

## GEARS (EUROPE OPERATIONS)



Established in 1952, MetalCastello is Mahindra Systech's Gear manufacturing unit in Bologna - Italy, serving a range of customers producing earthmoving machines to agricultural tractors to specialty military vehicles to commercial vehicles (HCV).

We produce over 2 Mn Gears/Shafts every year with over 1800 active partlines from a factory employing nearly 300 employees, some of them being the second or even the third generation working with us. This has earned us a reputation of being a reliable co-development partner for our esteemed customers.

High end technological capabilities in manufacturing (Gear class DIN 5) and inspection coupled with flexible production lines help us service a wide range of batch size requirements. 80% of sales come from customers outside Italy who are spread over Europe, USA and Asia.

Our active involvement in improving the Indian operation has created readiness to offer dual shoring advantage to customers.

### Manufacturing Facilities

- Range of CNC turning and ID/OD grinding machines with integrated process control
- Gear Profile generation capability through Hobbing, Shaping, Cold rolling, Broaching, Bevel and Hypoid Cutting (Gleason cut)
- Gear profile finishing through Shaving, CBN Profile Grinding, Honing, Bevel and Hypoid Lapping
- Fully automatic SQF furnaces with special control software
- Automatic / Robotic loading systems

### Quality Enablers

- Highly experienced team of engineers
- Well equipped metrological lab with Klingelnberg Lead and Profile tester, Roundness and Contour tester
- Gear calculation software (KISSsoft) and CAD technology (ProE) for special verification

### Product Profile

- Gears and Shafts for Gear boxes
- Differential Bevel Gear set
- Timing Gears
- Planetary Gears for Gear boxes and Wheel reducers



### CUSTOMERS

**JOHN DEERE****ArvinMeritor****IVECO**

For further details please visit [www.mahindrasystem.com](http://www.mahindrasystem.com), [www.metalcastello.com](http://www.metalcastello.com)  
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