

For Smart Factory



Operating |
User |

MANUAL



MES 3D

ERP + MES + SCADA

Auto & S.I

User Manual MES

I.	Receiving	Slide 3 > 5
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WMS-WIP



Explain

I. Receiving

Create receiving

Step by step:

1. Click Create to create receiving
-> Detailed explanation on the back page

WIP Receiving

Ready Search

Filters Group By Favorites 1-2/2

	Reference	From	To	Contact	Scheduled Date	Source Document	Status	Created on
<input type="checkbox"/>	☆ WH/WR/00004	WH/Material/Stock	WH/Fac1/Alloy		Today		Operation	02/29/2024 15:05:31
<input type="checkbox"/>	☆ WH/WR/00002	WH/Material/Stock	WH/Fac1/Wax Tree		Today		Operation	02/29/2024 14:20:59

WMS-WIP



Explain

I. Receiving

Create receiving

Step by step:

1. Select the type of work and the location where the materials will be moved.
2. Enter the material information to be issued.
3. Click Confirm to confirm.

WIP Receiving / WH/WR/00003

Edit

+ Create

Print

Action

KnowSystem

2 / 2

< >

Confirm

Cancel

Draft

Operation

Done

☆ WH/WR/00003

Operation Type

Jewel Park: WIP Receiving

Scheduled Date

02/29/2024 14:43:16

From

WH/Material/Stock

1

Received Date

To

WH/Fac/Alloy

Source Document

Item

Operations

Item

Demand UoM

ALY-LUX105-18K/I4K-W

1.00 g



2

Add a line

WMS-WIP



Explain

I. Receiving

Create receiving

Step by step:

1. Click Validate to confirm

WIP Receiving / WH/WR/00003

[Edit](#) [+ Create](#) [Print](#) [Action](#) [KnowSystem](#) 2/2 [<](#) [>](#)

[Validate](#) [Cancel](#) Draft **Operation** Done

1 ☆ WH/WR/00003

Operation Type	Jewel Park: WIP Receiving	Scheduled Date	02/29/2024 14:43:16
From	WH/Material/Stock	Received Date	02/29/2024 14:45:19
To	WH/Fac1/Alloy	Source Document	

Item **Operations**

Item	From	To	Lot Code	Reserved	Done	UoM	
ALY-LUX105-18K/14K-W	WH/Material/Stock	WH/Fac1/Alloy	ALY-LUX105-18K/14K-W-240227-TestSupplier-FIBSI	1.00	0.00	g	

Add a line

WMS-WIP



Explain

II. Shipping

Create shipping

Step by step:

1. Click Create to create receiving
-> Detailed explanation on the back page

WIP Shipping

Ready Search...

Filters Group By Favorites 1-3 / 3

	Reference	From	To	Contact	Scheduled Date	Source Document	Status	Created on
<input type="checkbox"/>	☆ WH/SFP/00029	WH/Post-Production	WH/Stock/FG/TEMP		48 days ago	MO/00400	Operation	12/01/2024 11:03:20
<input type="checkbox"/>	☆ WH/SFP/00012	WH/Post-Production	WH/Stock/FG/TEMP		55 days ago		Operation	05/01/2024 15:45:50
<input type="checkbox"/>	☆ WH/SFP/00011	WH/Pre-Production	WH/Stock/FG/TEMP		55 days ago		Operation	05/01/2024 08:51:50

WMS-WIP



Explain

II. Shipping

Create shipping

Step by step:

1. Select the type of work and the location where the materials will be moved.
2. Enter the material information to be issued.
3. Click Confirm to confirm.

Material Shipping / WH/MS/00015

Edit

+ Create

Print

Action

KnowSystem

1/1

< >

Confirm

Cancel

Draft

Operation

Done

3

Operation Type

Jewel Park: Material Shipping

Scheduled Date

02/29/2024 08:53:32

From

WH/Material/Shell1/Bin_A01

1

Source Document

To

WH/Fac/Alloy

Item

Operations

Item	Demand Qty	Shipping Qty	UoM	2Demand Qty	2Shipping Qty	Uom
Wax resin A	100	0.00	g	0.00	0.00	

2

Add a line

WMS-WIP



Explain

II. Shipping

Check shipping

Step by step:

1. Click Validate to confirm

WIP Shipping / WH/WR/00004

Edit + Create

Print

Action

KnowSystem

1/1 < >

Validate Cancel

Draft **Operation** Done

☆ WH/WR/00004

Operation Type	Jewel Park: WIP Receiving	Scheduled Date	02/29/2024 15:05:06
From	WH/Material/Stock	Shipping Date	02/29/2024 15:05:36
To	WH/Fac/Alloy	Source Document	

Item **Operations**

Product	From	To	Lot Code	Reserved	Done	UoM	
SLV925	WH/Material/Stock	WH/Fac/Alloy	SLV925-TuanTest	100	0.00	g	

Add a line

WMS-WIP



Explain

III. Return NG

Create return

Step by step:

1. Select the type of work and the location where the materials will be moved.
2. Enter the material information to be issued.
3. Click Confirm to confirm.

Material Return / WH/RET/00007

Edit **+ Create** **Print** **Action** 2 / 8 **<** **>**

Confirm **Cancel** **Draft** **Operation** **Done**

3 ☆ **WH/RET/00007**

Operation Type Jewel Park: Returns **1** **Scheduled Date** 16/02/2024 13:45:36

From WH/Stock/Material **Return Date**

To WH/Output **Source Document**

Item Operations

Item	Demand	UoM
MytestMaterial 2	100.00	Units
Add a line		

WMS-WIP



Explain

III. Return NG

Validate return

Step by step:

1. Click Validate to confirm return to supplier

Material Return / WH/RET/00008

Edit

+ Create

Print

Action

1 / 8



Validate

Cancel

Draft

Operation

Done

1

☆ WH/RET/00008

Operation Type	Jewel Park: Returns	Scheduled Date	23/02/2024 12:58:22
From	WH/Stock/Material	Return Date	23/02/2024 13:10:35
To	WH/Output	Source Document	

Item Operations

Item	From	To	Lot Code	Reserved	Done	UoM	
AU9999	WH/Stock/Material/A/A 2 - 3	WH/Output	AU9999-240124-ORC01-D6S6E	100	0.00 g		

Add a line

WMS-WIP



Explain

IV. Stock

View to stock

Step by step:

1. View to stock.

WMS KPI Material Warehouse WIP Warehouse FG Warehouse Mold Warehouse Silver Warehouse

Material Stock

Material Product Search...

Filters Group By Favorites 1-4 / 4

Product	Location	Lot/Serial Number	Available Quantity	On Hand Quantity	Unit of Measure
▼ AU9950 (2)			100.00	14120	
<input type="checkbox"/> AU9950	WH/Material/Stock		100.00	100.00 g	
<input type="checkbox"/> AU9950	WH/Material/Stock	AU9950-TEST	0.00	4120 g	
▶ ALY-LUX105-18K/14K-W (1)			3,824.00	4,185.45	
▶ AU9999 (1)			2,673.00	2,679.95	
▶ Wax resin A (1)			1.00	2.00	

WMS-WIP



Explain

IV. Stock

Semi-finished product inventory division

Step by Step:

1. Select the check box to the left of the semi-finished product to be split.
2. Press the "Split" button in the menu displayed when the check box is selected to display a split window.
3. Enter the weight of the lot to be split.
4. Enter the quantity of lots to be divided.

WIP Stock

Product Search... 1-80 / 153

Split Merge Recast Scrap Print Labels 1 selected

Print Action

Product	Location	Lot/Serial Number	Package	Available Quantity	On Hand Quantity	Unit of Measure	2nd Quantity	2nd Uom	Created on	Main type	Scraped...
T4C3-2.0-B (1)				0.00	0.50						
SEMI-T4C3-2.0-B (5)				9,898.80	10,143.80						
<input type="checkbox"/> SEMI-T4C3-2.0-...	WH/Fac1/HM	00000001		9,768.80	9,873.80	g	0.00	pcs	04/11/2024 13:48:55	18K	
<input type="checkbox"/> SEMI-T4C3-2.0-...	WH/Fac1/HM	00000002		40.00	130.00	g	0.00	pcs	04/11/2024 15:00:19	18K	
<input type="checkbox"/> SEMI-T4C3-2.0-...	WH/Fac1/HM	00000003		70.00	90.00	g	0.00	pcs	04/11/2024 15:23:48	18K	
<input type="checkbox"/> SEMI-T4C3-2.0-...	WH/Fac1/Mocku...	T4C3-2.0-B-CAS_CUT-30.0g-3pcs-24042...		0.00	30.00	g	3.00	pcs	04/22/2024 15:04:09	18K	
<input checked="" type="checkbox"/> T4C3-2.0-...	WH/Fac1/HM	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-24042...		20.00	20.00	g	2.00	pcs	06/07/2024 13:37:40	18K	

Separate Lot

Split

Lot Code: T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001

Split Weight: 10

Split Quantity: 1

Product	Lot/Serial Number	From Location	Stock Weight	UoM	Stock Qty	UoM	Status
SEMI-T4C3-2.0-B	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001	WH/Fac1/HM	20.00 g		2.00	pcs	Confirmed

Split Confirm Close

WMS-WIP



Explain

IV. Stock

Semi-finished product inventory division

Step by Step:

1. Split by pressing the “Split” button.
2. Display of segmented lot information.
3. Confirm by pressing the “Confirm” button.
4. Display segmented lot information in list window.

Popup Title x

Split

Lot Code T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001

Split Weight

Split Quantity

Product	Lot/Serial Number	From Location	Stock Weight	UoM	Stock Qty	UoM	Status	
SEMI-T4C3-2.0-B	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001	WH/FacI/HM	10.00	g	1.00	pcs	Draft	
SEMI-T4C3-2.0-B	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001-382130	WH/FacI/HM	10.00	g	1.00	pcs	Draft	

Split
Confirm
Close

WIP Stock Product x Search...

1-80 / 153 ◀ ▶

Product	Location	Lot/Serial Number	Package	Available Quantity	On Hand Quantity	Unit of Measure	2nd Quantity	2nd Uom	Created on	Main type	Scraped...
T4C3-2.0-B (1)				0.00	0.50						
SEMI-T4C3-2.0-B (6)				9,898.80	10,143.80						
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/FacI/HM	O0000001	9,768.80	9,873.80	g	0.00	pcs	04/11/2024 13:48:55	18K	<input type="checkbox"/>
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/FacI/HM	O0000002	40.00	130.00	g	0.00	pcs	04/11/2024 15:00:19	18K	<input type="checkbox"/>
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/FacI/HM	O0000003	70.00	90.00	g	0.00	pcs	04/11/2024 15:23:48	18K	<input type="checkbox"/>
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/FacI/Mocku...	T4C3-2.0-B-CAS_CUT-30.0g-3pcs-24042...	0.00	30.00	g	3.00	pcs	04/22/2024 15:04:09	18K	<input type="checkbox"/>
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/FacI/HM	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-24042...	10.00	10.00	g	1.00	pcs	06/07/2024 13:37:40	18K	<input type="checkbox"/>
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/FacI/HM	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-24042...	10.00	10.00	g	1.00	pcs	06/11/2024 09:54:05	18K	<input type="checkbox"/>

WMS-WIP



Explain

IV. Stock

Semi-finished product inventory division

WIP Stock

Product Search... 1-80 / 153

Split Merge Recast Scrap Print Labels 2 selected

Print Action

Product	Location	Lot/Serial Number	Package	Available Quantity	On Hand Quantity	Unit of Measure	2nd Quantity	2nd Uom	Created on	Main type	Scraped...
T4C3-2.0-B (1)				0.00	0.50						
SEMI-T4C3-2.0-B (6)				9,898.80	10,143.80						
<input type="checkbox"/> SEMI-T4C3-2.0-... WH/Fac1/HM		00000001		9,768.80	9,873.80	g	0.00	pcs	04/11/2024 13:48:55	18K	
<input type="checkbox"/> SEMI-T4C3-2.0-... WH/Fac1/HM		00000002		40.00	130.00	g	0.00	pcs	04/11/2024 15:00:19	18K	
<input type="checkbox"/> SEMI-T4C3-2.0-... WH/Fac1/HM		00000003		70.00	90.00	g	0.00	pcs	04/11/2024 15:23:48	18K	
<input type="checkbox"/> SEMI-T4C3-2.0-... WH/Fac1/Mocku...		T4C3-2.0-B-CAS_CUT-30.0g-3pcs-24042...		0.00	30.00	g	3.00	pcs	04/22/2024 15:04:09	18K	
<input checked="" type="checkbox"/> SEMI-T4C3-2.0-... WH/Fac1/HM		T4C3-2.0-B-CAS_CUT-20.0g-2pcs-24042...		10.00	10.00	g	1.00	pcs	06/07/2024 13:37:40	18K	
<input checked="" type="checkbox"/> SEMI-T4C3-2.0-... WH/Fac1/HM		T4C3-2.0-B-CAS_CUT-20.0g-2pcs-24042...		10.00	10.00	g	1.00	pcs	06/11/2024 09:54:05	18K	

Step by Step:

1. Select the check box to the left of the semi-finished product to be merged.
2. Press the "Merge" button in the menu displayed when the check box is selected to display the merge window.
3. Post-merging lot selection of semi-finished products to be merged.

Merge Lot

Merge

Lot code to Merge: T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001

Product	Lot/Serial Number	From Location	Stock Weight	UoM	Stock Qty	UoM	Status
SEMI-T4C3-2.0-B	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001	WH/Fac1/HM	10.00	g	1.00	pcs	Confirmed
SEMI-T4C3-2.0-B	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001-382130	WH/Fac1/HM	10.00	g	1.00	pcs	Confirmed

Merge Confirm Cancel

WMS-WIP



Explain

IV. Stock

Semi-finished product inventory division

Step by Step:

1. Click the "Merge" button to execute.
2. Display merged lot information.
3. Confirm by pressing the "Confirm" button.
4. Display merged lot information in list window..

Merge Lot

Merge

Lot code to Merge: T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001

Product	Lot/Serial Number	From Location	Stock Weight	UoM	Stock Qty	UoM	Status
SEMI-T4C3-2.0-B	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001	WH/Fac1/HM	20.00 g		2.00		Draft

Merge 1 Confirm 3 Cancel

WIP Stock

Product Search...

Filters Group By Favorites 1-80 / 153

Product	Location	Lot/Serial Number	Package	Available Quantity	On Hand Quantity	Unit of Measure	2nd Quantity	2nd Uom	Created on	Main type	Scraped...
T4C3-2.0-B (1)				0.00	0.50						
SEMI-T4C3-2.0-B (5)				9,898.80	10,143.80						
SEMI-T4C3-2.0-...	WH/Fac1/HM	00000001		9,768.80	9,873.80	g	0.00	pcs	04/11/2024 13:48:55	18K	
SEMI-T4C3-2.0-...	WH/Fac1/HM	00000002		40.00	130.00	g	0.00	pcs	04/11/2024 15:00:19	18K	
SEMI-T4C3-2.0-...	WH/Fac1/HM	00000003		70.00	90.00	g	0.00	pcs	04/11/2024 15:23:48	18K	
SEMI-T4C3-2.0-...	WH/Fac1/Mocku...	T4C3-2.0-B-CAS_CUT-30.0g-3pcs-24042...		0.00	30.00	g	3.00	pcs	04/22/2024 15:04:09	18K	
SEMI-T4C3-2.0-...	WH/Fac1/HM	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-24042...		20.00	20.00	g	2.00	pcs	06/07/2024 13:37:40	18K	

WMS-WIP



Explain

IV. Stock

Semi-finished product stock recasting

Confirmation

These lots will create recasting list, are you sure you want to do this?

Product	Location	Lot/Serial Number	Available Quantity	Quantity	Unit of Measure
SEMI-T4C3-2.0-B	WH/Fac1/HM	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-240422-001	20.00	20.00	g

WMS KPI Material

WIP Stock

Split Merge Recast Scrap Print Labels 1 selected

Product	Location	Lot/Serial Number	Package	Available Quantity	On Hand Quantity	Unit of Measure	2nd Quantity	2nd Uom	Created on	Main type	Scraped...
T4C3-2.0-B (1)				0.00	0.50						
SEMI-T4C3-2.0-B (5)				9,898.80	10,143.80						
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/Fac1/HM	00000001	9,768.80	9,873.80	g	0.00	pcs	04/11/2024 13:48:55	18K	
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/Fac1/HM	00000002	40.00	130.00	g	0.00	pcs	04/11/2024 15:00:19	18K	
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/Fac1/HM	00000003	70.00	90.00	g	0.00	pcs	04/11/2024 15:23:48	18K	
<input type="checkbox"/>	SEMI-T4C3-2.0-...	WH/Fac1/Mocku...	T4C3-2.0-B-CAS_CUT-30.0g-3pcs-24042...	0.00	30.00	g	3.00	pcs	04/22/2024 15:04:09	18K	
<input checked="" type="checkbox"/>	T4C3-2.0-...	WH/Fac1/HM	T4C3-2.0-B-CAS_CUT-20.0g-2pcs-24042...	20.00	20.00	g	2.00	pcs	06/07/2024 13:37:40	18K	

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

Recasting List

Search...

Filters Group By Favorites

Return Type...	Created on	Process	Line	Step	Type...	Product	Lot	Quantity	From
Stock	06/11/2024 10:05:45		4		18K	SEMI-T4C3-2.0-B	T4C3-2.0-B-CAS_CUT-20.0...	20.00	WH/Fac1/HM

Step by Step:

1. Check the box to the left of the gold/silver semi-finished product to be recast.
2. Proceed by pressing the “Recast” button in the menu displayed when the check box is selected.
3. Confirm by pressing the “Confirm” button.
4. Display the list of approved semi-finished products with MES > MMS > Recasting List.

WMS-WIP



Explain

IV. Stock

Semi-finished product inventory disposal

Confirm ×

This will scrap all selected records. Do you want to continue?

Confirm ³ **Cancel**

Step by Step:

1. Select the checkbox to the left of the semi-finished product to be discarded.
2. Proceed by pressing the “Scrap” button in the menu displayed when the check box is selected.
3. Execute by pressing the “Confirm” button in the warning window.
4. Expunge material from stock information.

WMS KPI Material Warehouse WIP Warehouse FG Warehouse Mold Warehouse Silver Warehouse Lot/Serial Number

WIP Stock

Product Search... 1-80 / 153

Split Merge Recast **Scrap** ² Print Labels 1 selected

Print Action

Product	Location	Lot/Serial Number	Package	Available Quantity	On Hand Quantity	Unit of Measure	2nd Quantity	2nd Uom	Created on	Main type	Scraped...
T4C3-2.0-B (1)				0.00	0.50						
SEMI-T4C3-2.0-B (5)				9,878.80	10,143.80						
SEMI-BC-C167 (2)				20.00	20.00						
<input checked="" type="checkbox"/> SEMI-BC-C167	WH/Fac1/HM	BC-C167-CAS_CUT-10.0g-20pcs-2...		10.00	10.00	g	20.00	pcs	04/11/2024 10:31:59	18K	
<input type="checkbox"/> SEMI-BC-C167	WH/Fac1/Metal Tree Cutting	BC-C167-CAS_CUT-10.0g-30pcs-2...		10.00	10.00	g	30.00	pcs	04/11/2024 10:31:59	18K	

WMS KPI Material Warehouse WIP Warehouse FG Warehouse Mold Warehouse Silver Warehouse Lot/Serial Number

WIP Stock

Product Search... 1-80 / 153

Filters Group By Favorites

Product	Location	Lot/Serial Number	Package	Available Quantity	On Hand Quantity	Unit of Measure	2nd Quantity	2nd Uom	Created on	Main type	Scraped...
SEMI-T4C3-2.0-B (5)				9,878.80	10,143.80						
SEMI-BC-C167 (1)				10.00	10.00						
<input type="checkbox"/> SEMI-BC-C167	WH/Fac1/Metal Tree Cutting	BC-C167-CAS_CUT-10.0g-30pcs-2...		10.00	10.00	g	30.00	pcs	04/11/2024 10:31:59	18K	
SEMI-T4C3-(2.0-3.5)-17inch-18K-W-25.02gr-5.12-HM (1)				13.00	13.00						

WMS-WIP



Explain

IV. Stock

Print label

Step by Step:

1. Select the check box to the left of the semi-finished product for label printing.
2. Print by pressing the “Print Labels” button in the menu displayed when the check box is selected.

The screenshot shows the WMS WIP Stock interface. At the top, there is a navigation bar with 'WMS' and various warehouse types. Below the navigation bar, there is a 'WIP Stock' section with a search bar and a menu. The menu includes buttons for 'Split', 'Merge', 'Recast', 'Scrap', and 'Print Labels'. A 'Print Labels' button is highlighted with a purple circle containing the number '2'. Below the menu, there is a table of stock items. The table has columns for Product, Location, Lot/Serial Number, Package, Available Quantity, On Hand Quantity, Unit of Measure, 2nd Quantity, 2nd Uom, Created on, Main type, and Scraped... The first row is expanded, showing a product 'SEMI-18K-W-GOLDTREE-CAS_TRE-20240610144404 (1)'. The second row is selected, with a check box checked and a purple circle containing the number '1' next to it. The selected row is 'SEMI-18K-W-GOLDTREE-... WH/Fac1/Metal Tree Cutt... CAS_TRE-250.0g-24061...'. The third row is 'SEMI-18K-W-GOLDTREE-CAS_TRE-20240604090446 (1)'. Below the table, there are 'Print' and 'Action' buttons.

Product	Location	Lot/Serial Number	Package	Available Quantity	On Hand Quantity	Unit of Measure	2nd Quantity	2nd Uom	Created on	Main type	Scraped...
SEMI-18K-W-GOLDTREE-CAS_TRE-20240610144404 (1)				5.00	5.00						
<input checked="" type="checkbox"/> SEMI-18K-W-GOLDTREE-... WH/Fac1/Metal Tree Cutt... CAS_TRE-250.0g-24061...				5.00	5.00	g	1.00	pcs	06/10/2024 15:12:03	18K	
SEMI-18K-W-GOLDTREE-CAS_TRE-20240604090446 (1)				33.00	33.00						

WMS-WIP



Explain



Thank you for using

For Smart Factory

MES 3D

ERP + **MES** + **SCADA**