PRODUCTION ERP

Developed By: **Excellent Softwares**

Process Flow

Pre Sales Module

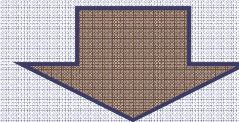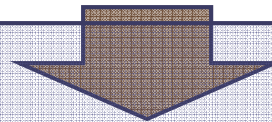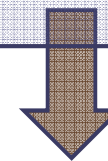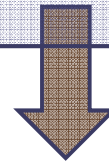| Projection | Sales Order |

↓ ↓

Production Indent
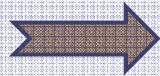
↓

Pre Purchase Module
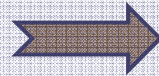
MRP

↓

Purchase Order

Process Flow

Purchase Process
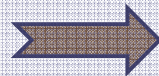
Purchase Order → MRN → Quality Control → Purchase Invoice

Production Process

Production Plan → Material Issuance → Production Process
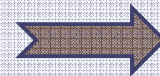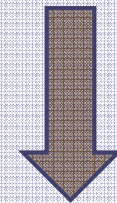
✓MATERIAL REQUEST
✓MATERIAL ISSUE

FG in Finished Store ← Quality Control ← Production Confirmation
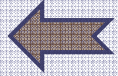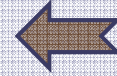
Process Flow

Production against Challan

```
┌─────────────────────────┐                    ┌─────────────────────────┐
│   Job Work  Challan     │   ──────────▶      │   Production Plan       │
│  (With Delivery Order)  │                    │   Generated             │
└─────────────────────────┘                    └─────────────────────────┘
            ▲                                               │
            │                                               ▼
 MATERIAL RECEIVED AGAINST
 DELIVERY ORDER
            ▲                                               │
            │                                               ▼
┌─────────────────────────┐                    ┌─────────────────────────┐
│  Shortage Challan Issue │   ◀──────────      │   Material Issuance     │
└─────────────────────────┘                    └─────────────────────────┘
                                                            │
                                                            ▼
                                               ┌─────────────────────────┐
                                               │   Production            │
                                               │   Confirmation          │
                                               └─────────────────────────┘
```
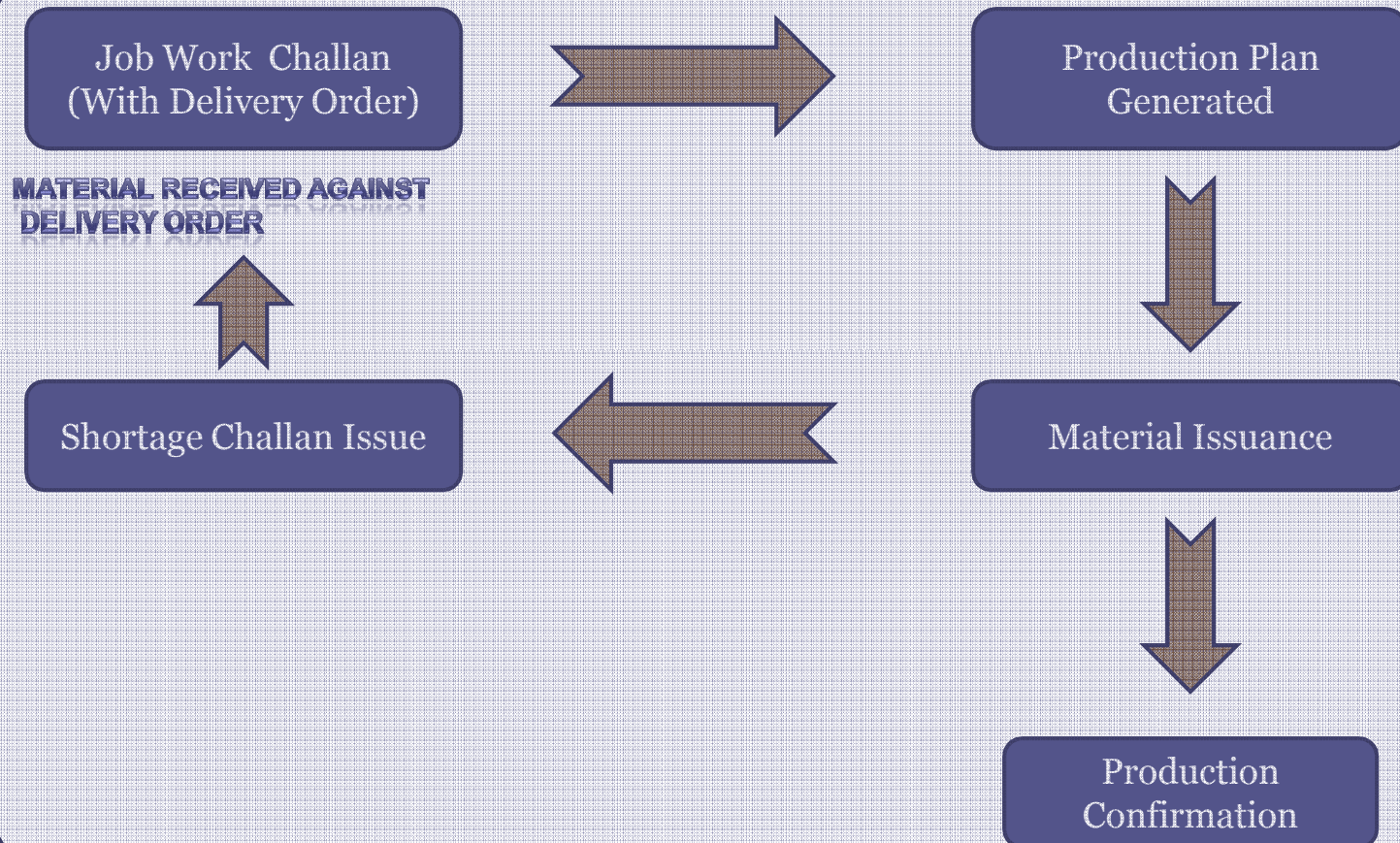
Process Flow

Dispatch Process

Sales Order	Projection	Delivery Order	Without Order

Sale Invoice
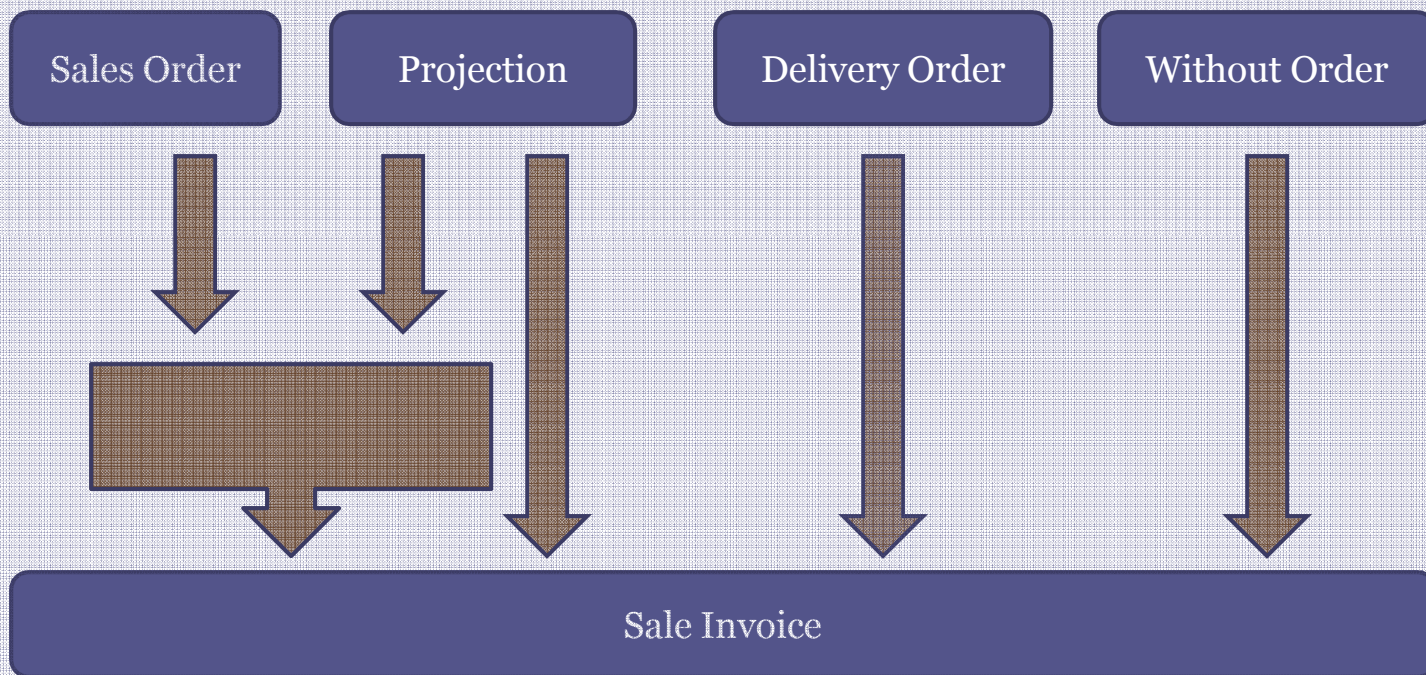
Pre Planning

Material Planning

Projection — Party Projection Received

Sale Order — Party Sale Order Received

Production Indent — Production Indent from Projection\Sale Order

M.R.P — Material Requirement Planning

Pre Planning - Projection

Projection

3. Fill Quantity Required

2. Select Color, Modal and Part Code

1. Select Item for Projection

Add Projection

Projection Detail

Series *

Vch No *

Date * 22/08/2015

Due Date * 21/08/2015

Ref No. *   Dispatch No. *

Customer Details

Customer *

Address

Projection Item Details

SrNo	Item Code	Item Name	Color	Modal	Part Code	Qty	Uom	Del Date	Price	Value
1										
2										
3										
4										
5										
6										
7										
8										
						0				0

Remark

Save   Save And Submit   Quit

Pre Planning - BOM

Routing of Item

Item Wise Production Process details

BOM Routing Configuration

Item Details

Series *	Local Routing	Code *	RT 1047	☐ Freeze
Item *	GH98-22132E	Item Description	ASSY COVER BATT;C Assortment	
Quantity *	1.00	Unit *	Pcs.	Valid From 15/12/2014
Color	Black		GT-C3322NA	
No. Of Cavity *	1	Insert Process N		
Mold No. *	03			

Item Image

Routing Details

Stage	Process	Amount	Setup Time	UoM	Cycle Time	UoM	Job Work(Y/N)	QC(Y/N)	Machine Dep.	Is Final
1	Injection	0.00	0.00		0.00		N	N	N	N
2	ONE TIME COATING	0.00	0.00		0.00		N	N	N	N
3	Printing	0.00	0.00		0.00		N	N	N	N
4	Case Assly	0.00	0.00		0.00		N	N	N	N
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										

Pre Planning - BOM

Injection Process

Injection Process Consumed and Produce Item details

BOM Process Item Details

Item Name	ASSY COVER BATT;C3322I;BLACK	Color	Black	Assortment	
Stage No.	1	Process	Injection		
Qty	1	Uom	Pcs.	Rate	0.00

Consumed Item Details

Sr.	Item Code	Description	colour	Model	Part Code	Source	Rate	Cons. Qty	Uom	Produc
1	ML01-001K226	RESIN PC EH-1050-	Black	NA	NA		232.75	9.5	Grar	
2										
3										
4										
5										
6										
7										
8										
9										
10										

Produced Item Details

Sr.	Item Code	Description	colour	Model	Part Code	Qty	UOM	Rate	Cost
1	WP01-3322B	INJ COVER BATT,33	Black	GT-C3322I	NA	1.00	Pcs.	2.21	2.21
2									
3									
4									
5									
6									
7									
8									
9									
10									

Save | Quit

Pre Planning - BOM

One Time Coating Process

One Time Coating Process Consumed and Produce Item details

BOM Process Item Details

Item Name	ASSY COVER BATT;C3322I;BLACK	Color	Black	Assortment	
Stage No.	2	Process	ONE TIME COATING		
Qty	1	Uom	Pcs.	Rate	0.00

Consumed Item Details

Sr.	Item Code	Description	colour	Model	Part Code	Source	Rate	Cons. Qty	Uom	Produc
1	WP01-3322BC	INJ COVER BATT,3	Black	GT-C3322I	NA		2.2111	1	Pcs.	
2	ML02-004130S	SK-13025SV(3322)|					1100	0.0019	Kg	
3	ML02-006155C	Uvichem-HG-15500					850	0.0048	Kg	
4	ML03-004TH79	SILVERLUX HD-790					210	0.0033	Kg	
5	ML08-004PCGF	PC+GF PRIMER (Z)					465	0.0003	Kg	
6										
7										
8										
9										
10										
11										

Produced Item Details

Sr.	Item Code	Description	colour	Model	Part Code	Qty	UOM	Rate	Cost	
1	WP05-3322B	ONE TIME COAT BA	Black	GT-C3322I	NA	1.00	Pcs.	9.21	9.21	
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

Save   Quit

Pre Planning - BOM

Printing Process

Printing Process Consumed and Produce Item details

BOM Process Item Details

Item Name	ASSY COVER BATT;C3322I;BLACK	Color	Black	Assortment	
Stage No.	3	Process	Printing		
Qty	1	Uom	Pcs	Rate	0.00

Consumed Item Details

Sr.	Item Code	Description	colour	Model	Part Code	Source	Rate	Cons. Qty	Uom	Produc
1	WP05-3322BCE	ONE TIME COAT BA	Black	GT-C3322I	NA		9.2136	1	Pcs.	
2	ML06-009HCWI	HC-white(POM)					3974.2	0.01196	Grar	
3	ML06-009HC51	HC-510 Yellow					4771.8	0.000422	Grar	
4	ML06-009HC52	HC-520 Blue-Yellow					4771.8	0.0052	Grar	
5	ML06-009HC58	HC-580Magenta					4771.8	0.000138	Grar	
6	ML04-009HCHA	HC-Hardener					4853.0	0.0034	Grar	
7	ML06-009HCBL	HC-black(POM)					3943.1	0.00256	Grar	
8	ML12-012000B	BK-METHYL ISO BU					220	0.4167	Grar	
9										
10										
11										

Produced Item Details

Sr .	Item Code	Description	colour	Model	Part Code	Qty	UOM	Rate	Cost
1	WP06-3322B	CASE BATT COVER	Black	GT-C3322I	GH72-66406E	1.00	Pcs.	9.41	9.41
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									

Save   Quit

Pre Planning - BOM

Case Assembly Process

Case Assembly Process Consumed and
 Produce Item details

BOM Process Item Details

Item Name **ASSY COVER BATT;C3322I;BLACK**   Color **Black**   Assortment

Stage No. **4**   Process **Case Assly**

Qty **1**   Uom **Pcs.**   Rate **0.00**

Consumed Item Details

Sr.	Item Code	Description	colour	Model	Part Code	Source	Rate	Cons. Qty	Uom	Produc
1	WP06-3322BCI	CASE BATT COVER	Black	GT-C3322I	NA		9.4069	1	Pcs.	
2	GH74-55499A	VINYL-PROTECT BA	NA	GT-C3322I	NA		1.21	1	Pcs.	
3										
4										
5										
6										
7										
8										
9										
10										

Produced Item Details

Sr .	Item Code	Description	colour	Model	Part Code	Qty	UOM	Rate	Cost
1	GH98-22132I	ASSY COVER BATT.	Black	GT-C3322I	NA	1.00	Pcs.	10.62	10.62
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									

Save   Quit

Pre Planning – Sale Order

Sale Order

Fill Party and Party PO No

Fill Item and Quantity

Add Sale Order

Sale Order Details

Series *

SO Date 22-Aug-201 ▾   So.No.

Del. Start Date 22-Aug-201 ▾   Del. Exp. Date 29-Aug-201 ▾

Delivery And Payment Terms

Delivery Terms *

Payment Terms *

Currency *

Upload Bill ......

Multiple Shipping Y   View SO....

Customer Details

Sold To *

Address

Other Details

Sale Type *   Account Manager   Po. No.

Sr. No.   Customer Item Code

Line Item Details

SrNo	Item Code	Item Name	Color	Modal	Part Code	Quantity	Uom	Rate	Amount	Del. Date	Shipping A
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

0.00   0.00

Remark

Bill Sundry Details

SNo	Bill Sundry	Narration	@	Amount(Rs.)
1				
2				
3				
4				

0.00

Save   Save And Submit   Quit

Pre Planning – Production Indent

Production Indent

Select Item with details and fill Production Quantity

Add Production Indent

Sale Order Details

Series * Date 22-Aug-201▾ Vch.No.

Line Item Details

SrNo	Item Code	Item Name	Color	Modal	Part Code	Qty.	Uom	Price	Value	Due Date
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

0.00   0   0.00

Save   Save And Submit   Quit

Pre Planning – MRP

MRP –From Production Indent

1. Explode Production Indent

Detail of Material Required

MRP On Production Indent
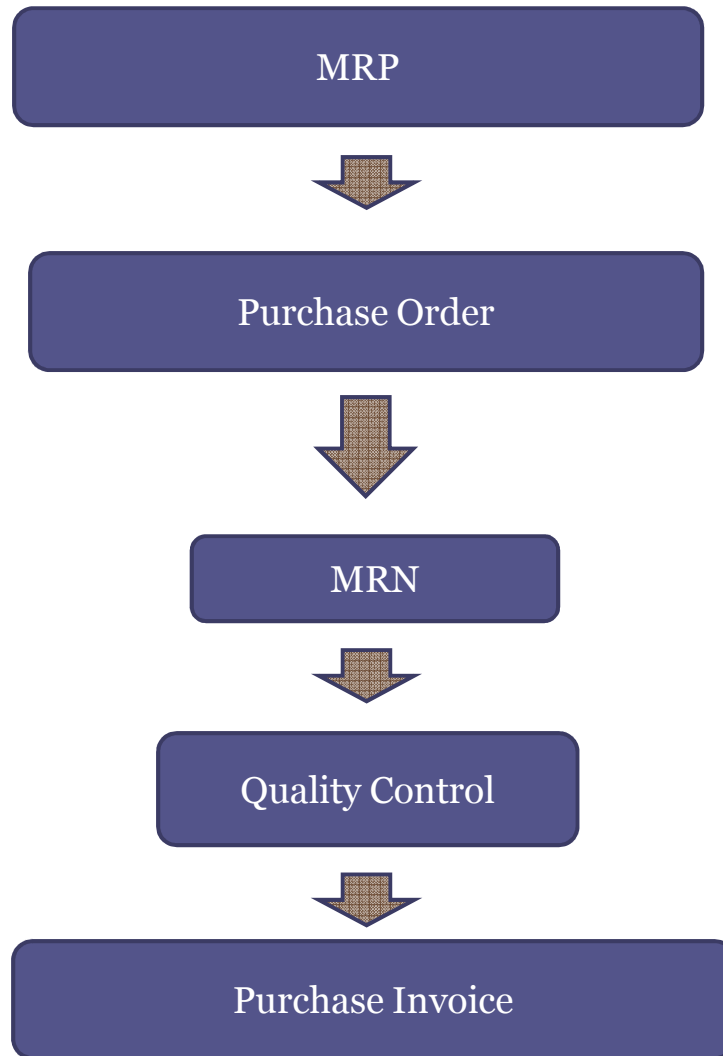
Selection

Series [_____] Item   From [22-Aug-2015 ▼] To [22-Aug-2015 ▼] [Load]

Indent Details

SrNo	Indent N	Date	DueDate	Item Code	Item Name	Color	Modal	Part Code	IndentQty	Exploded	Balance Q	MRP Qty	Uom	Stock	Cons
1															
2															
3															
4															
5															

[MRP Run]

SrNo	Indent No.	Item Code	Item Name	Color	Modal	Part Code	IndentQty	PSrN	Process	BomItemCode	ItemName	Co
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

PR Series *   Date [22-Aug-2015 ▼] VchNo   [Save] [Quit]

Purchase

MRP

↓

Purchase Order

↓

MRN

↓

Quality Control

↓

Purchase Invoice

Purchase Order

Purchase Order

Fill Purchase Item Details

Select Party for PO

Add Purchase Order

Purchase Order Details

PO Series * |

PO Date * 22-Aug-2015 ▾   PO. No.

Supplier *

Purchase Order Payment Currency Details

Delivery Terms	*		Exch Rate	*	1
Payment Terms	*		Purhase Type	*	
Currency	*		Reference		
Delivery Date	*	22-Aug-2015 ▾			

Purchase Order Line Item Details

SrN	Item Code	Item Name	Color	Modal	Part Code	Quantity	Uom	VEP(%	Del. Date	Rate	Amount	Material Center
1												
2												
3												
4												
5												
6												
7												
8												

0.00   0.00

Bill Sundry Details

SNo	Bill Sundry	Narration	@	Amount(F

0.00

Dispatch Through

Remark

1. Documents To Be Included.

2. ROHS/MSDS/TEST REPORT(It Can Be Send Along With The

3. It Should Gurantee That Chlorine Base Resin Which Is Reg

| Save | Save And Submit | Quit |

Purchase- MRN

MRN against Purchase Order

2. Fill Bill/Transport Details

3. Fill Received Quantity

1. Select Party and Select PO No from List

Add Material Receipt

Material Receipt Details
Series *

MR Date 22/08/2015 MR No.

Supplier *

Currency *   Po No.

Bill Details
Number *   Date 22/08/2015 Total Bill Unit

Amount *   Excisable Bill Y/N N   Currency *

Upload Bill *   Upload Bill Purchase Type

Exch Rate *   1   View Bill.

MR Item Quantity Details
Order Qty.   Pend. Qty.

Received Qty.   Receive Qty.

Transport Details
Transporter   Vehical Type

Driver Name   No.

MR Item Details

SrNo	ItemCode	Item Name	Customer Item	colour	Model	Part Code	Ord.Qty	Rec.Qty	BalQty	Qty	Uom	Price	Value

0.00

Bill Sundry Details

SNo	Bill Sundry	Narration	@	Amount(Rs.)

0.00

Gate Entry Details
Entry No.   Date 22/08/2015

Entry By

Remark

[Save] [Save And Submit] [Quit]

Quality Check – Purchase Material

Quality Check of Incoming Material

Load Details and Click on Process to perform Quality Check

QC Incoming Material

Searching Details For QC

GR Series				
MRN Number	From		To	
Receipt Date	From	22/08/2015	To	22/08/2015
Item Code				
Customer Bill No.		**Load Data**		

Sr No.	GRN No.	GRN Date	Purchase Ord	Supplier Name	Bill No.	Bill Date	ItemCode	Description	Model NO.	GRN QTY	UoM	Processed

Quit

Purchase- Incoming Quality

Quality Check Result

1. Fill Passed Quantity

2. Fill Actual Value as per QC

QC Incoming Material Approval

QC Sr No.	1	Date	27/11/2013	Purchase Order No.	100000023
Bill No.	1233	Bill Date	27/11/2013	Uom	Mtr
Supplier Name	United Decorative			GRN Number	330006
Item Code	RM-100002	Description	Mocka		
GRN Qty	500.00	Processed Qty	0.00	Material Center	RM Store
Balance	500.00	Series *	Local_RM_QC	Batch No	0
Passed/Rejected Qty *	500	Final Result *	Pass	Color **Black** Size **1.5 mm** **Online**	

Sr No.	QC Specs	Description	Sampling Type	Target	Lower Value	Upper Value	Actual Value	User Remark	Result
1	Thickness	Thickness	Random	1.40	1.30	1.50	1.41		Pass
2									
3									
4									
5									
6									
7									
8									
9									
10									

Remark

Save   Quit

Purchase- Invoice

Purchase Invoice

Add Direct Purchase

Purchase Order Details
Series *

Date *   22-Aug-2015   Vch. No.

Supplier *

Bill Details
Number *

Amount *

Upload Bill *

Exch Rate *   1

Date 05-Jan-201   Total Bill Unit

Excisable Bill Y/N N   Currency *

....   Purchase Type

View Bill......

Party Bill Details

Sr.N	Bill No	Bill Date	Bill Qty	Bill Amt.	Customer	MRN. Date	MRN No
1							
2							
3							
4							

0.00   0.00

Purchase Order Line Item Details

Sr.No	Item Code	Item Name	Quantity	Uom	Rate	Amount	Material Cente
1							
2							
3							
4							
5							

0.00   0.00

Bill Sundry Details

SNo	Bill Sundry	Narration	@	Amount(Rs.)
1				
2				
3				
4				

0.00

Save   Save And Submit   Quit

Production

Production Indent	→ Production Plan ←	DO Sheet (Job Challan)

Material Request / Material Issue ↔ Material Issuance

Material Issuance → Production Floor

Material Issuance → Job Work Production

Production Floor → Production Process ← Job Work Production

Production Process → Production Confirmation

Production Confirmation → FG Produced / Scrap Produced

Production Plan

Production Plan from MRP

Load Production Indent and Save to Create Plan

Production Plan From Production Indent

Production Plan Details

Series * | Date [22-Aug-2015 ▼]   Vch.No.

Search Data

Indent Series   Item   From Date [22/08/2015 ▼] To [22/08/2015 ▼] [Load Indent]

SrNo	Indent No	Indent date	Due date	Item Code	Item Name	Color	Modal	Part Code	Indent Qt	Planed Qt	Bal Qty.

Plan Routing detail

Sr.N.	IndentN.	FromDate	ToDate	FG Code	PSrN	Process	Item Code	Item Name	Color	Modal	Part Code	Proce

Consume Item Details

PlanSrNo	IndentNo	FG Code	PsrNo	Process	ItemSr	ItemCode	Item Name	Color	Modal	Part Code	Req.Qty

[Save] [Save And Submit] [Quit]

Production Plan

Production Plan

Fill Plan Quantity and Cavity

Production Plan

Ind. No - 34   Indent SrNo.- 1
Item -   ASSY REAR COVER,360,GRAY   Color -   Gray
Size -   SM-G360H   PartCode -   NA
PlanQty - 1000   Bal. Qty -   0

Plan Details

SrNo.	Plan Date	Last Date	Plan Qty	Cavity	Mold No
1	22-Aug-2015	22-Aug-2015	500	1	05
2	23-Aug-2015	23-Aug-2015	500	1	05

1000

Save   Quit

Production Day Planning

Production Day Wise Planning

Select Process wise Plan to Plan Day Planning

Day Wise Planing

Day Wies Production Planning

| Plan Series * | | Date * 22/Aug/2015 | Vch. NO * |

Filter

Prod. Series   Date 22/08/2015   To   22/08/2015

Process *   Item   Get Details

Item Details

SrNo	Tick	Plan No	Item Code	Item Name	Color	Modal	Part Cod	Process	Plan Qty	Toll Per	Day Plan	Toll Qty	Day Prod	Shift

☐ Select All

SrNo	Plan No	Item Code	Item Name	Color	Modal	Part Code	Req Qty	Uom	Stock Qty

Check Stock   Save   Save Submit   Quit

Material Issuance

Material Issue against Request

2. Fill Required Quantity

1. Load Process Wise Production Plan to Issue Material

Material Issue Against Manual Request

Request Details

Series * | Date * `22/08/2015` ▾   Vch. NO *

Process *   From Floor *

Request No *   Issue By *   **Load Data**

SrNo	Item Code	Item Name	Color	Modal	Part Code	Req Qty	Issued Qt	Bal. Qty	Qty	Stock Qty	Uom	From Process

Save   **Save And Submit**   **Quit**

Production – Confirmation

**Production Confirmation
(For FG and Scrap)**

Select Day Wise Production detail to Receive

Production Confirmation

Job Confirmation
Prod. Series *   Date * [22-Aug-2015 ▼]   Vch. NO *

Filter
Customer *   Item   Process *
Day Wise Series *   Date [22-Aug-2015 ▼] To [22-Aug-2015 ▼]   [Get Details]
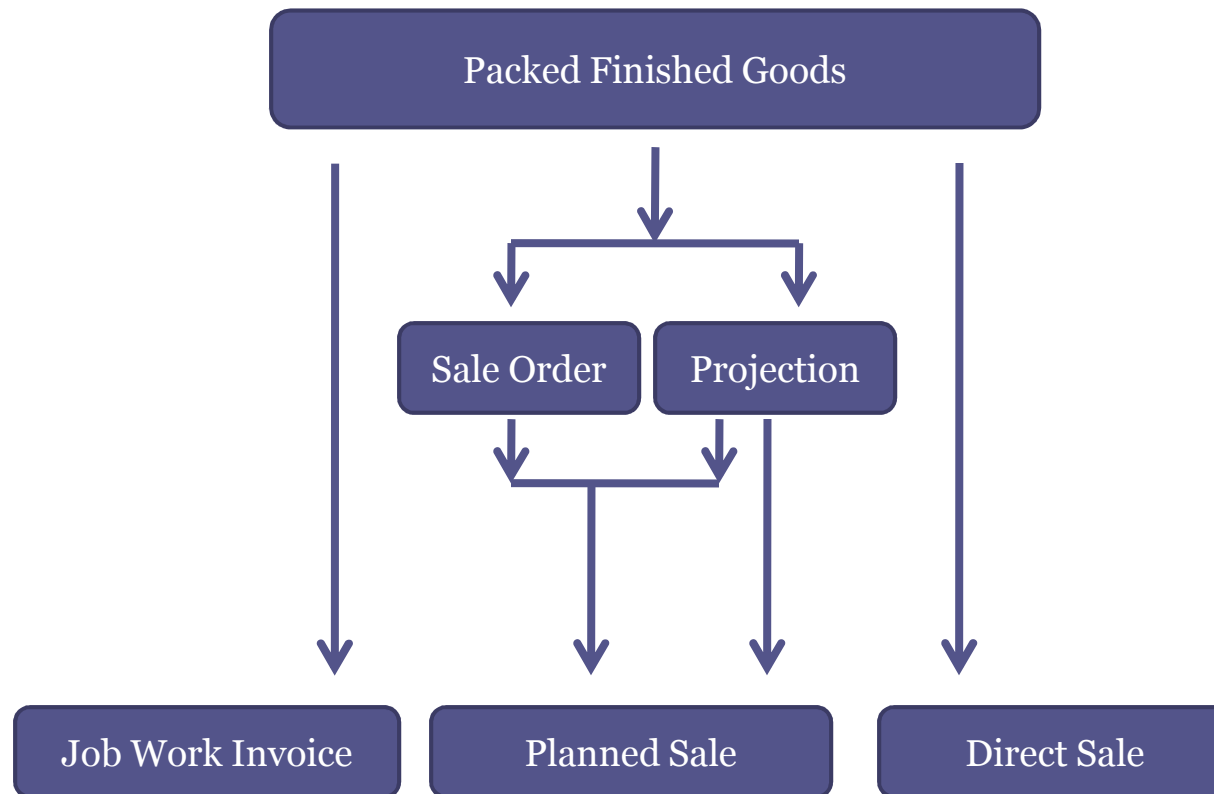
Item Details

SrNo	Tick	Plan No	Process Date	Item Code	Item Name	Color	Modal	Part Cod	Plan Qty	Prod. Qty	Bal Qty	Rej Qty	Qc Qty	Uom	M

0.00   0.00   0.00

SrNo	Item Code	Item Name	Color	Modal	Part Cc	Req Qty	Cons.Qty	Rej Qty	Uom	Stock Qty	From Process	Remark

[Check Stock] [Save] [Save Submit] [Quit]

Dispatch

```
                    Packed Finished Goods
                              │
        ┌─────────────────────┼─────────────────────┐
        │            ┌─────────┴─────────┐           │
        │        Sale Order          Projection      │
        │            └────────┬──────────┘           │
        │                     │                      │
        ▼                     ▼                      ▼
  Job Work Invoice       Planned Sale           Direct Sale
```

Sale- Invoice

Invoice against Sale Order or Projection

Fill Party and Create SI against SO or Direct SI

Add Sale Invoice

Invoice Details

Series	
Date	22-Aug-2015 Inv No.
Customer	
Po. No.	Against Order Y
Annexure	Against Annexure Y

Delivery And Payment Terms

Delivery Terms *	
Payment Terms *	Ref. No.
Currency *	Sale Type *

Line Item Details

SrNo	Item Code	Description	Color	Modal	Part Code	BalQty.	Qty.	Uom	Rate	Amount	Stock Qty
1											
2											
3											
4											
5											
6											
7											
8											
9											

0.00   0.00   Export

Bill Sundry Details

SNo	Bill Sundry	Narration	@	Amount(Rs.)
1				
2				
3				
4				
5				

0.00

Transporter Details

Transporter	GR No.
Vehicle No.	Way Form No.

Remarks

Save   Save And Submit   Quit

Sale- Invoice

Job Work Invoice

Fill Party and Create SI against Job Work Challan

Add Job Work Invoice

Invoice Details
Series   JW Sale

Date   22-Aug-2015   Inv No. JW   1000002

Delivery And Payment Terms
Delivery Terms   *   30 Days

Payment Terms   *   30 DAYS   Ref. No.

Currency   *   Inr   Sale Type   *   Exempted

Customer Details
Sold To   Samsung India Electronics Pvt. Ltd

Address   B-1, Sector-81, Phase-II, Noida,Gautam Budh Nagar,Uttar Pradesh,

Line Item Details

SrNo	Challan No.	Production No.	Purchase No.	Item Code	Description	colour	Model	Part Code	BalQty.	Qty.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Export

Bill Sundry Details

SNo	Bill Sundry	Narration	@	Amount(Rs.)
1				
2				
3				
4				
5				

Transporter Details
Transporter   GR No.

Vehicle No.   Way Form No.

Remarks

0.00

Save   **Save And Submit**   **Quit**

Other Features

➢SALE ORDER \ PRODUCTION ORDER CONCEPT
➢STOCK JOURNAL
    A. RM AND OTHER
    B. SEMI FINISHED GOODS
➢STOCK MOVEMENT
    A. FREE STOCK TO RESERVE STOCK AND VICE VERSA
➢PRODUCTION PLAN COMPARE (CHANGE CURRENT PLANNING AS PER CURRENT BOM)
➢CUSTOMER GR CAPTURE
➢STOCK TRANSFER (STORE-FLOO)
➢SALE \ PURCHASE RETURN
➢RGP \ NRGP CHALLAN

Reports

Daily Reports
- Daily Report

Work Status User-Wise
- Department Wise Summary

Purchase
- Purchase Requisition
  - Un Approved Purchase Requisition
  - Pending Purchase Requisition
  - Close Purchase Requisition
  - Back Tracking Purchase Requisition

Quotation
- Un Approved Quotation
- Pending Quotation
- Close Quotation
- Back Tracking Quotation

Purchase Order
- UnApproved Purchase Order
- Pending Purchase Order
- Close Purchase Order
- Po To PR Qty Variance Report
- Po to PR Price Variance Report
- Back Tracking Purchase Order

Reports

Material Receipt

              Unapproved Material Receipt
              Pending Material Receipt
              Po To MRN Qty Variance Report
              Po To MRN Price Variance Report

Back Tracking Material Receipt

              MRN Bill Wise Details
              MRN Details
              MRN Chapter Head Wise Details

MRN PO Details

                     Against PO
                     Against MRN

Purchase Invoice

              Purchase Details
              Daily Purchase Summary
              Purchase Summary
              Yearly purchase
              Quality Check
              Unapproved QC
              Pending Material Repceipt For QC
              Daily QC Report
              Back Tracking QC
              QC Details

Thank You