Production (MES)

Production Management — Shop Floor Tracking — Inspections

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Integrated Planning & Scheduling Flowchart

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Material Issue To WIP Flowchart

Retrieve & Look Up Order Scan Into Order

Scan / Click To Update Work Location On Job Router To Reflect Order Status

Deliver Order Tags, Comments, & Technical Specs Tracked On The Order (From Sales, Engineering, Or Production Mgmt) & Deliver To Shop Floor Order View

View Work Order Traveler, Router, & In-Line Work Instructions Electronically / On Paper Traveler Printed From System

Sign Initials & Collect Data In-Line With Electronic Work Instructions; Prevent Order From Moving Forward Without Sign-Off / Data Collection

Immediate Access To Work Order Documents / Drawings (All Docs / Related Docs Attached To BOM, Quote, Job, etc.)

- Product Engineering Drawings
- Cut Sheets
- Work Instrusctions
- Cert. of Conformance Reach (EU)
- Traveler / Router
- Barcoded Serial Enumeration ? Labels

Clock Into Orders, Track Work Location Assignments & Queue Times; Track Active / Open Labor Across All Orders In Shop

Track Direct Labor / Overhead Only (e.g. Machine Run-Time); Track Employee Overtime At 1.5x Cost

The Supervisor Role To Manage Time On Behalf Of Shop Floor User Groups & Work Center

Receive System Generated Automatic Notifications Upon Job Status Changes and Work Location Updates

Send Status Updates To Production Supervisors With Email Alerts Directly From Shop Floor

Mark Scheduled Production Steps As "Complete" To Update Order Schedule

Stay On Top Of Work Order Scheduled Dates; Refactor Work Schedule Dynamically As Needed

Manage Materials Involved In Production With Order-Specific BOMs; Substitute Interchangeable Material Within Part Spec Groups

Track Movement Of Pieces Of Material Through Production Process

Send Work Order To Outsourcing Contract MFG Link Outsource PO

Check Out Equipment / Asset / Tool To Work Order; Track Asset Usage On Order To Drive Maintenance Requirements

Split Work Order Quantity & Material / Labor Into Separate Line Items

Stay On Top Of Work Order Scheduled Dates; Refactor Work Schedule Dynamically As Needed

Track All Material Consumed Against Orders; Flag Scrapped Material, i.e. Material Consumed Due To Scrap

Send Part Requests To Warehouse Directly From Shop Floor; Link Inventory Codes To Dictate Inventory Impact Of Scrapped Material

Automatically Communicate Material Requirements To Purchasing If A Purchase Is Needed To Replenish Parts Damaged Or Scrapped

To MRP

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Packing/ Shipping/ Invoicing Flowchart

Integrated Quality Flowchart

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