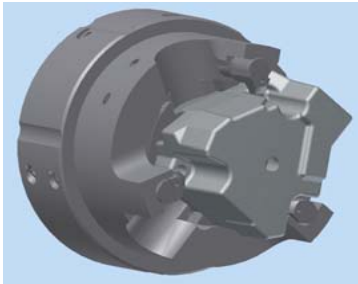


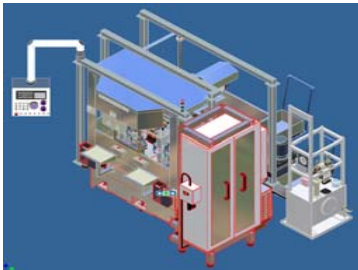
Industrial Equipment Division

Design Capabilities - Mechanical



An optimum mix of youth and experience, the design team has specialised groups with competencies in

- *Mechanical Machine Design*
- *Hydraulic System Design*
- *Pneumatics Design*
- *Jigs, Fixtures, Cutting Tools and Gauge Design*



Equipped with latest versions of design software like **Inventor 3D and Autocad** and legacy designs on a wide spectrum of processes



Proven capabilities to develop solutions ranging from simple devices to large integrated lines for metal cutting or assembly

Focus on Ergonomics, TPM, Quick Change Over and Poka-Yoke for BPS compliant designs

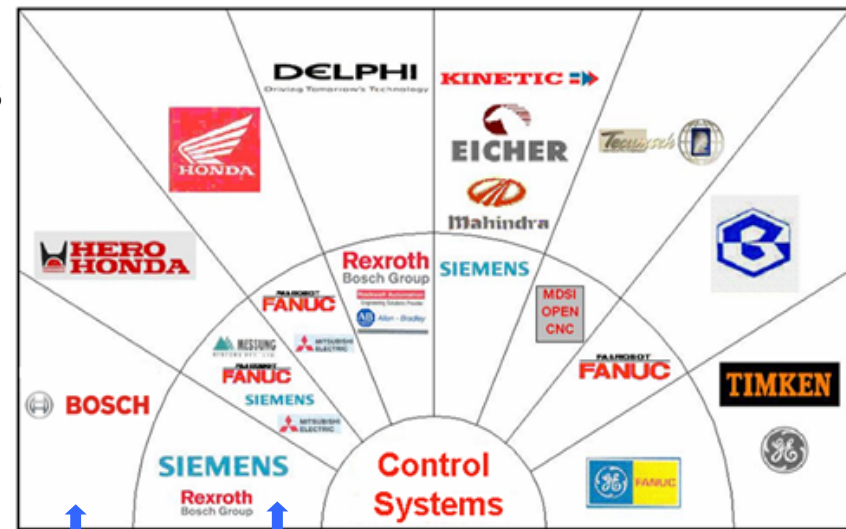


Industrial Equipment Division

Design Capabilities - Electrical

A versatile Design Team handles Electrical & Software Engineering with following Competencies

- PLC- / CNC- / PC- based applications for Special Purpose Machines, Assembly, Test & Measuring Equipment and Assembly Lines involving extensive data handling, visualization, data acquisition & evaluation
- Cost-effective, energy-efficient controls requiring reduced cabling and panel space
- Focus on man / machine safety and reliability



Customers Systems



Industrial Equipment Division

Manufacturing Facility

Skills and machines complement each other here.

Availability of precision machining, heat treatment, inspection, assembly and testing capabilities under one roof is a major strength of this division.

A few of the MAE are listed here.

Metal Cutting Machines Soft Stage

- CNC Turn Mill Centre
- CNC Milling Machines
- CNC Jig Boring Machines

Finishing Machines - Hard Stage

- CNC Tool & Cutter Grinder
- Cylindrical Grinding Machine
- CNC 5-Axis Jig Grinding Machine
- NC Surface Grinding Machines
- Universal Thread Grinding Machine
- NC Spark Erosion



Industrial Equipment Division

Process Facility

HEAT TREATMENT

- Vacuum Hardening
- Deep Freezing
- Aqueous Ultrasonic Cleaning

PAINTING / POWDER COATING

- Powder coating
- Downtraft Electrostatic Sprav Painting
- Oven drying



Industrial Equipment Division

Metrology Facility

- 3D Co-ordinate Measuring Machines
- Roundness Tester
- Roughness Tester
- Tool Maker Microscopes
- Universal Measuring Microscope
- Profile Projectors



Industrial Equipment Division

Certification & Awards

CERTIFICATIONS

- ISO 9001 – 2000
- ISO 14001
- OHSAS 18001

AWARDS

BEST EQUIPMENT MANUFACTURER

from Honda Motorcycles and Scooters Ltd during

2003-04 &
2007-08

