



eXensys Micro Vertical Solution

Micro-Vertical – Casting



Agenda

Industry Overview

Industry Characteristics

Key Processes 'n' Challenges

eXensys Best Practices

eXensys Solution

Industry Overview

Micro-Vertical – Casting

Castings are one of the oldest metals forming techniques. Casting is done by pouring the molten metal into the mould cavity. It is expensive compared to normal production process, but it can produce complicated shapes with little rework on the produced casting. Most Common and commonly used casting process are sand casting, centrifugal casting, Die casting and permanent casting. Casting process selection is totally based on the nature of product and constraint we have for the product. The major industries which use casting are aerospace, power generation, military, medical and automotive.

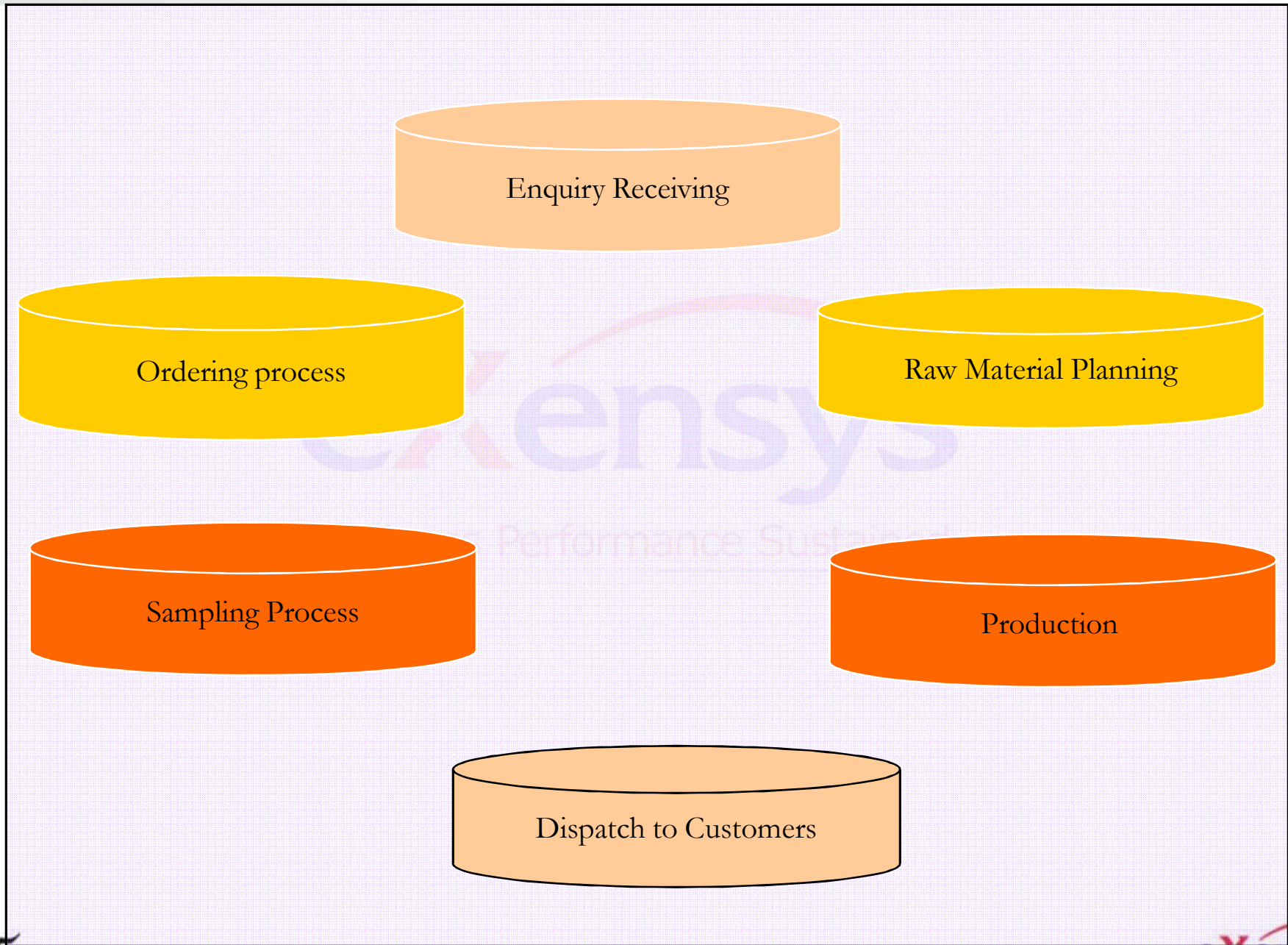
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Business Performance Sustained



Industry Characteristics

Micro-Vertical – Casting



Key Processes 'n' Challenges

Micro-Vertical – Casting

Key Processes

- Sales Enquiry management
- Contracting process
- Production sampling
- Raw material Planning
- Inspection and Testing of Material
- Execution of production order
- Mould and dies management

Challenges\Pain Areas

- Long Production Lead Times
- In Efficient Dies Management in die casting industry
- Maintenance of process like drying time, on completion of drying time, the next process is to be initiated
- No Process Parameter Tracking available with production information
- Non Utilization of Optimum Capacity

eXensys Best Practices

Micro-Vertical – Casting

S.No	Pain Areas	Why do companies fail?	eXensys Best Practice
1	Reduction in production lead time	On Manual planning the activity performing lead time are more so planning can not be efficient	Exensys is having the tool for running the planning so process lead time is not so much, and we make reduction on production time
2.	Die management	On Planning consideration of die will takes long time for plan the production	Exensys Planning have the broader scope of planning with production resources which considered by the system on planning the load
3.	Process Parameters tracking	On normal scenario process parameters information and there recording is separate task	Exensys production have the facility of production parameter recording on production execution
4.	Optimum Capacity utilization	On normal scenario capacity and load calculation is time consuming job	Exensys production have facility to plan the production and provide the capacity condition for optimum utilization

