

Production Management System (PMS)

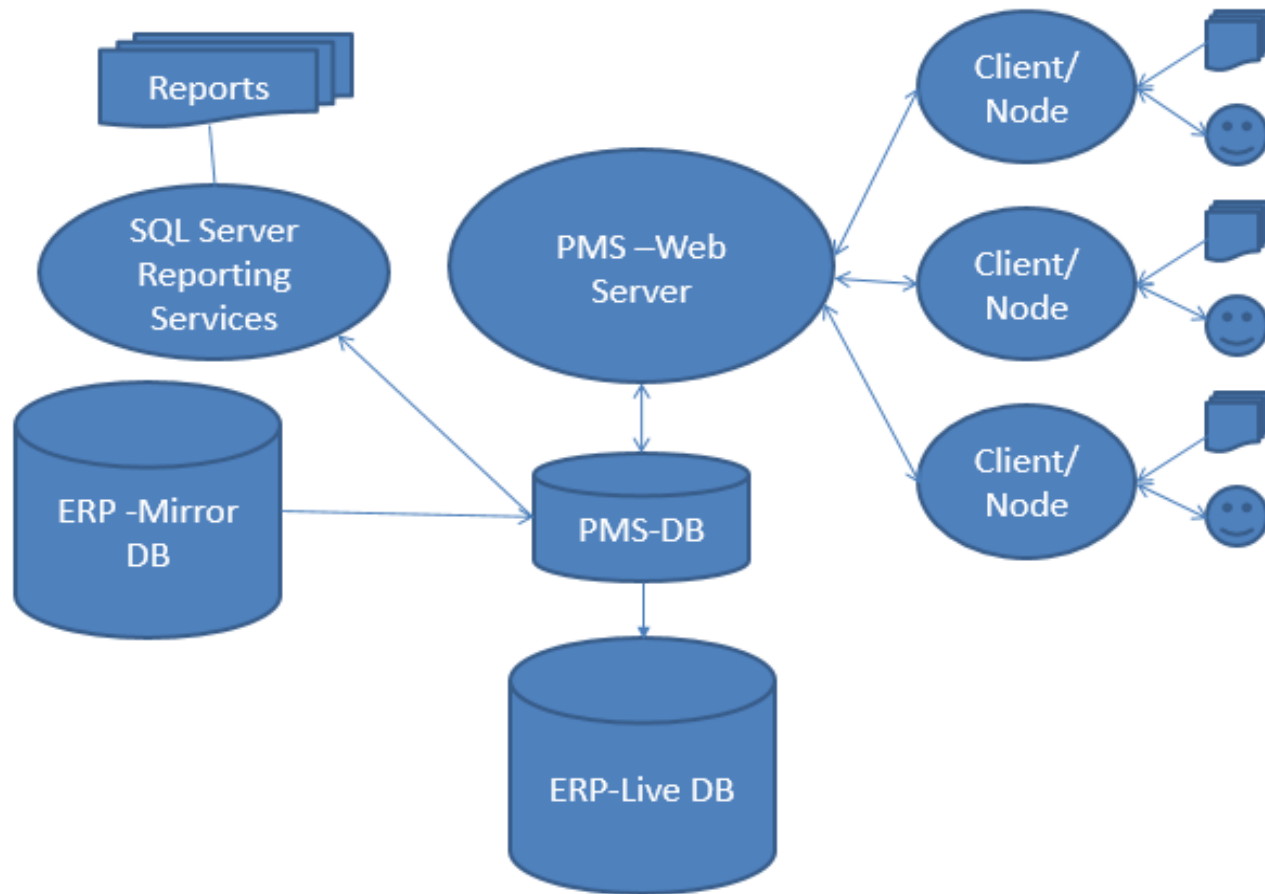


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PMS System setup

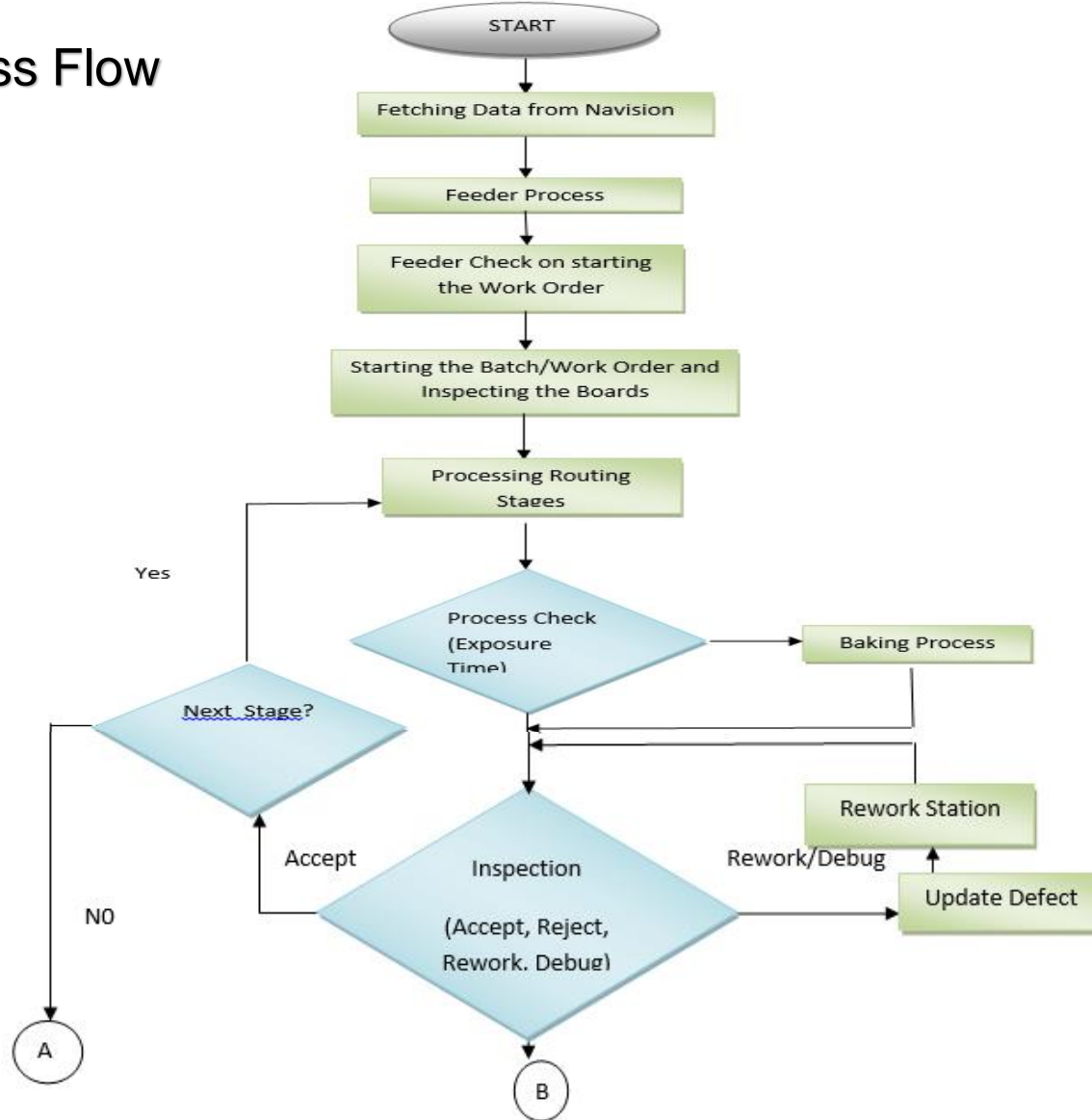


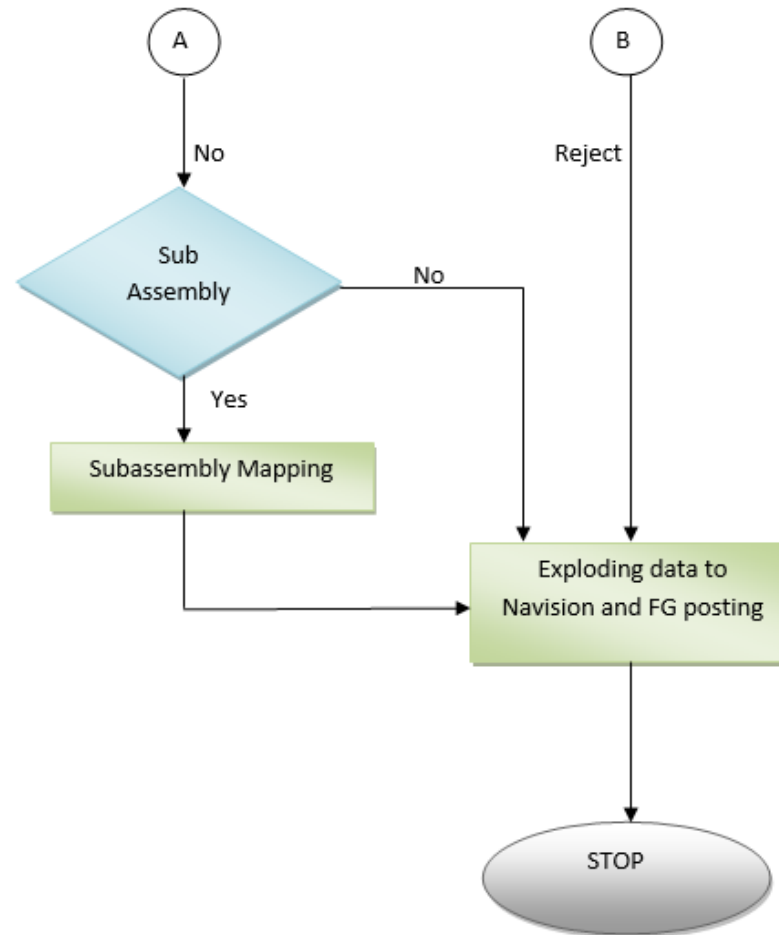
PMS FEATURES AND FUNCTIONALITY

- Verification of components as and when they are loaded on to work centers as defined in Routing (ERP)
- MSD verification: expiry & floor life
- Refrigerated Consumables Verification: Thawing time, Floor Life & Expiry
- Bay changing If needed from one defined in ERP (conditional)
- Feeder Controls:
 - I. Offline component loading with Feeder ID & Confirmation with Program file, with IDS compliance verification
 - II. Feeder Position cross checking with Feeder ID
 - III. Feeder reloading verification
- Equipment scanning for record keeping (Stencil information, Squegee, etc)
- Starting and stopping operational stages, Documenting reasons for delay
- Capture of Start time, Operation time, idle time, delay time, end time.

- Scanning of boards at each stage as per routing defined in ERP
- Inspection of output at each defined stage and tracking each board
 - I. Accept
 - a) Check ECN
 - b) Check QA sampling
 - c) Check previous stage/s acceptance
 - d) Check entry point for reworked boards
 - II. Reject
 - a) Set approval levels
 - b) Notification for approval requests
 - c) Multiple reject for same reason- automatic rejection
 - III. Rework (local)
 - IV. Rework Station (If not local)
 - V. Debug
 - Board revision change verification & validation
 - ICT rerouting
 - Exposure time verification for Baking

PMS Process Flow





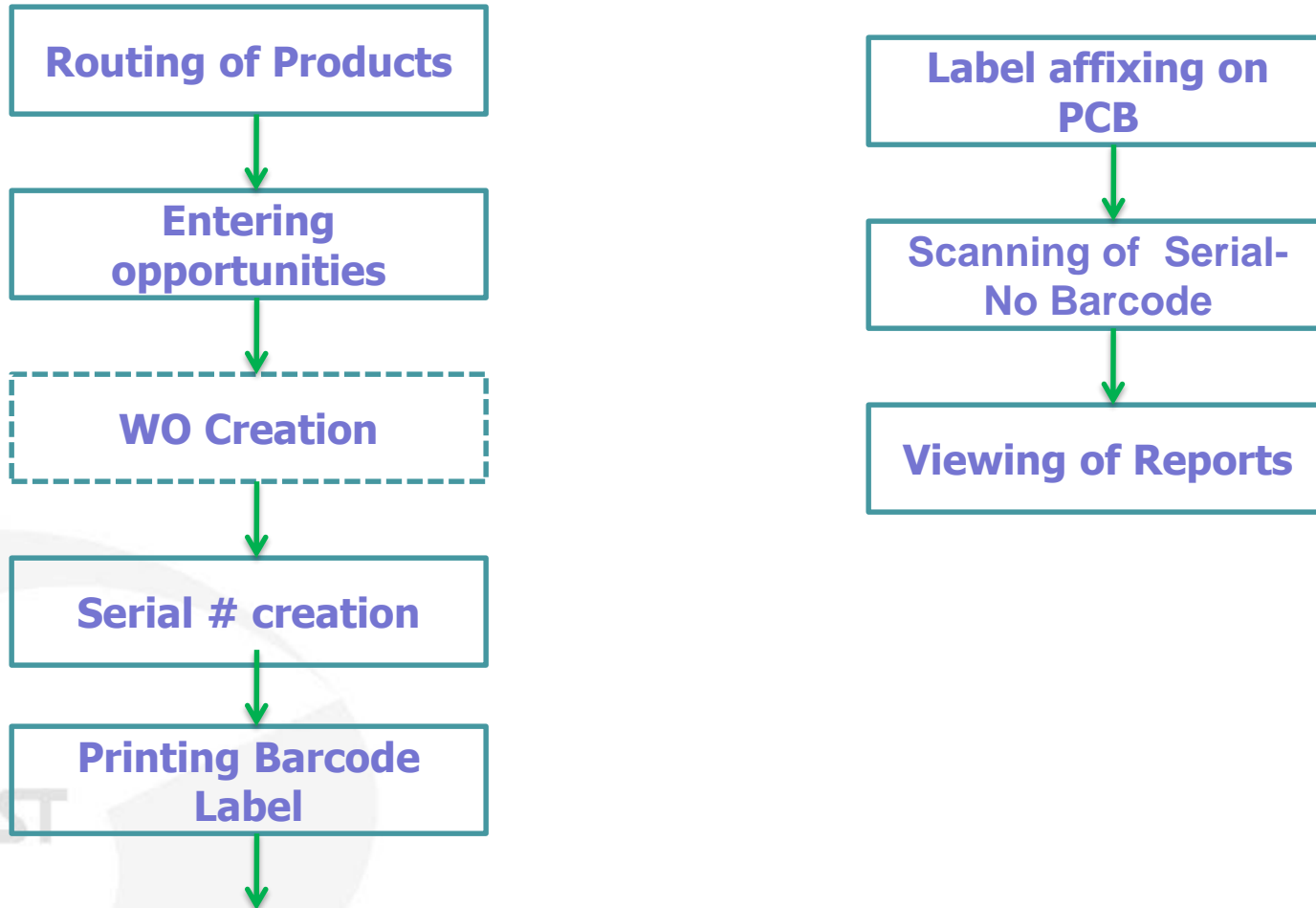
Work Instruction - Routing

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ROUTING PROCESS FLOW



Web Based WIP Tracking System

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Company Selection Page

11:46:42



Production Management System-PMS_{4.2.1}

Select Division

Electronics Division Cochin	>
Optronics Division Cochin	>
Cable Division Cochin	>
Electronics Division Bangalore	>
Cable Division Pune	>

Click on the company

Home Page



Production Management System-PMS_{4.2.1}

11:59:21

 **Sijo.Panicker**
Logout

- Home
- WorkOrder
- Feeder Control
- Rework Station
- Sub Assembly
- Bay Change
- ECN
- Report
- Placement
- MSD Details
- WIP Report

SFO-ELECTRONICS DIVISION - COCHIN

<ALERT : VIS

Batch Details

Batch Number	WO Number	Item Number	Product Revision
<input type="text" value="E-64571"/>	<input type="text" value="E-64571"/>	<input type="text" value="5415007"/>	<input type="text"/>
No Life remaining.			
Show MSD			
Routing Stage	Lot size	Start Date	Wo Aging
<input type="text" value="MACHINE-5-B:0C"/>	<input type="text" value="15"/>	<input type="text" value="Date: 10-09-2019 ; Time: 00:00:00"/>	<input type="text" value="Work Order Finished"/>
Show Equipment			
ECN No	ECN Qty	ECN Status	ECN Link
<input type="text" value="ECN-2896"/>	<input type="text" value="15"/>	<input type="text" value="Closed"/>	<input type="button" value="Click Me"/>

Enter Batch id in Batch Number column – all the data will be pulled from Nav

Selecting the Work Order and Routing stage

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The screenshot displays a web application interface. On the left is a vertical navigation menu with items: Home, WorkOrder, Feeder Control, Rework Station, Sub Assembly, Bay Change, ECN, Report, Placement, MSD Details, and WIP Report. The main content area shows a dropdown menu open over a field, listing routing stages. The selected item is 'MACHINE-5-B:0001'. Other items include 'QA INSPECTION-SMT:0002', 'MACHINE-5-T:0003', 'QA INSPECTION-SMT:0004', 'AOI-5-B:001', 'AOI-5-T:003', 'STUFFING-2:004', 'QA INSPECTION:004-1', 'TH-2:005', 'MS-2:005-1', 'INSPECTION-5:006', 'GLUING:006-1', 'ICT:007', 'FCT:008', 'FINAL INSPECTION:009', 'FINAL QA:010', and 'PACKING:011'. The background interface includes a header 'SF COCHIN' and an alert: '<ALERT : VISUAL INSPECTION SOLDER INSUFFICIENT U9, U1,U29,U30, J54, J14>'. Below this are input fields for 'WO Number' (E-64571), 'Item Number' (5415007), and 'Product Revision'. There are also fields for 'Lot size' (15), 'Start Date' (Date: 10-09-2019 ; Time: 00:00:00), and 'Wo Aging' (Work Order Finised). At the bottom, there is a table with columns 'ECN No', 'ECN Qty', 'ECN Status', and 'ECN Link', containing values: ECN-2896, 15, Closed, and a 'Click Me' button.

Enter the Work Order in Batch Number and then select the routing stage as shown

Setting Asset Master

Equipment Management

PartNo
6300294

WorkCenter
---Select WorkCenter---

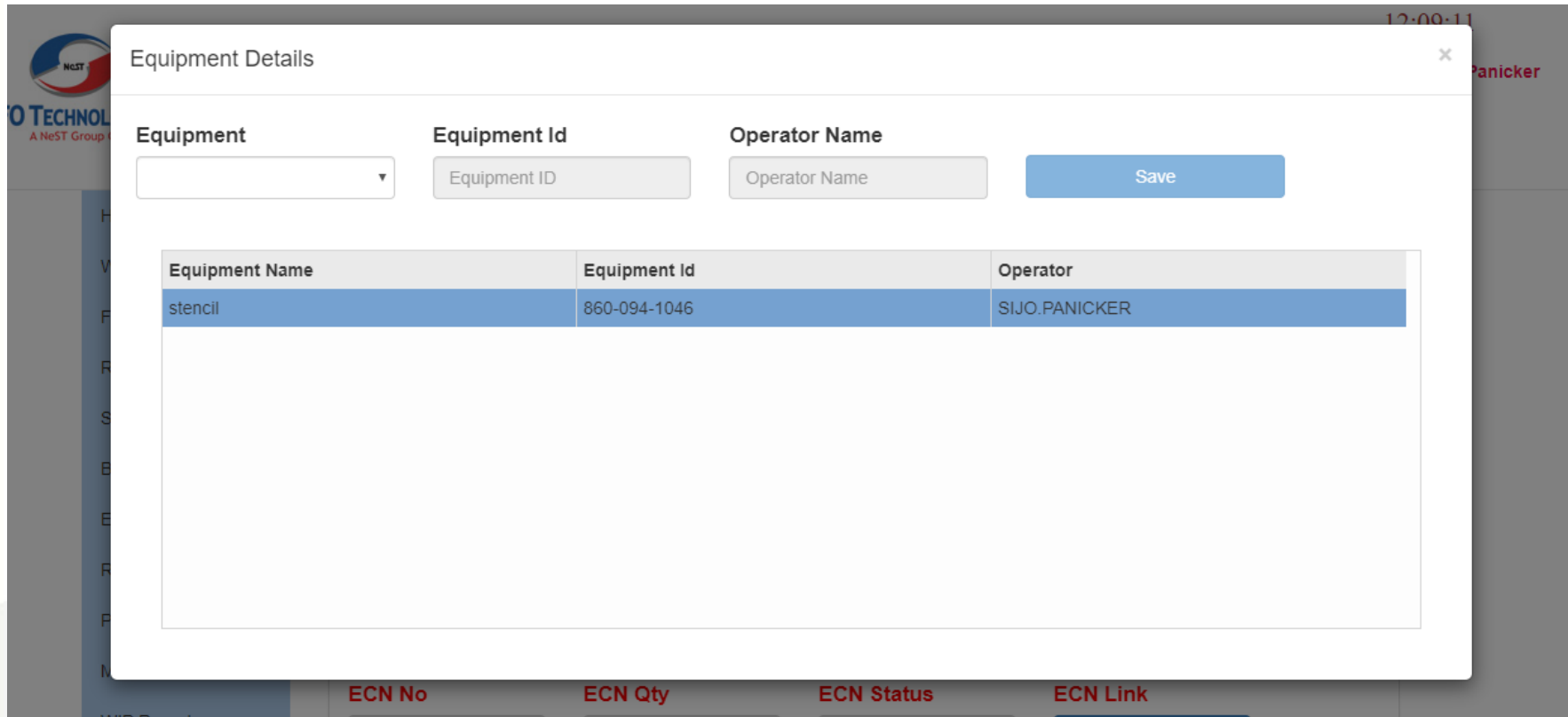
Equipment
Equipment

EquipmentId
EquipmentId

PartNo	WorkCenter	EquipmentId
90-418-0003	MACHINE-	86-385-0001
9MK200132-01	MACHINE-	63- 011-0022
9MK200132-01	MACHINE-	63- 011-0022
9MK200132-01	MACHINE-	63- 011-0022
9MK200132-01	MACHINE-	63- 011-0022
9MK200132-01	MACHINE-	63- 011-0022
9MK200132-01	MACHINE-	63- 011-0022
9MK200132-01	MACHINE-	63- 011-0022
9MK200132-01	MACHINE-	63- 011-0022

- Admin Privilege- go to settings page and navigate to Equipment Management Tab
- Enter Product part number, Select the work center, equipment Name, Equipment id and click Save
- Asset is locked for stage

Equipment Scanning



The screenshot displays a web application interface for equipment scanning. A modal window titled "Equipment Details" is open, allowing users to enter information for a new scan. The modal contains three input fields: "Equipment" (a dropdown menu), "Equipment Id" (a text box containing "Equipment ID"), and "Operator Name" (a text box containing "Operator Name"). A blue "Save" button is positioned to the right of these fields. Below the input fields is a table with the following data:

Equipment Name	Equipment Id	Operator
stencil	860-094-1046	SIJO.PANICKER

The background of the application shows a table with columns for "ECN No", "ECN Qty", "ECN Status", and "ECN Link".

- When stage is selected automatically pop up to scan Asset will block the home page from moving further
- Choose the equipment from dropdown, enter equipment id , operator name and click save button

Locking Component Scanning

The screenshot shows the 'WorkCenter Settings' interface. At the top, there are input fields for 'Part Number', 'WorkCenter' (a dropdown menu), and 'Modality'. Below these is an 'Add' button and a search box labeled 'Search' with the placeholder text 'PartNumber or WC Name OR Modalit'. A table lists work centers with columns for 'WorkCenter Name', 'Modality', 'Part Number', and an 'Edit' button. The table contains the following data:

WorkCenter Name	Modality	Part Number	Edit
MACHINE-5-B	PCS	2053537-001	
MS-7	INGERSOLL RAND-INDIA	90-280-0001	
BARE PCB BACKING	STANLEY SECURITY	1000456-1	
MACHINE-8-T	GENERATOR	5255501	
MACHINE-8-B	GENERATOR	5255501	
MACHINE-7-T	GENERATOR	5255501	
MACHINE-7-B	GENERATOR	5255501	
MACHINE-6-T	GENERATOR	5255501	

Two 'Settings' pop-up windows are shown. The top one is for 'MACHINE-8-B' with 'PartNumber' 5459719 and 'Modality' ZYX. It has checkboxes for 'Labeling', 'ICL', 'HasAsset', 'Component Scanning', and 'HasCRN'. The 'Feeder Scanning' checkbox is checked and highlighted with a red box. The bottom 'Settings' pop-up is for 'MACHINE-8-B' with 'PartNumber' 5459719 and 'Modality' ZYX. The 'Component Scanning' checkbox is highlighted with a red box. Red arrows point from the 'Edit' button in the table to the top 'Settings' pop-up, and from the 'Component Scanning' checkbox in the bottom pop-up to the 'Feeder Scanning' checkbox in the top pop-up.

- Admin privilege- Enter the product part number, choose the work center and click Add button
- In the list click on the edit button a pop will come to enable/disable the lock
- For SMT- make IsFeederScanning is marked and for other stages Component scanning and click Update button
- Components is lock for the stage

Component Scanning

Part No	Description	IDS	Date Code	Operator Na
R390053	ROHS,DI...	IDS-19S46991	1841	SHARON
R154034	ROHS,CA...	IDS-19S24043	1845	SHARON
R15301CA-001	RoHS,PC...	IDS-16S74752	1649	SHARON
R390073	ROHS,DI...	IDS-18S86769	1834	SHARON
R411120-001	ROHS,IC ...	IDS-19S41048	01/28/19	SHARON
R2000176-001	ROHS,IC ...	IDS-19S16103	1831	SHARON
R390072	ROHS,DI...	IDS-19S57783	1849	SHARON
R152004	ROHS,CA...	IDS-18S67450	1830	SHARON

- When stage is selected automatically pop up to scan components will block the home page from moving further
- Components list will be shown in the component to scanned list view
- Enter the operator name, component part number, ids number and date code and click save button
- Scanned components will be listed in the scanned components list view

Starting the Routing stage

- After selecting the stage click on the Stat button to start the Stage

Note- if equipment and components for a particular stage is not scanned then PMs will not allow the stage to start

Operation details ▼

Delay Time 0:0:0	Output Qty 0	Start Time 	End Time 	START
----------------------------	------------------------	-----------------------	---------------------	--------------

Stopped

- After clicking the Start button Start time will be locked status will be changed to In progress
- Output quantity is the total output for the stage and if quantity is completed the status will be updated to Finished

Operation details ▼

Delay Time 0:0:0	Output Qty 79	Start Time 07-11-2019 20:12:27	End Time 	STOP
----------------------------	-------------------------	--	---------------------	-------------

In Progress

Idle Time HH:MM:SS	Reason ▼	Save Idle Time
------------------------------	--------------------	-----------------------

- Option to capture ideal time of a stage

Board Scanning

- With Online Inspection
- Without Online Inspection



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Board Scanning- with online inspection-Single Entry

Inspection

Single Entry

Multiple Entries

To

Operator

Inspection

Inspection

- Accept
- Debug
- Rework

Scanned Board Details

Board No	Customer Serial No	Date & Time	Status	Operator	Routing StageN
E-64571-01	SN:00444-40/19	21-09-201...	Accepted	DEEPU -1165	MACHINE-5-E
E-64571-02	SN:00466-41/19	21-09-201...	Accepted	DEEPU -1165	MACHINE-5-E
E-64571-03	SN:00450-40/19	21-09-201...	Accepted	DEEPU -1165	MACHINE-5-E
E-64571-04	SN:00451-40/19	21-09-201...	Accepted	DEEPU -1165	MACHINE-5-E
E-64571-05	SN:00449-40/19	21-09-201...	Accepted	DEEPU -1165	MACHINE-5-E
E-64571-06	SN:00446-40/19	21-09-201...	Accepted	DEEPU -1165	MACHINE-5-E

- Enter the Board serial no in single entry or in Multiple entries, operator name and click the inspection menu to select the operation
- ACCEPT – pass the board to next stage
- DEBUG- if the board has to be re-inspected
- REWORK- option move the board to rework or rework station , system will automatically move the board to rework or rework station based on the reason selected

Board Scanning- with online inspection-Single Entry

- Boards moving to Debug/Rework/Rework station

Handling scratch
Aesthetic issues
Blow Hole
Bill Boarding
Bom Change
Bad Wetting
Corrosion
Cable continuity short
Cable interchange
Component Damage
Copper Exposed
Component Interchanged
Cable Length Variation
Comp.Missing
Conformal coating issues
Connector damages
Conversion
Crimp damage

Operator: SIJO.PANICK
Inspection: [dropdown]
Reference Location: [input]
No of Defects: [input]

- Scan the board serial no in single entry ,operator name choose the debug/ rework option from inspection dropdown
- In the rework details popup below choose the reason for the change, reference location ,number of defects and click add button

Scanned Board Details

E-66718-236

Board No	Customer Serial No	Date & Time	Status	Operator	RoutingStageN
E-66718-236		07-11-201...	ReworkStation	JACOB JIJI 1683	ICT

Board Scanning- with online inspection-Single Entry

- Rework Station

Home

WorkOrder

Feeder Control

Rework Station

Sub Assembly

Boards to Rework

E-66718-236

Work Order No	Serial No	*Operator Name	Routing Stage	Operation No	Starting Date
E-66718	E-66718-236		ICT	006	07-11-2019

- Scan the board in the board to rework tab, details will be displayed
- Enter the operator name ,ids number and comments if any and click the done button to move the board back to the production line

Board No

Board No	Customer Serial No	Date & Time	Status	Operator	RoutingStageN
E-65783-038		08-11-201...	ReworkCompleted	subash	FCT

- Scan the board again in the single entry and choose accept to pass the board to the next stage

Board Scanning- with online inspection-Single Entry

- Adding customer serial number

Inspection

Single Entry **Multiple Entries** **Operator**

Enter Operator Name
Customer Reference No

Scanned Board Details

Board No	Customer Serial No	Date & Time	Status	Operator	Routing Stage
E-65783-079	S500002017	30-10-201...	Accepted	NELVIN S9573	FCT
E-65783-229	S500002016	30-10-201...	Accepted	NELVIN S9573	FCT

- Scan the board in single entry ,option to add customer serial no will be shown
- Scan the serial number in the column and click the add button

Board Scanning- with online inspection-Single Entry

- Scan the board serial no in multiple entries ,operator name click in enter button
- Multiple entry is locked based on panel size
- Boards cannot be moved to rework or debug when multiple entries is used

Inspection ▼

Single Entry

Multiple Entries

Operator

Inspection

Panel size Exceeded.Pane size is 1

Scanned Board Details ▼

Board No	Customer Serial No	Date & Time	Status ▲	Operator	RoutingStageN ▲
E-65783-106	S500001545	29-09-201...	Accepted	LINU S1541	FCT
E-65783-246	S500001540	29-09-201...	Accepted	LINU S1541	FCT
E-65783-211	S500001537	29-09-201...	Accepted	LINU S1541	FCT
E-65783-071	S500001547	29-09-201...	Accepted	LINU S1541	FCT
E-65783-206	S500001542	29-09-201...	Accepted	LINU S1541	FCT



Board Scanning- without online inspection-Single Entry

Single Entry

Inspection ▼

Single Entry

Multiple Entries

Operator

Enter

Scanned Board Details ▼

Board No	Customer Serial No	Date & Time	Status	Operator	Routing Stage
E-65783-134	S500001757	05-10-201...	Accepted	RIKIL R6256	PACKING
E-65783-175	S500001756	05-10-201...	Accepted	RIKIL R6256	PACKING



Board Scanning- without online inspection-Single Entry

Multiple Entry

Inspection ▼

Single Entry
Multiple Entries
Operator

Scanned Board Details ▼

Board No	Customer Serial No	Date & Time	Status	Operator	R
N1163920P173300665		25-08-201...	Accepted	DILEEP JOSE S...	▲
N1163920P173300666		08-09-201...	Accepted	DILEEP JOSE S...	



Information and DPMO Details-Home Page

Information		
Estimated Time	Actual Time	
0	2882:8:34	
Accepted Quantity	Rejected Quantity	
257	0	
Debug Quantity	Rework Quantity	ReworkStationQuantity
0	22	1
Re-InspectionQuantity	ReworkCompletedQuantity	
0	0	

DPMO			
Assembly Steps	Defects	Total opportunity	DPMO
Assembly Defect	0	280	0
Component Defect	1	243880	4.1
Placement Defect	29	243600	119.05
Termination Defect	2	1284920	1.56
FPY%	91.79	Total DPMO	18.05

Rejection Set up - Admin privilege

Rejection Setting Management
▼

Change Rejection Level To [] To set the level of rejection approval

Update

Reject Permission Management
▼

Reject Permission Management [] User assigned to level in work flow

Users

--Select User-- ▼

Rejection Permission Level

Add

User Name	Reject Permission Level	
Jibin R. Nath	4	Edit
Jishnu.Mohan	3	Edit
Sathish Mathai	3	Edit
Amal P Antony	2	Edit
Bindu T. Sarasamma	2	Edit
Snikil Dinesh	2	Edit
Saji.B	2	Edit
Shafeeque M N	2	Edit
Shanavas M A	2	Edit



Rejection Process

Step 1

Inspection

Single Entry **Multiple Entries** **Operator**

Scanned Board Details

- Accept
- Debug
- Rework
- Change Revision
- Reject**

Step 2

Inspection

Reason **Reference Location** **No of Defects**

SMD Thru Hole

E-21700-111	SFO 2616 0018	08-11-201...	Line Rejected	SIJO.PANICKER	FCT
E-21700-001	SFO 0710 0005	10-06-201...	Accepted	Shiv Mohan	FCT

Rejection Process

Total Price

132586.24

Total cost of rejection per month

Boards For Rejection

Board Id

E-21700-111

Step 3

Board Id	Routing Stag...	Batch Id	Status	UnitPrice	Root Cause	Corre
E-21700-111	FCT	E-21700	1	10854.2	Reject	

Rejection Details

Root Cause

Root Cause

Corrective Action

Corrective Action

Reject

- Search the board in the search tab
- Click on the reject button
- Enter the root cause and corrective action and click the reject button
- The board will be moved to the next level as per the process flow set in system and when approved by the top level the board will be rejected in system

Work Order Page

Work Order Details

Item Number

6300294

Work Order Number

Work Order No

Board Number

Board No

Customer Number

Customer Number

WorkOrder	Description	LotSize	OpenWorkOrderQuantity
E-60185	Feed Board Right Posterior	12	0
E-60327	Feed Board Right Posterior	24	0
E-6070	Feed Board Right Posterior	30	30
E-60841	Feed Board Right Posterior	18	0
E-61191	Feed Board Right Posterior	18	0
E-61603	Feed Board Right Posterior	18	0
E-62038	Feed Board Right Posterior	24	0
E-62556	Feed Board Right Posterior	24	0
E-63197	Feed Board Right Posterior	18	0
E-63955	Feed Board Right Posterior	24	0
E-64428	Feed Board Right Posterior	24	0
E-65032	Feed Board Right Posterior	24	0

Will list all the released work order for the item number

Work Order Page

Will show the accepted quantity, rejected quantity and open WIP in all stages

Work Order Details

Item Number

Work Order Number

Board Number

Customer Number

Item No

E-67339

Board No

Customer Number

WorkOrderOrBatch	RoutingStages	AcceptedQuantity	RejectedQuantity	OpenWIP
E-67339	MACHINE-1-B	60	0	0
E-67339	QA INSPECTION	12	0	0
E-67339	MACHINE-1-T	60	0	0
E-67339	QA INSPECTION	12	0	0
E-67339	AOI-1-T	60	0	0
E-67339	AOI-2-B	60	0	0
E-67339	RFI-1-T	60	0	0
E-67339	RFI-1-B	60	0	0
E-67339	NPI QA SMT	60	0	0
E-67339	FPT	48	0	12
E-67339	FINAL INSPECTION	0	0	48
E-67339	NPI FINAL QA	0	0	0

Work Order Page

Work Order Details

Item Number

Work Order Number

Board Number

Customer Number

WorkOrderOrBatch	Routing Stages	Status	CustomerSerialNo
E-67339	MACHINE-1-B	Accepted	
E-67339	QA INSPECTION		
E-67339	MACHINE-1-T	Accepted	
E-67339	QA INSPECTION	Accepted	
E-67339	AOI-1-T	Accepted	
E-67339	AOI-2-B	Accepted	
E-67339	RFI-1-T	Accepted	
E-67339	RFI-1-B	Accepted	
E-67339	NPI QA SMT	Accepted	
E-67339	FPT	Accepted	
E-67339	FINAL INSPECTION		
E-67339	NPI FINAL QA		
E-67339	PACKING		

Will show the status of particular board in each stage

Work Order Page

Work Order Details

Item Number

Work Order Number

Board Number

Customer Number

Item No

Work Order No

Board No

ZSSNFK

WorkOrderOrBatch	Routing Stages	Status	BoardSerialNumber
E-39810	MACHINE-6-T	Accepted	E-39810-54
E-39810	QA INSPECTION-SMT		E-39810-54
E-39810	WATER CLEANING	Accepted	E-39810-54
E-39810	AOI-6-T	Accepted	E-39810-54
E-39810	STUFFING-5	Accepted	E-39810-54
E-39810	WAVE SOLDERING	Accepted	E-39810-54
E-39810	QA INSPECTION		E-39810-54
E-39810	WATER CLEANING	Accepted	E-39810-54
E-39810	TH-5	Accepted	E-39810-54
E-39810	INSPECTION-5	Accepted	E-39810-54
E-39810	QA INSPECTION-TH		E-39810-54
E-39810	ICT	Accepted	E-39810-54
E-39810	BURN IN START	Accepted	E-39810-54

tracking Customer serial number

Bay Change

Home

WorkOrder

Feeder Control

Rework Station

Sub Assembly

Bay Change

ECN

Report

Placement

MSD Details

WIP Report

Soldering & Baking

Bay Change

WorkOrder/Batch

E-67310

Work Center

MACHINE-6-B
QA INSPECTION-SMT
MACHINE-5-T
QA INSPECTION-SMT
AOI-2-B
AOI-2-T
STUFFING-5
QA INSPECTION
TH-1

Update

Select the Bay change option and then enter the WO. Double click on the work center and do the necessary changes and then press Update.

Feeder Control

Program file uploading

Feeder Control

Feeder Details-Header

WorkOrder Number	Routing Stage	Operator Name
<input type="text" value="E-67310"/>	<input type="text" value="MACHINE-6-B,0001"/>	<input type="text" value="RADHAKRISHNAN 2"/>

Upload Details

No file chosen

Uploaded file is 2053537-001-BTM-REV16.xls

- Enter work order , choose routing Stage , operator name and click on file control to upload the program file
- Program file is pre defined- [product partnumber-top/btm-rev](#)
- If the product part number is not matched with the product part number of the work order given file cannot be uploaded

Feeder Control

Feeder Scanning

Scan Details

Part Number <input type="text" value="Part number"/> Value <input type="text" value="Value"/>	IDS <input type="text" value="IDS"/> Reel No <input type="text" value="Reel No"/>	DateCode <input type="text" value="Date code"/> Operator Name <input type="text" value="Operator Name"/>	FeederId <input type="text" value="FeederId"/> <input type="button" value="Submit"/>
--	--	---	---

Display data

Part No	Subsitute	FeederPosition	DateCode	FeederId
R410334-003		1-1L	1849	P-L-050
R411575-002		1-1R	1847	P-R-050
R411576-018		1-2L	1934	P-L-020
R411576-002		1-2R	1818	P-R-020
R410334-008		1-3L	1815	P-L-005

- Scan Item id, ids number, date code, feeder id, operator name and click submit button



Feeder Control

Feeder Reload Scanning

Scan Details ▼

Part Number	IDS	DateCode	FeederPos
<input type="text" value="Part number"/>	<input type="text" value="IDS"/>	<input type="text" value="Date code"/>	<input type="text" value="Feederpos"/>
FeederId	Quantity	Value	
<input type="text" value="FeederId"/>	<input type="text" value="Reel Qunatity"/>	<input type="text" value="Value"/>	
Operator Name	<input type="button" value="Submit"/>		
<input type="text" value="Operator Name"/>			

Reload data ▼

Part No	Subsitute	FeederPo...	DateCode	FeederId	IDS	Date	Qunatity	Value
R2111427...		2-9L	2018.05.14	P-L-004	IDS-18S4...	2019-11-0...	0	26.05 PF
R410334...		1-3L	1903	P-L-0013	IDS-19S7...	2019-11-0...	0	1 K
R2016849...		2-7R	2010	P-R-003	IDS-26672	2019-11-0...	0	95.6 NF
R2111415...		5-10L	1925	P-L-120	IDS-19S5...	2019-11-0...	0	7.510UF
R2055037...		5-11R	1905	P-R-064	IDS-19S7...	2019-11-0...	0	9.367UF
R2110213		3-9L	1845	P-L-001	IDS-19S7	2019-11-0	0	91.9 NF

- Enter itemid, ids number, date code, feeder position, feeder id, quantity value , operator name and click submit button

Process Alert Entry

Item Check List Master

Item Number

2053537-001

Add New Alert

List of methods to be performed

- check any tilt/shift of C49 after SMT placement.,J20,J15,SP1,J30,J31,J6,L18,L15,L19,L16,F3,ALL QFNS,L10,L12,L14 SOL...
- Check the orientation of J16 ,J18, J24 connector and C128
- Ensure the presence of edge components FB19,FB20,FB109 & FB110
- Check the orientation of J16 ,J18, J24 connector and C128
- Ensure there is no lifting of J3&J5
- Ensure the height of the Capacitors part#:R410334-013 before loading (there is heightt variations between different mfr)
- Chesk the topmarking of C47,C58,C87,C92,C105

Save

To enter new row press the Add New Row. After entering the data press Save button.

SFO-ELECTRONICS DIVISION - COCHIN

: check any tilt/shift of C49 after SMT placement.,J20,J15,SP1,J30,J31,J6,L18,L15,L19,L16,F3,ALL QFNS,L10,L12,L14 SOLDER JK

Search Tab

Batch Details

MSD Details

Moisture Sensitive Device Details

WorkOrder

Issued Quantity

Item No

MSD Level

IDS

Floor Life

WorkOrder	Item No	IDS	Issued Quantity	MSD Level	Floor Life in t
E-67310	R2061044-001	IDS-19S62...	461	3	23
E-67310	R2052425-001	IDS-19S61...	302	3	23
E-67310	R2052424-001	IDS-19S70...	362	3	23
E-67310	R2049147-001	IDS-19S73...	808	3	109
E-67310	R2033905-001	IDS-19S61...	62	2	229
E-67310	R2052033-001	IDS-19S61...	263	3	71
E-67310	R2053527-001	IDS-19S67...	540	2	145
E-67310	R2052592-001	IDS-19S61...	540	2	145

- Enter work order, item number ,ids number, issued quantity, MSD level, floor life and click add button

MSD Details- Home page

Batch Details

Batch Number

E-67310

WO Number

E-67310

No Life remaining.

Item Number

2053537-001

Product Revision

Show MSD

Routing Stage

Lot size

540

Start Date

Date: 02-11-2019 ; Time: 00:00:00

Wo Aging

7 days

MSD Details

ItemNo	Ids	Operati...	issued...	msdLevel	FloorLife	Balance...
R20610...	IDS-19S...		461	3	23	0
R20524...	IDS-19S...		302	3	23	0
R20524...	IDS-19S...		362	3	23	0
R20491...	IDS-19S...		808	3	109	69
R20339...	IDS-19S...		62	2	229	189
R20520...	IDS-19S...		263	3	71	31
R20535...	IDS-19S...		540	2	145	105
R20525...	IDS-19S...		540	2	145	105
R42067...	IDS-19S...		1282	2	23	0

Sub Assembly Mapping

Sub Assembly Details

Board Number-Top Level:

Routing Stage:

Batch No	Order No	Operation No	Routing Stage...	High Level SI No	SubAssembly SI No	Sub .
E-66366	E-66366	001	MECH INTEG...	E-66366-09	E-66365-09	
E-66366	E-66366	001	MECH INTEG...	E-66366-09		

- Enter the top level board and choose routing stage and click add row according to the number of sub assembly to be mapped
- Double click on the subassembly sl no column and scan the sub level board number and click the save button
- For mapping sub assembly board to top level assembly , the sub level board must be accepted in all stages

Consumable Issuing to production line

Consumables Details

Item Number

Ids Number

Date Code

Expiry Date

User Name

BottleNumber	ItemNumber	Date	IdsNo
56	63-011-0017	8/24/2016:8:00:03 AM	ids-16s490
45	63-011-0017	8/23/2016:8:00:02 AM	IDS-16S49
43	63-011-0026	8/23/2016:8:17:39 AM	IDS-16S50
64	63-011-0014	8/25/2016:8:18:55 AM	IDS-16S49
54	63-011-0014	8/24/2016:8:19:55 AM	IDS-16S49
69	63-011-0017	8/25/2016:8:21:01 AM	IDS-16S49
66	63-011-0026	8/25/2016:8:21:55 AM	IDS-16S50
67	63-011-0026	8/25/2016:8:22:58 AM	IDS-16S50

- Enter item number, ids number, chose date code, expiry date, user name and click add button
- Item will be issues to the screen and a level with bottle number will be issued from the system and must be pasted on the consumable



Consumable Verification -Home Page

Batch Number

E-67310

WO Number

E-67310

Item Number

2053537-001

Product Revision

R420673-003,

Remaining life is only 2hrs.

Show MSD**Routing Stage**

MACHINE-6-B:0C

Lot size

540

Start Date

Date: 02-11-2019 ; Time: 00:00:00

Wo Aging

7 days

Show Equipment

Consumables

Bottle No

Bottle No

Item No

ItemNo

User Name

User Name

- Enter the bottle number, item number from label print out and user name
- System will validate the towing time and expiry date of the item scanned
- If validation successfully the consumable is accepted

Available Reports

Report

Report

Report Name

- Defect Comparison with Pie chart
- StageWiseLatency report
- NCMR Report
- TH Traceability Report
- Actual and Defect Count Stage Wise
- ECN Details
- Baking Details
- WIP Summary
- Scanned Board Details
- WO Trace_Report

WorkOrder Number

Routing Stage

To Date

Machine

1. WIP report
2. DPMO report
3. Defect report
4. Feeder Report
5. Delay report

Thank You



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