.

II. PMO (Pre Manufacturing Order)

Return semi-finished NG products to the repair warehouse

Master Pre Manufacturing

[Edit](#) [+ Create](#)

[Completes PMO](#)

PMO #

PQC Form

Semi Cutting Tree

Location

Target/Actual Weight

Order Item Standby [Operation](#)

Return NG

MPMO/PMO: MPMO/00025 / PMO/00055 Process: Wax Tree

Target/Actual Weight: 1.00 / 500.00 g Target/Actual Qty: 1 / 1 pcs

Product: SEMI-18K-W-GoldTree-WAX-20240404090426 Create as 1 Return Order:

Lot/Serial Number	Return Order	From	To	Actual Weight	UoM	Actual Qty	UoM
WAX-5.0g-0pcs-240404-001		WH/Fac1/Wax Tree		5.00 g		0 pcs	

[Confirm](#) [Close](#)

[Return NG](#) [Print labels](#)

Semi Product	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Confirm Date	Status
SEMI-18K-W-GoldTree-WAX-20240404090426	500.00 g		1 pcs		(WAX-495.0g-1pcs-240404-001) (WAX-5.0g-0pcs-240404-001)	04/04/2024 09:04:56	Done

PMS

Pre Manufacturing System



Explain

II. PMO (Pre Manufacturing Order)

Disposal process (return of remaining gold amount)

Step by Step:

1. Proceed by clicking the “Disposal” button.
2. Weight of received gold tree – the weight of the cut product is displayed. Press the “R” button to move the remaining amount to MES > MMS > Recasting List.
3. Close the window by pressing the “Close” button.
4. Click the “Complete” button to complete the MPMO.

The screenshot shows the 'Disposal' window in the PMS. It contains the following information:

- MPMO/PMO:** MPMO/00132 / PMO/00456
- Process:** Metal Tree Cutting
- Product:** 18K-W-GoldTree
- Target/Actual Weight:** 1.00 / 15.00 g

Item	From	Lot Code	Received Weight	UoM	Used Qty	Remain Qty	Remark
SEMI-18K-W-GOLDTREE-CAS_TRE-20240612152527	WH/Fac1/Metal Tree Cutting	CAS_TRE-2152g-240612-001	21.52 g		15.00	6.52	Input

Callout 2 points to the 'R' button in the 'Remark' column.

At the bottom of the window, there are buttons for 'Save', 'Close', 'Disposal', 'Return NG', and 'Print labels'. Callout 1 points to the 'Disposal' button.

Below the window, the 'Master Pre Manuf' form is visible. It includes fields for 'PMO #', 'PQC Form', 'Semi Cutting Tree', 'Location', and 'Target/Actual Weight'. Callout 3 points to the 'Close' button, and callout 4 points to the 'Complete' button.

At the bottom of the main form, there is a table with columns: 'Semi Product', 'Actual Weight', 'UoM', 'Actual Qty', 'UoM', 'Lot Code', 'Confirm Date', and 'Status'. The table contains one row with the following data:

Semi Product	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Confirm Date	Status
SEMI-HC-070(6.5)-18K-W-2.10gr-120	15.00 g		20 pcs		HC-070(6.5)-18K-W-2.10gr-120-...	06/12/2024 15:28:03	Done

Callout 1 points to the 'Disposal' button in the bottom right corner of the main form.

PMS

Pre Manufacturing System



Explain

III. Alloy

Alloy production list information

Step by step:

1. Search function
2. Alloy production order information
3. Excel file download function
4. Click "Create" to create. See the next slide.

	FG Product	Product Code	Process	Scheduled Date	Origin Qty	Target Weight	Actual OK Weight	Status	Created by	Created on
<input type="checkbox"/>	MQ/00172	18K-W-GoldBar	Alloy	06/03/2024 10:10:58	0.00	1,000.00	997.00	Done	Administrator	06/03/2024 10:11:26
<input type="checkbox"/>	MQ/00151	Silver Alloy	Alloy	05/03/2024 13:03:46	0.00	0.00	0.00	In Process	Administrator	05/03/2024 13:03:51
<input type="checkbox"/>	MQ/00145	18K-W-GoldBar	Alloy	04/03/2024	0.00	0.00	0.00	In Process	Administrator	04/03/2024 18:52:34
<input type="checkbox"/>	MQ/00144	18K-W-GoldBar	Alloy	04/03/2024 18:48:07	0.00	0.00	0.00	In Process	Administrator	04/03/2024 18:48:16
<input type="checkbox"/>	MQ/00143	18K-W-GoldBar	Alloy	04/03/2024 18:42:07	0.00	100.00	0.00	In Process	Administrator	04/03/2024 18:42:18
<input type="checkbox"/>	MQ/00142	18K-W-GoldBar	Alloy	04/03/2024 18:00:43	0.00	250.20	325.00	Done	Administrator	04/03/2024 18:00:58
<input type="checkbox"/>	MQ/00131	18K-W-GoldBar	Alloy	04/03/2024 14:40:04	0.00	100.00	98.00	Done	Administrator	04/03/2024 14:40:22
<input type="checkbox"/>	MQ/00099	18K-Y-GoldBar	Alloy	01/03/2024 12:57:55	0.00	1,000.00	1,326.60	In Process	Administrator	01/03/2024 12:58:28
<input type="checkbox"/>	MQ/00058	Silver Alloy	Alloy	29/02/2024 12:54:24	0.00	1,000.00	100.00	In Process	Administrator	29/02/2024 12:54:30
<input type="checkbox"/>	MQ/00057	Silver Alloy	Alloy	29/02/2024 12:53:25	0.00	1,000.00	0.00	In Process	Administrator	29/02/2024 12:53:32
<input type="checkbox"/>	MQ/00054	18K-W-GoldBar	Alloy	29/02/2024 12:41:07	0.00	100.00	99.00	Done	Administrator	29/02/2024 12:41:25
<input type="checkbox"/>	MQ/00053	Silver Alloy	Alloy	29/02/2024 12:34:33	0.00	1,000.00	500.00	In Process	Administrator	29/02/2024 12:35:01
<input type="checkbox"/>	MQ/00051	18K-W-GoldBar	Alloy	29/02/2024 12:34:04	0.00	100.00	99.00	Done	Administrator	29/02/2024 12:34:28
<input type="checkbox"/>	MQ/00048	14K-W-GoldBar	Alloy	29/02/2024 09:44:08	0.00	1,000.00	100.00	Done	Administrator	29/02/2024 09:44:18
<input type="checkbox"/>	MQ/00047	18K-W-GoldBar	Alloy	29/02/2024 09:21:48	0.00	100.00	99.00	Done	Administrator	29/02/2024 09:22:07
<input type="checkbox"/>	MQ/00046	18K-W-GoldBar	Alloy	29/02/2024 09:10:35	0.00	1,000.00	998.00	Done	Administrator	29/02/2024 09:11:41
<input type="checkbox"/>	MQ/00023	18K-W-GoldBar	Alloy	28/02/2024 14:21:57	0.00	1,000.00	1.00	Done	Administrator	28/02/2024 14:22:10
<input type="checkbox"/>	MQ/00021	18K-W-GoldBar	Alloy	28/02/2024 14:03:41	0.00	1,000.00	996.00	Done	Administrator	28/02/2024 14:04:21
<input type="checkbox"/>	MQ/00010	18K-W-GoldBar	Alloy	28/02/2024 10:53:02	0.00	1,000.00	999.00	Done	Administrator	28/02/2024 10:53:13

PMS

Pre Manufacturing System



Explain

III. Alloy

Create Alloy Work Orders

Step by Step:

1. Enter relevant information:
_ Product alloy type designation
_ BOM Designate the BOM version of the relevant alloy
_ Target / Actual Weight Target / Actual Weight
_ Work Date Work date
2. Confirm by pressing the “Confirm” button.

MES KPI PMS QMS MMS Repair Scrap Process Closing Report Lot/Serial Number

Alloy / New

Save Discard

Confirm 2 Draft In Progress Done

WO List

Product 18K-W-GoldBar Process & Level

BOM 18K-W-GoldBar - AU9999-LUX105 Created Date

Target / Actual Weight 1000 / 0.00 g Work Date 06/12/2024 08:00:00 → 06/12/2024 20:00:00

OK / NG Weight 0.00 / 0.00 g Line

Location →

Item Standby Operation

Item	Lot No	From	Stock Qty	Estimate	Received Weight	OK Weight	NG Weight	UoM	Confirmation Date
------	--------	------	-----------	----------	-----------------	-----------	-----------	-----	-------------------



III. Alloy

Enter input materials

Step by Step:

1. Proceed in the "Item" tab.
2. Display of materials registered in BOM.
3. Click the "Check" button to open the incoming material information window.
4. Enter relevant information:
 _ Lot No Lot Code
 _ Received Weight
 _ Received Qty Quantity received
5. Confirm by pressing the "Confirm" button.

** The "Estimate" column displays the estimated amount of gold and alloy needed compared to the target weight.

✖ Receive Item
✕

MMO#		Product	18K-W-GoldBar
MO#	MO/01175	Target Weight	1,000.00 g
Process & Level	Alloy & Level 0	Target Qty	1.00 pcs

Item	Lot No	From	Stock Qty	Received Weight	UoM	Confirmation Date
ALY-LUX105-18K/14K-W	ALY-LUX105-18...	WH/Fac1/Alloy	502.78	250.00 Input	g	
AU9999	aaaa	WH/Fac1/Alloy	2,250.00	750.00 Input	g	

MES

Alloy / MO/
Save
Confirm
Close

1/51
<
>

Product: 18K-W-GoldBar

BOM: 18K-W-GoldBar - AU9999-LUX105

Target / Actual Weight: / 0.00 g

OK / NG Weight: 0.00 / 0.00 g

Location: WH/Fac1/Alloy → WH/Fac1/Metal Tree

Process & Level: Alloy & Level 0

Created Date: 06/12/2024 16:21:14

Work Date: →

Line:

Item
Standby
Operation
Setting

Check

Item	Lot No	From	Stock Qty	Estimate	Received Weight	OK Weight	NG Weight	UoM	Confirmation Date	Status
ALY-LUX105-18K/14K-W		WH/Fac1/Alloy	0.00	250.00	0.00	0.00	0.00	g		Waiting for Check Qty
AU9999		WH/Fac1/Alloy	0.00	750.00	0.00	0.00	0.00	g		Waiting for Check Qty

PMS

Pre Manufacturing System



Explain

Step by Step:

1. Proceed in the "Operation" tab. The actual weight and quantity values are automatically displayed as the values entered in the previous step.
2. Can be modified by pressing the "Actual" button.
3. Actual weight, actual quantity, good quantity, defective quantity can be modified.
4. Confirm by pressing the "Confirm" button.
5. Issue lot by pressing "Detail" button.

III. Alloy

Enter actual weight and quantity after work

Actual

MMO# | Process & Level | Alloy & Level 0
MO# | Target / Actual Weight | 200.00 / 100.00 g
Product | 18K-W-GoldBar | Can Be Produced Weight | 266.666 g

Alloy / MO/00

Edit

Actual Item

Cancel

No	Actual Weight	OK Weight	NG Weight	Created on	Status
1	100.00	100.00	0.00	04/04/2024 09:17:44	Waiting for Lot

Product

BOM

Target / Actual

OK / NG Weight

Location

Confirm Close

1

Item Standby Operation Setting

2

Actual

5

No	Actual Weight	OK Weight	NG Weight	Created on	Status
1	105.00	100.00	5.00	04/04/2024 09:17:44	Waiting for Lot

Detail

PMS

Pre Manufacturing System



Explain

III. Alloy

Create Lot code

Step by Step:

1. Proceed from the “OK” tab.
2. Click the “Lot” button to open a pop-up.
3. Issue lots by pressing the “Create” button

Alloy / MO/00192 / 2

Target / Actual Weight 105.00 / 0.00 g

OK / NG Weight 100.00 / 5.00 g

Product 18K-W-GoldBar

BOM 18K-W-GoldBar - AU9999-FLEXIA162

Work Date 04/04/2024 09:17:44

Process & Level Alloy & Level 0

Target / Actual Weight 105.00 / 0.00 g

OK / NG Weight 100.00 / 5.00 g

OK NG

To	Lot/Serial Number	Weight	Created on	State

PMS

Pre Manufacturing System



Explain

III. Alloy

Alloy Work Order Completed

Step by Step:

1. Complete the alloy work order by pressing the “Complete MO” button.

Alloy / MO/00192 / 2 / MO/00192

[Edit](#) [+ Create](#) [Action](#) 1/1 < >

[Cancel](#) [Complete MO](#) [Draft](#) [In Progress](#) [Done](#)

1

1 Shipping WO List

Product	18K-W-GoldBar	Process & Level	Alloy & Level 0
BOM	18K-W-GoldBar - AU9999-FLEXIA162	Created Date	04/04/2024 09:17:42
Target / Actual Weight	200.00 / 105.00 g	Work Date	04/04/2024 08:00:00 → 04/04/2024 20:00:00
OK / NG Weight	100.00 / 5.00 g	Line	
Location	WH/Fac/Alloy → WH/Fac/Metal Tree		

Item Standby **Operation** Setting [Actual](#)

No	Actual Weight	OK Weight	NG Weight	Created on	Status	
1	105.00	100.00	5.00	04/04/2024 09:17:44	Done	Detail

PMS

Pre Manufacturing System



Explain

IV. Rubber Mold

Information on rubber mold production list

Step by step:

1. Information on Rubber Mold Creation Commands
2. Press the “Create” button to proceed with creating the rubber mold

MES KPI PMS QMS MMS Repair Scrap Process Closing Report KPI Dashboard TV

Rubber Mold

Search_

+ Create

Filters Group By Favorites 1-10 / 10

MMO#	MO# ▲	FG Product	Product Code	Process	Scheduled Date	Origin Qty	Target Weight	Actual OK Weight	Status	Created by	Created on
	MO/00199	R-TN-1160-20+1		Rubber	04/04/2024 11:18:35	0.00	200.00	0.00	Draft	my	04/04/2024 11:18:51
	MO/00189	R-HC-070(6.5)-18K-W-2.10gr-120+1		Rubber	04/04/2024 08:00:42	0.00	0.00	10.00	In Progress	KHC	04/04/2024 08:08:16
	MO/00142	R-TN-1160-20+1		Rubber	04/03/2024 10:07:33	0.00	0.00	0.00	In Progress	Administrator	04/03/2024 10:07:37
	MO/00136	R-TN-1160-20+1		Rubber	04/03/2024 08:53:34	0.00	0.00	15.00	Done	Administrator	04/03/2024 08:53:41
	MO/00135	R-TN-1160-20+1		Rubber	04/03/2024 08:50:59	0.00	0.00	30.00	Done	Administrator	04/03/2024 08:51:06
	MO/00134	R-TN-1160-20+1		Rubber	04/03/2024 08:47:24	0.00	0.00	0.00	In Progress	Administrator	04/03/2024 08:47:28
	MO/00133	R-TN-1160-20+1		Rubber	04/03/2024 08:44:15	0.00	0.00	0.00	In Progress	Administrator	04/03/2024 08:44:25
	MO/00123	R-TN-1160-20+1		Rubber	04/02/2024 16:38:06	0.00	0.00	10.00	Done	Administrator	04/02/2024 16:38:09
	MO/00122	R-TN-1160-20+1		Rubber	04/02/2024 16:35:19	0.00	0.00	0.00	Cancelled	Administrator	04/02/2024 16:35:46
	MO/00033	R-TB-FC(LT)-082+1		Rubber	03/29/2024 13:58:36	0.00	5.00	5.00	Done	Administrator	03/29/2024 13:59:06

PMS

Pre Manufacturing System



Explain

IV. Rubber Mold

Check the input materials

Step by step:

1. After confirming, the materials to be checked will be displayed.
2. Press the button to proceed with checking the input materials

MES KPI PMS QMS MMS Repair Scrap Process Closing Report KPI Dashboard TV

Rubber Mold / MO/00202

Save Discard 1/1 < >

Cancel Complete MO Draft In Progress Done

WO List

Product Mold Model: R-TN-1160-20
Product: R-TN-1160-20+1
Item QC / PQC Form: Item QC Form /
Target / Actual Weight: 100 / 0.00 g
OK / NG Weight: 0.00 / 0.00 g
Location: WH/Fac1/Mockup → WH/Mold

Process & Level: Rubber & Level 0
Target / Actual Qty: 100 / 0.00 pcs
OK / NG Qty: 0.00 / 0.00 pcs
Created Date: 04/04/2024 12:35:15
Work Date: 04/04/2024 08:00:00 → 04/04/2024 20:00:00
Line:

Item Standby Operation Setting

Check

Item	Lot No	From	Stock Qty	Received Weight	OK Weight	NG Weight	UoM	Received Qty	OK Qty	NG Qty	UoM	Confirmation Date	Status	Only Check	
<input type="checkbox"/>	Rubber Resin	Rubber Resin Manual	WH/Fac1/Mockup	999,984.00	100	0.00	0.00 g	100	0.00	0.00	pcs	04/04/2024 12:35:16	Done	<input type="checkbox"/>	
<input type="checkbox"/>	S-T4C3-(2.0-3.5... S-T4C3-(2.0-3.5)-17L...	WH/Fac1/Mockup	15.00		0.00	0.00		100	0.00	0.00	pcs		Waiting for Check Qty	<input checked="" type="checkbox"/>	

Add a line

1

2



IV. Rubber Mold

Add rubber mold worker

Step by step:

1. In the Standby tab, display the mold worker.
2. Add information about the mold worker

Rubber Mold / MO/00202

Save Discard 1/1 < >

Cancel Complete MO Draft In Progress Done

WO List

Product Mold Model R-TN-1160-20 Process & Level Rubber & Level 0

Product R-TN-1160-20+1 Target / Actual Qty 100 / 0.00 pcs

Item QC / PQC Form Item QC Form / OK / NG Qty 0.00 / 0.00 pcs

Target / Actual Weight 100 / 0.00 g Created Date 04/04/2024 12:35:15

OK / NG Weight 0.00 / 0.00 g Work Date 04/04/2024 08:00:00 → 04/04/2024 20:00:00

Location WH/Facil/Mockup → WH/Mold Line

1

Item Standby Operation Setting

Before & After

Level	Step	Name/Code	Start Date	End Date	Before Weight	After Weight	Gap	Check Status
1	Rubber - Man	Huỳnh Văn Trĩa Nguyễn Thị Ngọc Dân	04/04/2024 12:35:16					Not Yet

Add a line

PMS

Pre Manufacturing System



Explain

IV. Rubber Mold

Register the actual quantity of the product for which the process has been completed

Step by Step:

1. Proceed in the "Operation" tab.
2. Click the "Actual" button to open the information input window for the item.
3. Enter actual production quantity of rubber mold.
4. Confirm by pressing the "Confirm" button.

Actual

MMO# Process & Level Rubber & Level 0
MO# MO/01202 Target / Actual Qty 1.00 / 1.00
Product R-OV-(8.OX6.0)-CN-42CM-14K-2.06GR-W-1-13CT+2

No	Actual Qty	OK Qty	NG Qty	Created on	Status
1	1.00	1.00	0.00	06/13/2024 17:06:07	Done

MES

Rubber Mc

Edit

Cancel Confirm Close

Location WH/Faci/Mockup → WH/Mold Created Date 06/13/2024 17:06:06 Work Date 06/13/2024 08:00:00 → 06/13/2024 20:00:00 Line

Item Standby Operation Setting

No	Actual Qty	OK Qty	NG Qty	Created on	Status
1	1.00	1.00	0.00	06/13/2024 17:06:07	Done

Actual

Detail

PMS

Pre Manufacturing System



Explain

IV. Rubber Mold

Create Lot code

Step by Step:

1. Click the "Detail" button to proceed with lot code issuance.

MES KPI PMS QMS MMS Repair Scrap Process Closing Report KPI Dashboard TV

Rubber Mold / MO/00202

Edit Create Action 1/1 < >

Cancel Complete MO Draft In Progress Done

WO List

Product Mold Model	R-TN-1160-2.0	Process & Level	Rubber & Level 0
Product	R-TN-1160-2.0+1	Target / Actual Qty	1.00 / 1.00 pcs
Item QC / PQC Form	Item QC Form /	OK / NG Qty	0.00 / 0.00 pcs
Target / Actual Weight	1.00 / 30.00 g	Created Date	04/04/2024 12:35:15
OK / NG Weight	30.00 / 0.00 g	Work Date	04/04/2024 08:00:00 → 04/04/2024 20:00:00
Location	WH/Facil/Mockup → WH/Mold	Line	

Item Standby Operation Setting

Actual

No	Actual Weight	OK Weight	NG Weight	Actual Qty	OK Qty	NG Qty	Created on	Status	
1	30.00	30.00	0.00	1.00	1.00	0.00	04/04/2024 12:35:16	Waiting for Lot	Detail 1

PMS

Pre Manufacturing System



Explain

IV. Rubber Mold

Create Lot code

Create Lot x

Type Lot OK NG

Target / Actual Qty 2.00 / 0.00

OK / NG Qty 0.00 / 0.00

Actual Qty

Step by Step:

1. Proceed on the “OK” tab (the rubber mold is not defective).
2. Click the “Lot” button to open a pop-up.
3. Enter the number of lots to be issued according to the number of rubber molds produced.
4. Issue lot by pressing “Create” button.

MES KPI PMS QMS MMS Repair Scrap Process Closing Report Lot/Serial Number

Rubber Mold / MO/01196 / 2

Back Draft **Waiting for Lot** Waiting for Tray Done

MMO#		Product	R-OV-(8.0X6.0)-CN-42CM-14K-2.06GR-W-1-1.3CT+1
MO#	MO/01196	BOM	R-OV-(8.0X6.0)-CN-42CM-14K-2.06GR-W-1-1.3CT+1 - 2024-06-13 14:12:51
Work Date	06/13/2024 14:12:52	Process & Level	Rubber & Level O
		Target / Actual Qty	2.00 / 0.00
		OK / NG Qty	2.00 / 0.00

OK NG

To	Lot/Serial Number	Qty	Created on	State
----	-------------------	-----	------------	-------

1

2

4

3

PMS

Pre Manufacturing System



Explain

IV. Rubber Mold

Issuance of lot code for products whose process has been completed

Step by Step:

1. Display issued lot information.
2. QR label printing function.
3. Click the "Back" button to go to the main page.

MES KPI PMS QMS MMS Repair Scrap Process Closing Report Lot/Serial Number

Rubber Mold / MO/01196 / 2 / MO/01196 / 2 / MO/01196 / 2

Edit + Create Action 1/1 < >

Back 3 Draft Waiting for Lot Waiting for Tray Done

MMO#		Product	R-OV-(8.OX6.0)-CN-42CM-14K-2.06GR-W-1-13CT+1		
MO#	MO/01196	BOM	R-OV-(8.OX6.0)-CN-42CM-14K-2.06GR-W-1-13CT+1 - 2024-06-13 14:12:51		
Work Date	06/13/2024 14:12:52	Process & Level	Rubber & Level O		
		Target / Actual Qty	2.00 / 2.00		
		OK / NG Qty	2.00 / 0.00		

OK NG 2

Lot Print

To	Lot/Serial Number	Qty	Created on	State
WH/Mold	R-OV-(8.OX6.0)-CN-42CM-14K-2.06GR-W-1-13CT+1#1-240614 1	1.00	06/14/2024 08:15:30	Done
WH/Mold	R-OV-(8.OX6.0)-CN-42CM-14K-2.06GR-W-1-13CT+1#2-240614	1.00	06/14/2024 08:15:30	Done

PMS

Pre Manufacturing System



Explain

IV. Rubber Mold

Rubber mold work instructions completed

Step by Step:

1. Information display of rubber molds that have been produced.
2. Approve the completion of the rubber mold work order by pressing the “Complete MO” button.

The screenshot displays the PMS software interface for a Rubber Mold work order. The top navigation bar includes 'MES', 'KPI', 'PMS', 'QMS', 'MMS', 'Repair', 'Scrap', 'Process', 'Closing Report', and 'Lot/Serial Number'. The main header shows the work order path: 'Rubber Mold / MO/01196 / 2 / MO/01196 / 2 / MO/01196 / 2 / MO/01196'. Below this, there are buttons for 'Edit', '+ Create', and 'Action'. A secondary bar contains 'Cancel', 'Complete MO' (highlighted with a purple circle '2'), 'Draft', 'In Progress', and 'Done'. The main content area is divided into two columns: 'Product Mold Model' and 'Process & Level'. The 'Product Mold Model' column lists 'Product Mold Model', 'Product', 'Item QC / PQC Form', and 'Location'. The 'Process & Level' column lists 'Process & Level', 'Target / Actual Qty', 'OK / NG Qty', 'Created Date', 'Work Date', and 'Line'. The 'Rubber & Level 0' column lists 'Rubber & Level 0', 'Target / Actual Qty', 'OK / NG Qty', 'Created Date', 'Work Date', and 'Line'. At the bottom, there is a table with columns: 'No', 'Actual Qty', 'OK Qty', 'NG Qty', 'Created on', 'Status', and 'Detail'. The table contains one row with the following data: '1', '2.00', '2.00', '0.00', '06/13/2024 14:12:52', 'Done', and 'Detail'. A purple circle '1' is placed over the 'Created on' column of the first row. A red 'Actual' button is located at the bottom right of the table area.

No	Actual Qty	OK Qty	NG Qty	Created on	Status	Detail
1	2.00	2.00	0.00	06/13/2024 14:12:52	Done	Detail

PMS

Pre Manufacturing System



Explain

V. Silver Mold

Information on silver mold production list

SMO	Process	Mold Model	Created on	Work Start Date	Work End Date	Target Weight	Actual Weight	Actual OK Weight	Target Qty	Actual Qty	Actual OK Qty	Status
<input type="checkbox"/>	SMO/00011	Silver Mold	TEST123	05/08/2024 10:59:57	05/08/2024 10:59:49	3.00	200.00	200.00	100.00	2	2	Done
<input type="checkbox"/>	SMO/00009	Silver Mold	TEST123	05/02/2024 13:58:30	05/02/2024 13:47:02	100.00	100.00	95.00	3.00	2	2	Done
<input type="checkbox"/>	SMO/00007	Silver Mold	S-SILVERMOLD-TEST	04/25/2024 16:11:38	04/25/2024 16:11:34	100	60.00	60.00	0.00	2	2	Done
<input type="checkbox"/>	SMO/00006	Silver Mold	S-TN-1160-20	04/25/2024 13:09:29	04/25/2024 13:09:26	100	100	100	0.00	1	1	Done

Step by step:

1. Search function
2. Order information for creating silver molds
3. Excel file download function
4. Click "Create" to create. See the next slide.

PMS

Pre Manufacturing System



Explain

V. Silver Mold

Create silver molds

Step by step:

1. Fill in the information:
 - Product Mold Model
 - PQC Form
 - Target / Actual Weight
 - Target / Actual Qty
 - Work Date
2. Then click "Save"

2 Silver Mold / New

Save Discard

1

Product Mold Model Process

PQC Form PQC Form Work Date →

Location → Target/Actual Qty /

Target/Actual Weight /

Draft In Progress Done

Order Item Standby Operation

MPMO #	Product	Number	MMO #	MMO Qty	Target Qty	UoM	Remark

PMS

Pre Manufacturing System



Explain

V. Silver Mold

Confirmation of silver mold production

Step by step:

1. Then click "Confirm" to apply.

Silver Mold / SMO/00012

 Edit  + Create

 Print

 Action

5 / 5



1 Confirm

Draft

In Progress

Done

Product Mold Model TEST123 Process Silver Mold
PQC Form PQC Form Work Date 05/08/2024 11:03:57 → 05/08/2024 11:03:57
Location WH/Fac/Mockup → WH/Fac/Mockup Target/Actual Qty 3 / 0 pcs
Target/Actual Weight 100.00 / 0.00 g

Item Standby Operation

Item	Lot No	From	Stock Qty	Received W...	UoM	Confirmation Date	Status

PMS

Pre Manufacturing System



Explain

V. Silver Mold

Add input item

Receive Item

SMO: SMO/00012 Process: Silver Mold
Product: TEST123 Target Weight: 100.00

Item	Lot No	From	Stock Qty	Received Weight	UoM	Confirmation Date
SEMI-TEST123	Lot Semi Test123 Manual	WH/Fac1/Mockup	700.00	300	g	

4

5

Confirm Close

Step by step:

1. The "Item" tab contains information about the input list to use
2. Information on the list of inputs used for silver mold production
3. Click "Check" to add lots and enter input quantity and weight
4. Fill in the information:
 - Lot No
 - Received Weight
5. Then click "Confirm".

1 Item Standby Operation

2

Item	Lot No	From	Stock Qty	Received Weight	UoM	Confirmation Date	Status
SEMI-TEST123	Lot Semi Test123 Manual	WH/Fac1/Mockup	700.00	0.00	g		Waiting for Check Qty

3

Check

PMS

Pre Manufacturing System



Explain

Step by step:

1. At the "Standby" tab
2. Fill in the information:
 - Step: Bước
 - Name/Code
 - Start Date
 - End Date
3. Then click "Save" to save
4. Click the "Before & After" button to proceed with filling in weight information
5. Fill in Before Weight and After Weight information.
6. Then click "Save" to confirm.

V. Silver Mold

More workers make molds and check weights

The screenshot displays the PMS interface for Silver Mold management. It features a main 'Standby' tab and a 'Before & After' modal window.

Standby Tab (Step 1): Shows a table with columns: Step, Name/Code, Start Date, End Date, Before Weight, After Weight, Status. The table contains two rows:

Step	Name/Code	Start Date	End Date	Before Weight	After Weight	Status
Small Cutting - Man	Nguyễn Hoàng Căn	05/08/2024 11:07:40		0.00	0.00	Not Yet
Hand made - Man	Nguyễn Thị Hồng Thơ	05/08/2024 11:07:43		0.00	0.00	Not Yet

Before & After Modal (Steps 3-6): This modal is used to input weight information for a specific mold. It includes fields for SMO, Product, Process, UoM, and a table for recording weights.

Modal Fields:

- SMO: SMO/00012
- Product: TEST123
- Process: Silver Mold
- UoM: g

Modal Table:

Step	Staff	Before Weight	Record Date	After Weight	Record Date
Small Cutting - Man	Nguyễn Hoàng Căn	300.00		290.00	
Hand made - Man	Nguyễn Thị Hồng Thơ	290.00		280	

Buttons: The modal includes 'Save', 'Confirm', and 'Close' buttons. The main interface also has 'Save', 'Discard', and 'Cancel' buttons.



V. Silver Mold

Create actual weights for silver molds

Step by step:

1. At the "Operation" tab.
2. Click "Actual" to add weights
3. Fill in information Actual Weight
4. Then click "Confirm"

Silver Mold / SMO/00012

✓ Save ✕ Discard

Cancel

Product Mold Model

PQC Form

Location

Target/Actual Weight

Item Standby **1** Operation

3 Actual Item

SMO SMO/00012 Process Silver Mold

Product TEST123 Target/Actual Weight 100.00 / 0.00 g

Product	Actual Weight	UoM	Actual Qty	UoM	Confirm Date	Status
S-TN-1160-2.0+1	100.00 Input	g	1	pcs		Waiting for Actual
S-TB-FC(LT)-079+1	100	g	1	pcs		Waiting for Actual

4 Confirm Close

100.00

2 Actual Print labels

Semi Product	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Confirm Date	Status
S-TN-1160-2.0+1	0.00	g	1	pcs			Waiting for Actual
S-TB-FC(LT)-079+1	0.00	g	1	pcs			Waiting for Actual

PMS

Pre Manufacturing System



Explain

V. Silver Mold

Check PQC output

Step by step:

1. Click the "QC" button to conduct the check
2. Select 1 line in the list
3. Fill in the result information after checking.
4. Then click "Submit" to confirm

Quality Checks Popup

MMO #	MO #	Product	QC Form	Lot Qty	Not Yet					
false	SMO/00012	TEST123	PQC Form	2	2					
No	Actual Qty	Create Date	Status	Staff	OK g	NG g	OK pcs	NG pcs	Date	Judgement
1	100	2024-05-08 04:05:35	Not Yet	Võ Thị Huyền Trang	95.00	5	1		08/05/24	OK
QC Type	QC Class	QC Code	Method	Frequency	Input	Judgement				
Visual PQC	PQC	Missing Wax	By eyes	Check All	0	OK				
Visual PQC	PQC	Unformed	By eyes	Check All	0	OK				
Visual PQC	PQC	Unformed Bezel/Component	By eyes	Check All	5	NG				
Visual PQC	PQC	Bubble/Crack/Deform	By eyes	Check All	0	OK				
Visual PQC	PQC	Burr/ Water drop	By eyes	Check All	0	OK				
Visual PQC	PQC	Poor Workmanship Soldering/Filing	By eyes	Check All	0	OK				
Visual PQC	PQC	Over grinding	By eyes	Check All	0	OK				
Visual PQC	PQC	Others	By eyes	Check All	0	OK				

Buttons: Save, Discard, Cancel, SUBMIT, CLOSE

Main Table:

Item	Standby	Operation	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Confirm Date	Status
S-TN-1160-20+1			100.00 g		1 pcs			05/08/2024 11:11:38	Waiting for QC
S-TB-FC(LT)-079+1			100.00 g		1 pcs			05/08/2024 11:11:38	Waiting for QC

PMS

Pre Manufacturing System



Explain

V. Silver Mold

Create output lots

Step by step:

1. Click "Lot" to create
2. Select "Create" to confirm creation.

Silver Mold / SMO/00012

✓ Save ✕ Discard

Cancel

Product Mold Model

PQC Form

Location

Target/Actual Weight

100.00 / 0.00 g

Item Standby Operation

Actual Lot Print labels

Semi Product	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Confirm Date	Status
S-TN-1160-20+1	100.00 g		1 pcs			05/08/2024 11:11:38	Waiting for Lot
S-TB-FC(LT)-079+1	100.00 g		1 pcs			05/08/2024 11:11:38	Waiting for Lot

PMS

Pre Manufacturing System



Explain

Step by step:

1. Click "Disposal" to return excess silver in production
2. Click "F" to confirm completion of full use, "R" to return when remaining used.
3. Then click "Save"

V. Silver Mold

Return silver remaining in production and confirm production completion

Disposal

MPMO/PMO / SMO/00012 Process Silver Mold

Product TEST123 Target/Actual Weight 100.00 / 200.00 g

Item	From	Lot Code	Received Weight	UoM	Used Qty	Remain Qty	Remark
SEMI-TEST123	WH/Fac1/Mockup	Lot Semi Test123 Manualy	300.00 g		200.00	100.00	Input

Save Close

Silver Mold / SMO/00012

Save Discard

Cancel Complete

Product Mold Model

PQC Form

Location WH/Fac1/Mockup → WH/Fac1/Mockup

Work Date 05/08/2024 11:03:57 → 05/08/2024 11:03:57

Target/Actual Weight 100.00 / 200.00 g

Item Standby Operation

Disposal Return NG Print labels

Semi Product	Actual Weight	UoM	Actual Qty	UoM	Lot Code	Conf	Status
S-TN-1160-20+1	100.00 g	1 pcs			S-TN-1160-20+1-Silver-100.0g-L	05/08/2024 11:11:38	Done
S-TB-FC(LT)-079+1	100.00 g	1 pcs			S-TB-FC(LT)-079+1-Silver-95.0g- S-TB-FC(LT)-079+1-Silver-5.0g-L	05/08/2024 11:11:38	Done

PMS

Pre Manufacturing System



Explain

V. Silver Mold

Transfer the NG lot of silver molds to the repair warehouse

Step by step:

1. Click "Print labels" to print the lot
2. Click "Return NG" to create a return form to the repair warehouse
3. Click "Confirm" to confirm the return
4. Click "Complete" to confirm completion of the silver mold manufacturing process.

Silver Mold / SMO/00012

✓ Save ✕ Discard 5 / 5 < >

Cancel Complete 4

Draft In Progress Done

Product Mold Model TEST123 Process Silver Mold

PQC Form PQC Form Work Date 05/08/2024 11:03:57 → 05/08/2024 11:03:57

Location WH/Fac/Mockup → WH/Fac/Mockup Target/Actual Qty 3 / 2 pcs

Target/Actual Weight 100.00 / 200.00 g

Return NG

MPMO/PMO / SMO/00012 Process Silver Mold

Target/Actual Weight 100.00 / 200.00 g Target/Actual Qty 3 / 2 pcs

Product TEST123 Create as 1 Return Order

Lot/Serial Number	Return Order	From	To	Actual Weight	UoM	Actual Qty	UoM
S-TB-FC(LT)-079+1-Silver-5.0g-1pcs-240508-001		WH/Fac/Mockup		5.00 g		1 pcs	

Disposal Return NG Print labels 1

Confirm Date Status

05/08/2024 11:11:38 Done

05/08/2024 11:11:38 Done

Confirm Close 3



Thank you for using

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MES 3D

ERP + MES + SCADA