

ERP Software for Plastics Manufacturers & Injection Molding Industries



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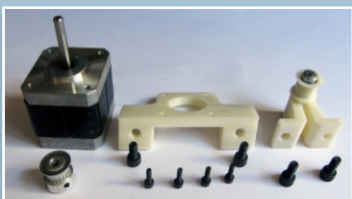
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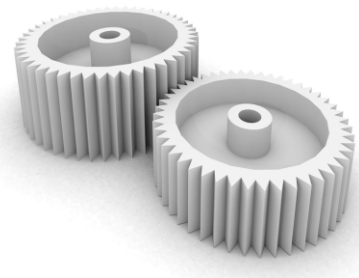
Roadmap IT Solutions with more than two decades of experience has successfully implemented "Roadmap ERP" in 150+ companies in 20+ vertical across India and KSA. Roadmap Business Process experts understand the complexities, unique challenges in plastics manufacturers and constantly enhances its ERP software functionality to further streamline business processes in Plastics manufacturing. With its gaining expertise in plastics manufacturing, Roadmap provides powerful, industry-specific features designed to address unique needs of plastics industries.

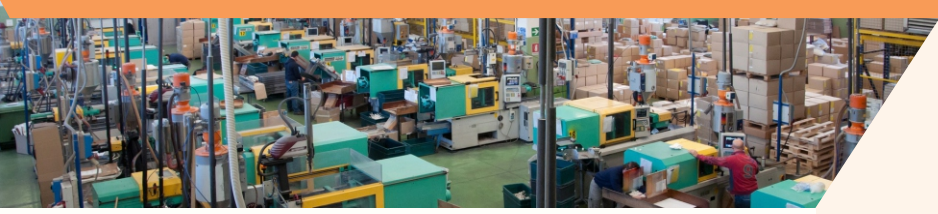
SALIENT FEATURES



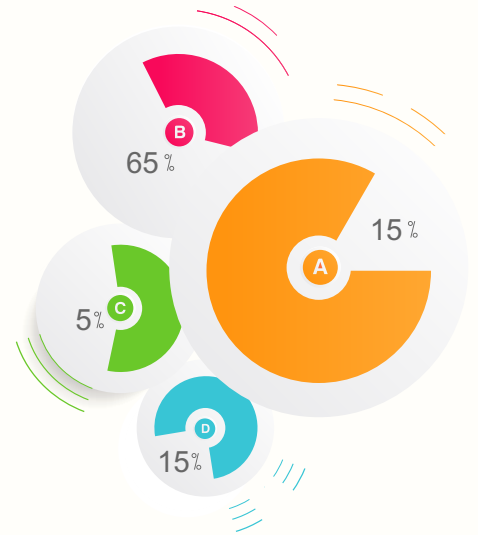
- ▲ **Multi Unit Support (Highly Scalable):** Roadmap ERP supports the organizations having one or multiple plants/units in different locations. The plants/units may produce various finished product, subassemblies or may do specific processes only.
- ▲ **Multi-Level Bills of Material (BOM):** Supports organization to maintain product routing and multi level bill of material with machine and tool required details.
- ▲ **Tools:** Tools and its output products & quantity can be mapped easily. Tool utilization details getting update when the production takes place with the tools.
- ▲ **Material Requirement Planning:** Planners can run the MRP at any time by loading demands from customer schedule (Firm, Tentative and Firm & Tentative), Sales Orders and generate the material requirements.
- ▲ **Planned Order Release:** Procurement Orders such as purchase request for the raw materials (plastic granules), bought out components and production order can be raised from the MRP Release.
- ▲ **Determination of Batch Qty:** ERP suggests producible batch quantity from the available stock and user will have option to change the priority and quantity.
- ▲ **Machine / Tool Setting Approval:** User can enter the machine & tool setup details and get approval before production.
- ▲ **Injection Molding:** Injection molding business process helps the user to capture machine & tool used, hourly shots, dry shots, o/p products, accepted, self qc rejection, First Piece, Last Piece sample quantity and enables the user to forward accepted quantity to QC department for further QC.

- ▲ **Material Consumption:** User will have an option of adding, consuming the materials which are not part of standard bill of materials such as runner items apart from the raw materials.
- ▲ **Scrap Note Approval:** Scrap can be moved to scrap area through scrap note approval if actual scrap percentage exceeds the standard/allowed percentage.
- ▲ **In Process Inspection:** Organization can take the samples randomly during injection molding on certain frequencies and register the QC observation.
- ▲ **Process Wise Inspection:** Organization can have option to do the inspection at the time of production process completion.
- ▲ **Final Product Inspection:** Organization can optionally have Final Product Inspection.
- ▲ **Pre-Dispatch Inspection:** This kind of inspection normally required before dispatching. FG is stored in separate warehouse, where pre-dispatch inspection is requested, FG is moved to PDI warehouse, upon completion of the warehouse material moved to shipping warehouse from where the material can be invoiced and shipped to customer
- ▲ **Outside Process:** Organization can send the processed material to subcontractor for outside processing and option to receive the completely processed, partially processed and scrap materials from the subcontractor.
- ▲ **Traceability Report:** Organization can track raw material lot/batch numbers, injection molding details from FG lot and invoice number.
- ▲ **Repair/Rework:** Through Repair/Rework functionality, rejected materials can be repaired, disassembled or scrapped.
- ▲ **Production Monitoring System:** User can track the FG materials in shop floor by production order number wise, process wise, lot number wise and work center wise.
- ▲ **Costing:** Standard cost for the FG can be calculated and fixed. Actual cost /batch/item can be tracked by different cost elements such as material, labor, machine, overheads etc.
- ▲ **Scheduling:** Organization can effectively schedule the machines against the production orders and products

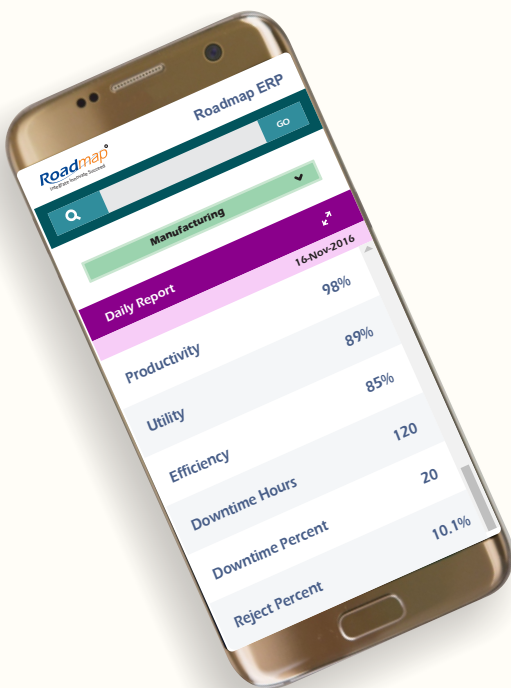




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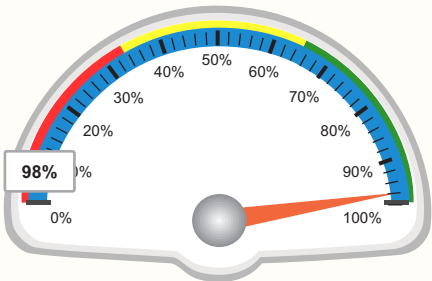
Roadmap ERP DASHBOARDS / KPI



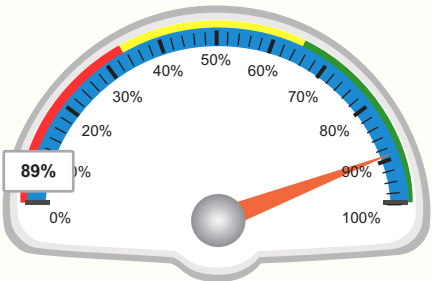
KPI Dashboards are exclusively designed to offer you the complete visibility into the critical information and to have better control over the business processes in your organization; dashboards are powerful enough to convert large volume of data into visual cues that enables you to perform efficient decision making. Key performance indicator (KPI) dashboards in Roadmap ERP software gather critical information from across your business operations and all the way through your database, to present it in a simple format that can be interpreted at one glance.

....designed for companies to analyze their data, optimize business processes, easily identify issues within the business, and identify opportunities, thereby increase efficiency or revenue which can also be configured in precise to business process. The importance of Roadmap dashboards/KPI is to visualize real time critical information in an easy-to-interpret formats.

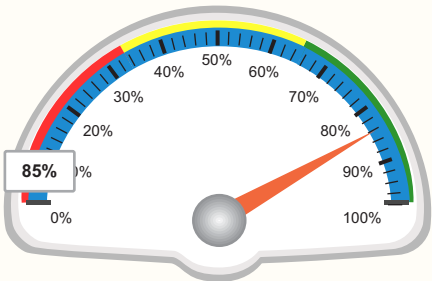
Productivity



Utilisation



Efficiency

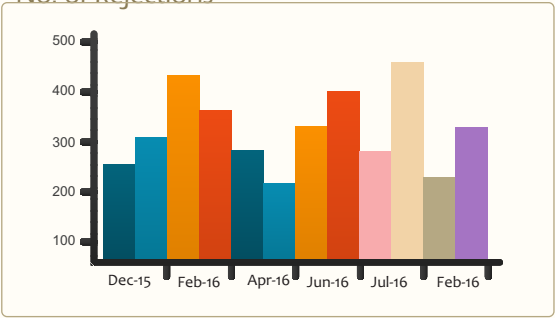


Critical Information

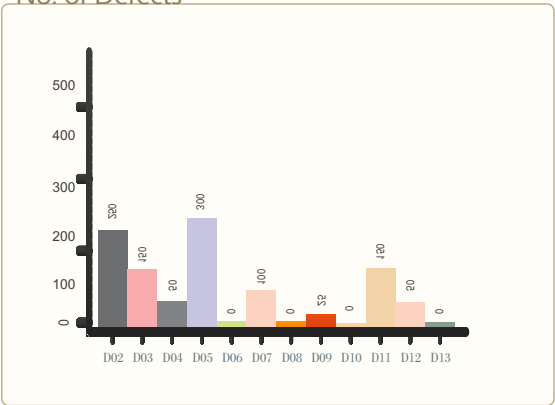
This goes to the heart of measurement systems in general – you must measure those things that are important to the success of the business. Any other measurement, not aligned with company objectives, is likely to drive activities and decisions in the wrong direction. So dashboard KPIs must relate to corporate goals and performance in support of customer service (On-time Delivery, Production Profitability, Orders Booked and Shipped).

Naturally, KPIs will differ based on the nature of the business being measured. A plastics manufacturer will be more concerned with the effective utilization of expensive plant and equipment resources (Production Capacity, Efficiency, and Downtime). Top-level executives in a plastics manufacturing company will certainly want to watch the same financial indicators that any other manufacturer watches – things like sales, profit, and return on investment. When it comes to operational measurements, the focus will be on meeting schedules, having the right inventories to support production and customer demand, and quality, among others.

No. of Rejections

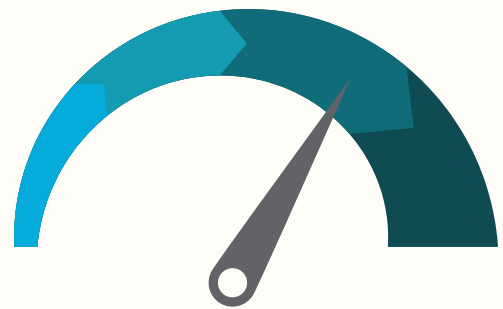


No. of Defects



A plastics manufacturer's dashboard would likely have operational performance indicators for some or all of the following by day, week or month:

- ⤴ Productivity
- ⤴ Utility
- ⤴ Efficiency
- ⤴ Downtime
- ⤴ Scrap by type or cause
- ⤴ Current Inventory value
- ⤴ Sales Order booking
- ⤴ On-time delivery
- ⤴ Cash Flow



Easy to Interpret

Roadmap Dashboard/KPI's are to quickly identify of anything that may need attention and the point is to quickly eliminate any concerns about aspects of the business that are performing properly and allow the executive to focus on where their attention is really needed without having to run multiple reports or even log into the business solutions software.

Busy executives will have less time to dig into the ERP system to track performance and analyze the business – nor should they have to. Roadmap dashboard summarizes and displays relevant information that allows the executive to 1) Configure their independent dashboard highlighting their most relevant KPI's and 2) focus quickly on the overall operations of the business and where his or her attention is most needed – and can do best.

Properly defined Roadmap KPIs can provide early warning of developing situations and help companies prevent serious challenges by alerting decision-makers to the opportunities to avert a problem before it hurts customer service, sales or profit.

Roadmap Dashboards thus allow companies to easily analyze data and identify potential gaps or opportunities within the business.

MODULES

Roadmap ERP



Roadmap ERP, an end-to-end business solution, by being integrated with all modules, can fit into any manufacturing and services industry. It is a strategic business solution that integrates all business functions, including manufacturing, finance, and distribution.

Financial Management	General Ledger Management		Accounts Payables Management	Accounts Receivables Management	Cash Management	Fixed Assets Management	Taxation	
Sales & Distribution	Inventory Control Management		Purchase Order Management	Subcontract Order Management	Gate Entry Management	Transportation	Sales Order Management	
Planning & Manufacturing	Routing	Bill of Material (BOM)	Demand Management	Master Production Schedule	Material Requirement Planning	Manufacturing Resource Planning	Shop Floor Control (SFC)	Manufacturing Schedule
Quality Management	Inspection		SPC	Auditing	MSA			
HR & Payroll	HR-Planning		HR-Recruiting	HR-Employee Portfolio	HR-Orientation	HR-Training & Development	HR-Appraisal	HR-Leave & Time Management
	HR-Loan Management		HR-Business Trip	HR-Ticketing	HR-Medical	HR-Self Service	HR-Government Relations	HR-Payroll
Add-on modules	Plant Maintenance		Engineering R & D	Project Management	Cost Management	CRM		
Portals	Supplier Portal		Customer Portal	Employee Attendance	Employee Self Service Portal			
Mobile Apps	Marketing CRM		Workflow Approval					

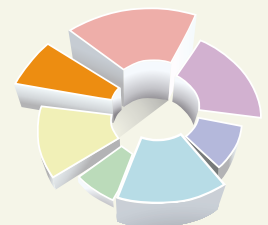


INDUSTRY VERTICALS

Industrial Equipment &
Machinery Manufacturers
Aluminum Die Casting Industries
Iron Casting Manufacturer
Plastics Manufacturer/Injection Molding
Sheet Metal Industries
Ferro Alloys Manufacturers
Cast Alloys Manufacturers
Lead Alloys Manufacturers
Tools & Dies Manufacturers

Auto Component Manufacturers
Valves Manufacturers
Electrical Panel Manufacturer
UPS Manufacturers
Food Products Manufacturers
Cosmetics Manufacturers
Bi-Metal Bearing Manufacturers
Gelatine Manufacturers
Garments Manufacturers
Heat Exchanger Manufacturers

Façade Industries
Carbon Manufacturers
Pump Industries
Packing Industries
Spinning Industries



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