



eXensys Micro Vertical Solution

Micro-Vertical – Industrial Pumps

Agenda

Industry Overview

Industry Characteristics

Key Processes 'n' Challenges

eXensys Best Practices



Industry Overview

Micro-Vertical – Industrial Pumps

This industry involves working with a wide range of pump variants. The product range broadly includes chemical process pumps, Thermic fluid pumps, Non clog pumps and Industrial water pumps. Industrial pumps are used to move fluids such as gases, liquids or slurries. Pumps are produced with greater care and stage by stage inspection during production process. The production processes involved demands for a high level of skill set from operators. This industry requires real time information of shop floor to control the execution cycle.

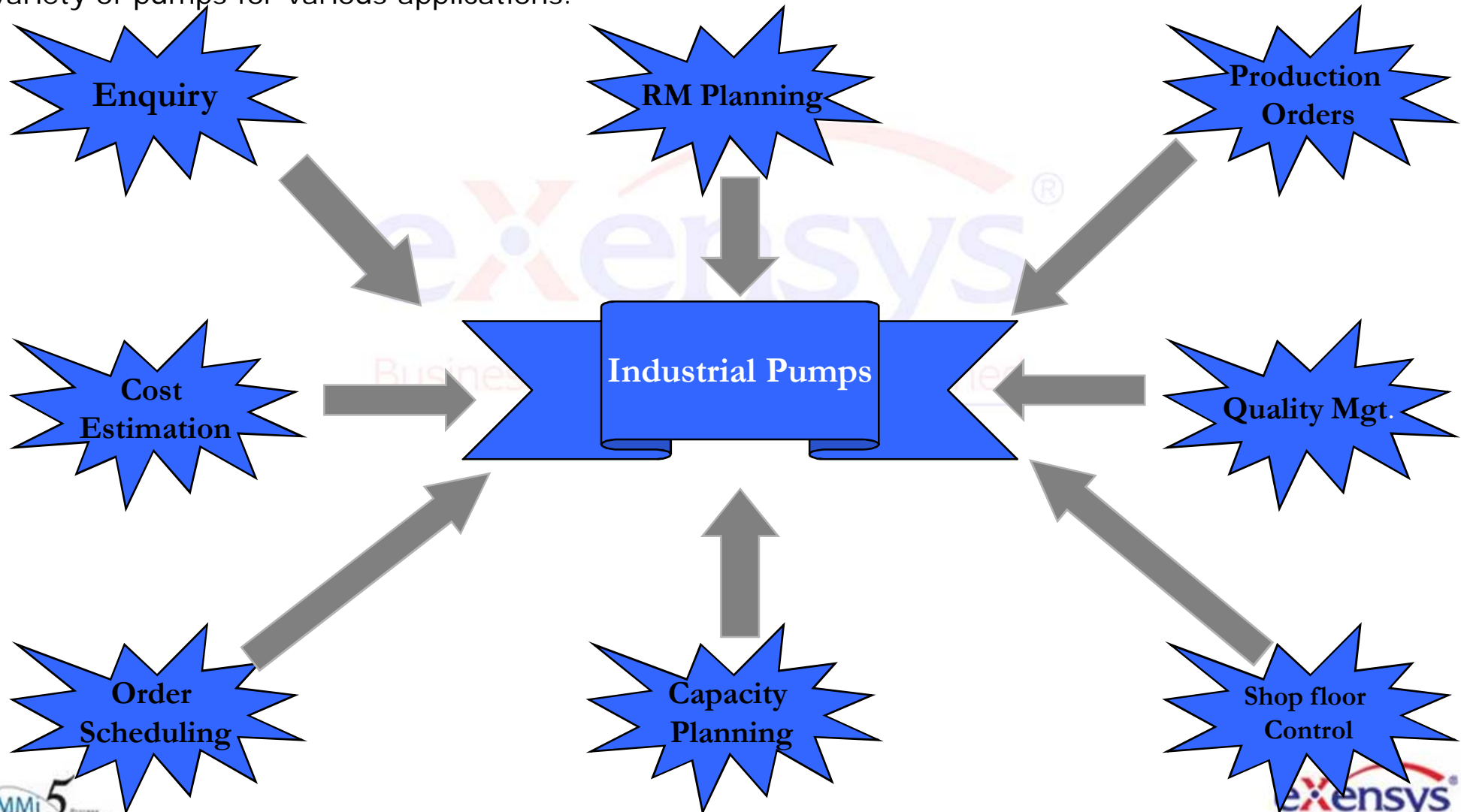


Industrial Pumps

Industry Characteristics

Micro-Vertical – Industrial Pumps

Pumps have become the prime movers in innumerable industrial processes. The pumps encounter endless combinations of pressure, density, temperature, viscosity, volatility, corrosiveness and solvent action of solids in suspension and gases in solution. There are wide variety of pumps for various applications.



Key Processes 'n' Challenges

Micro-Vertical – Industrial Pumps

Key Processes

- Sales enquiry and quote processing
- Demand consolidation for a user defined periods
- Detailed planning generating production, purchase order (Standard & Sub-contract)
- Maintenance of stock at shop floor, stock at vendor
- Tracking of production process at sub-contractor location
- Incoming, sub-contract receipt, in-house production quality inspection
- Preventive & predictive maintenance schedules

Challenges\Pain Areas

- Reduction in Production Lead Times
- Order is greater than Capacity
- Tracking of production cost incurred
- Inefficient Inventory Management
- Non availability of critical items
- Maintaining Production Quality
- Inisibility to Dead stock variants

eXensys Best Practices

Micro-Vertical – Industrial Pumps

S.No	Pain Areas	Why do companies fail?	eXensys Best Practice
1	Order is greater than Capacity	<ul style="list-style-type: none"> ➤ Unable to identify idle resource ➤ Poor planning 	<ul style="list-style-type: none"> ✓ Better planning , Reconciliation of Order & Realization of Production Order , Optimize operations ,meticulous planning and through work center Load graphs – idle resources can be checked
2	Reduction in production lead time	<ul style="list-style-type: none"> ➤ No input output control ➤ Improper management of orders ➤ No control on shop activities 	<ul style="list-style-type: none"> ✓ Automatic lead time calculation based on routing ✓ Capacity calculation based on finite or infinite capacity ✓ Production order rescheduling
3	Efficient inventory management	<ul style="list-style-type: none"> ➤ No tracking on stock on raw materials ➤ No order methodologies for items ➤ Subcontractor stock is not known 	<ul style="list-style-type: none"> ✓ Maintenance of shop floor items ✓ Maintenance of stock details variant specific ✓ Maintenance of subcontractor stock details ✓ Maintenance of ROL's for items

