



## eXensys Micro Vertical Solution

Micro-Vertical – Forged Parts

# Agenda

*Industry Overview*

*Industry Characteristics*

*Key Processes 'n' Challenges*

*eXensys Best Practices*

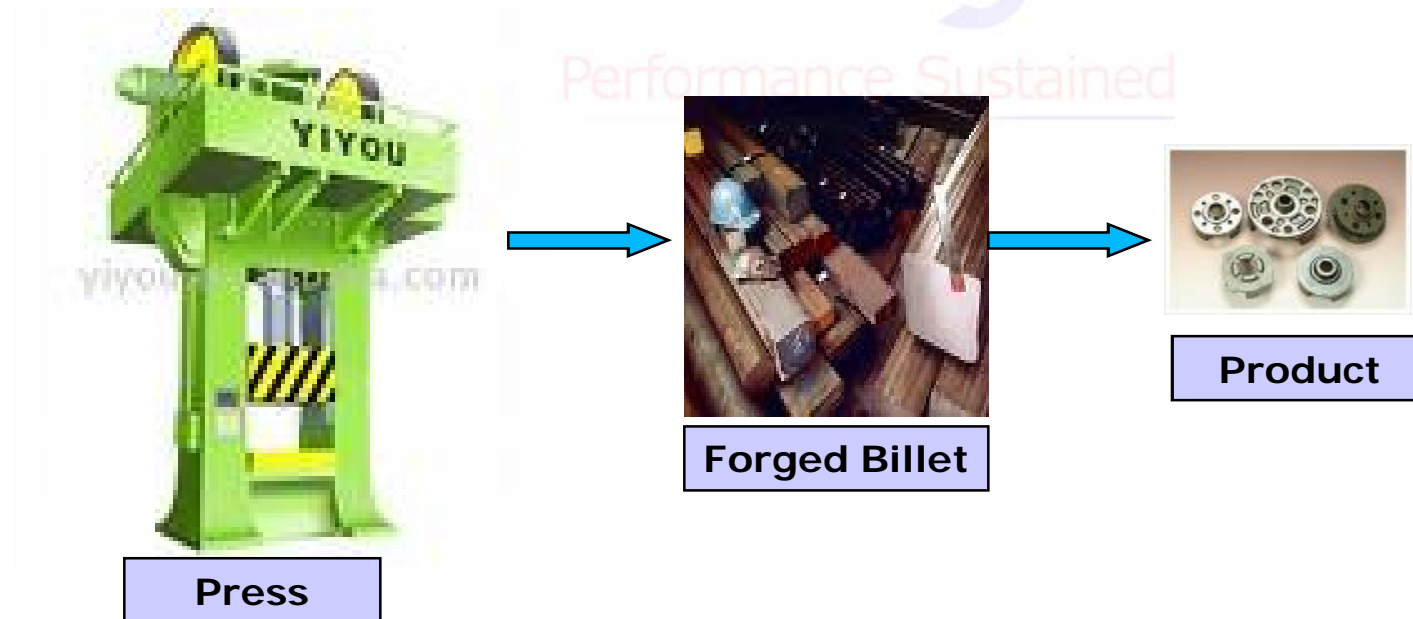


# Industry Overview

## Micro-Vertical – Forged Parts

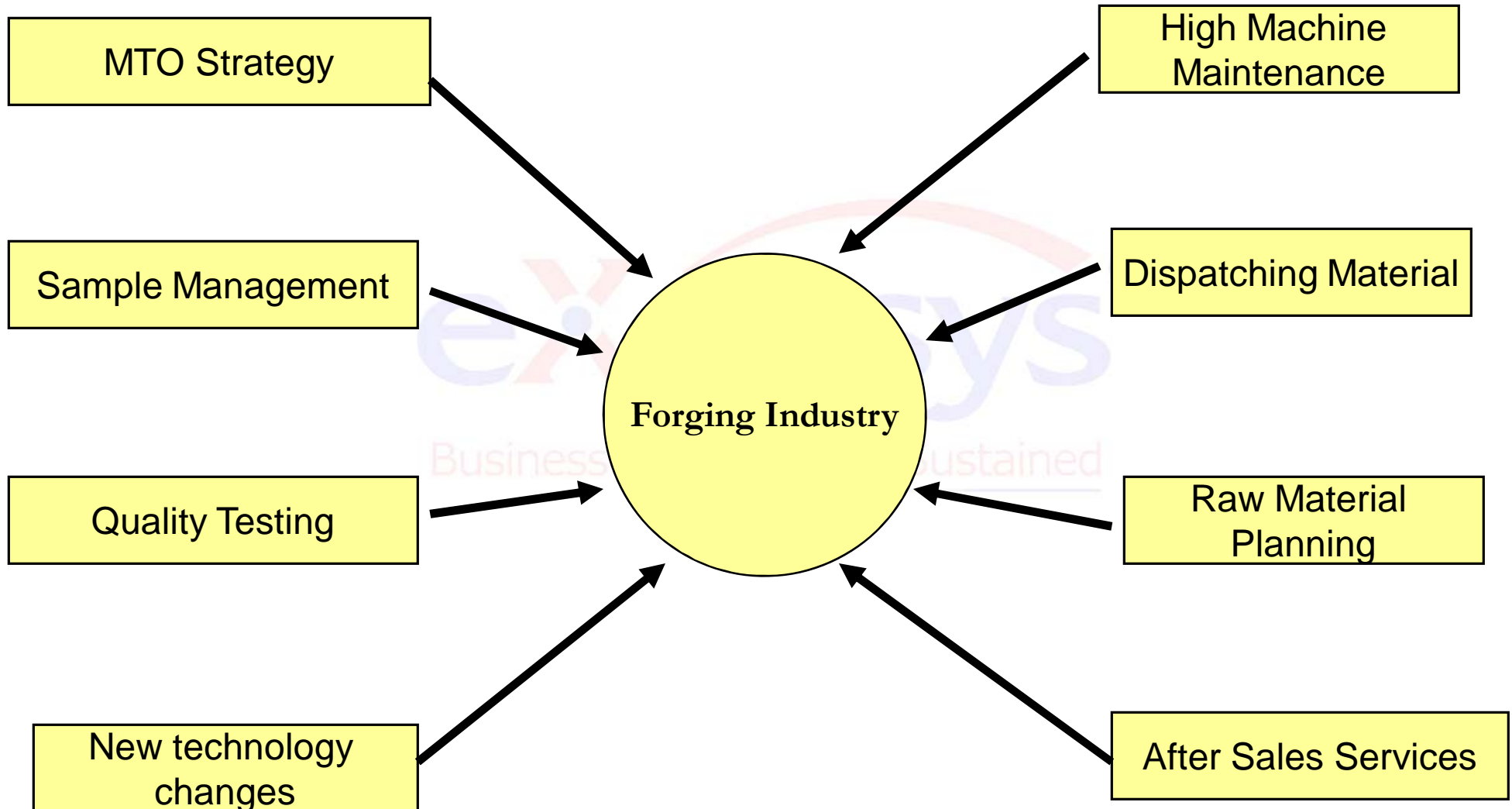
**Forging** is the term for shaping metal by using localized compressive forces. Forging is usually done by presses or hammer with the help hydraulic machinery, compressor etc. Forging generally result in metal that is stronger than cast and machined part. In industry main process of forging the material are cold forging and hot forging.

The various forging that are generally used in steel industry and roll for blooming, slabbing, plate, merchant, rail, cold rolling mills. Forging product are used in many industry like, material handling equipment, mechanical power transmission equipment industry, power sector industry, sugar industry, electrical equipment sector, defense sector, farm machinery industry, automotive industry etc.



# Industry Characteristics

Micro-Vertical – Forged Parts



# Key Processes 'n' Challenges

Micro-Vertical – Forged Parts

## Key Processes

- Sales Enquiry management
- Customer specification based Production
- Production sample testing
- Raw material Planning
- Highly Quality Interaction
- Machine Maintenance and Utilization
- Customer feedback management

## Challenges\Pain Areas

- Non efficiently Optimum Capacity Utilization
- Poor Inventory Management
- Production integration and Quality Testing and parameter Reporting
- No traceability of production Process Parameter
- Non Efficient Customer Complaint Management System
- High cost due to competition

# eXensys Best Practices

Micro-Vertical – Forged Parts

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 response time
2.	Inventory management	Inventory management is tough due to continuous production	Exensys help to get the inventory status at any time expenses planning help to procure the material on the required time to fulfill the requirement
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

