



CIE India

Gears Presentation

2023

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CIE India

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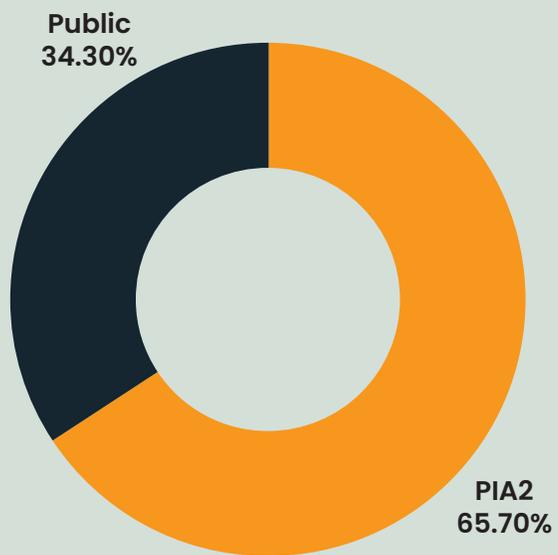


1 CIE India Overview

Who we are

CIE India is a subsidiary of CIE Automotive.

CIE India SHAREHOLDING



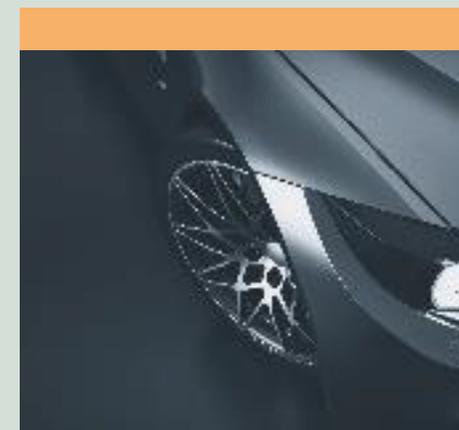
CIE India is listed on BSE and NSE in India.



33 plants and 13,000 + professionals, producing components in various countries and in various technologies.



- FORGING
- CASTING
- STAMPING
- MACHINING
- ALUMINIUM
- MAGNETS
- COMPOSITES



CIE India Global

Geographical distribution



CIE India Presence

Plant location



CIE India in Europe

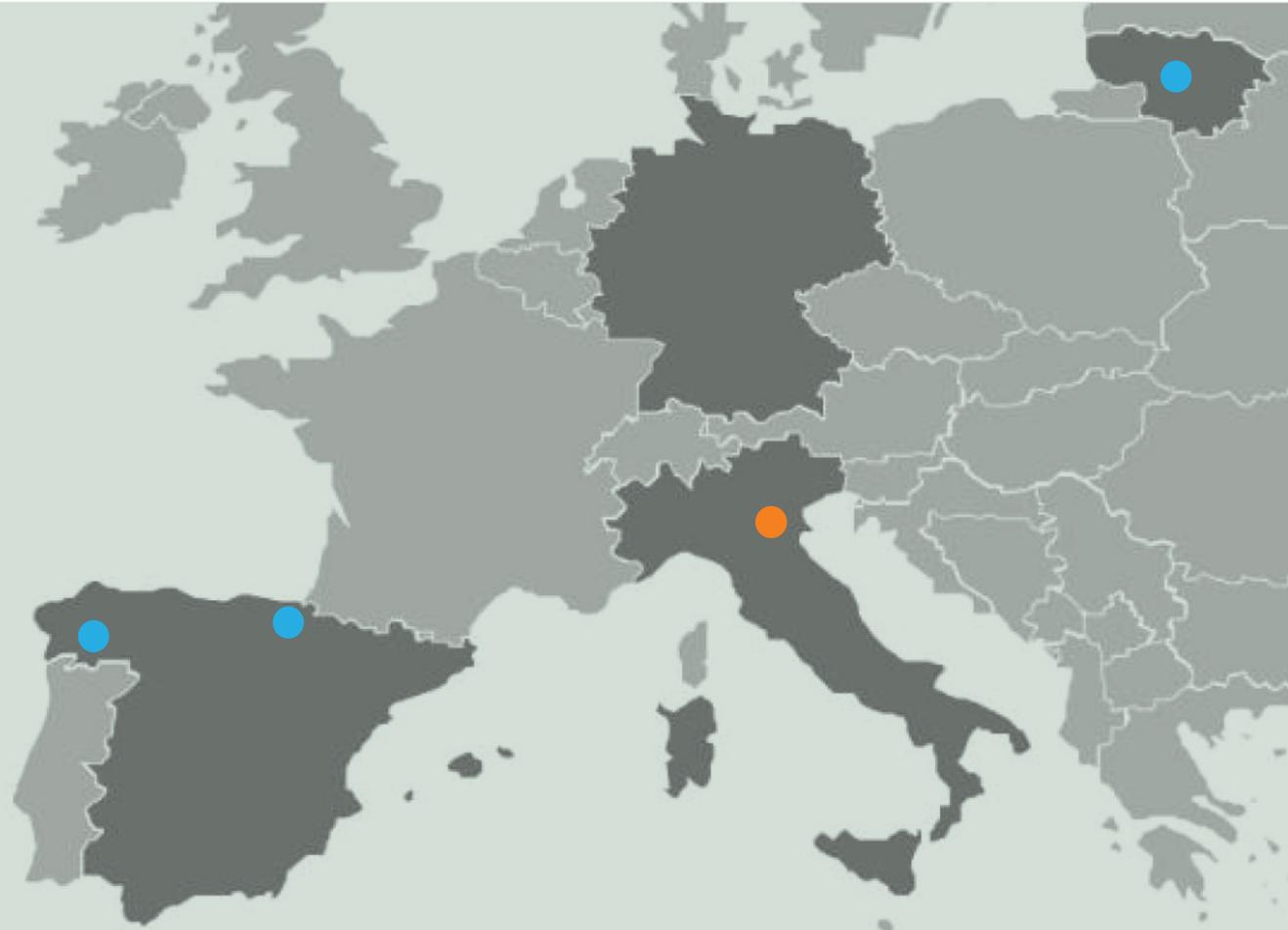
Plant location

● CIE FORGING SPAIN AND LITHUANIA

- 3 Plants
- **Focused on Passenger Vehicles**

● METALCASTELLO (GEARS, ITALY)

- 1 Plant
- **Focused on Off-Highway & Agriculture**



Global Customer List

BAJAJ

KOBENSCHMIDT

BOSCH

MAHINDRA

CAT

MAN

DAIMLER

MARUTI

FIAT

NEXTEER

FORD

NIDEC

GKN

NTN

HERO

RENAULT

HYUNDAI

SAF

JLR – TATA

VOLKSWAGEN



2
Gears Division



CIE India Gears Overview

- Founded in 1987
- Plants at two locations in India – Rajkot and Pune.
- Plants are fully equipped to make several special types of Gears, Shafts and Machined Components
- Rajkot plant is in operation since 1987. Capable with Zinc Plating, Induction Hardening and Surface Broaching.
- Pune plant is in operation since 2010. Capable with Profile Grinding, Laser Welding and Induction Hardening.
- Certified by IATF 16949, ISO 9001, ISO 14001 & OHSAS 18001.



Rajkot Unit 1



Rajkot Unit 2



Chakan, Pune

Manufacturing Facilities

EXISTING



SHOP FLOOR



GURUKUL TRAINING CENTRE



INDUCTION HEAT TREATMENT



METALLURGICAL LAB



RACK ROLLING



AUTO ROLL TESTING

IMPROVEMENTS



MACHINE AUTOMATION



PLANT EXPANSION

Capabilities – Process

SPLINE GENERATION



SPLINE BROACHING

UPTO 30 TONS
UPTO 150 mm DIA
MAKE : CRANE BELL

HOBBIING

0.5 – 8 MODULE
20 – 600 mm DIA
MAKE: Lieberr,
Mitsubishi, Pfauter

SPLINE ROLLING

UPTO 1.2 MODULE
MAKE: THREADAID, MTE

SURFACE BROACHING

MAKE: TASA

SHAPING

UPTO 8 MODULE
UPTO 300 mm DIA
MAKE: Lorentz, Cooper, TOS

TEETH FINISHING



SHAVING

1.25 – 8 MODULE
20-400 mm DIA
MAKE: Hurth, Sicmat

ACUTE CHAMFERING

UPTO 400 mm DIA
MAKE: Ravjeet

VMC

4 AXIS/5 AXIS
TABLE SIZE: 400x600
MAKE: HURCO, JYOTI

PROFILE GRINDING

UPTO 8 MODULE
UPTO 360 mm DIA
DIN 6
MAKE: Reishauer RZ362,
Burri

ROUNDING/ROOFING

MAKE: HURTH ZK, GLEASON,
RAVJEET

Capabilities – Process

HEAT TREATMENT



SQF
 CARBURISING
 CARBONITRIDING
 SCADA CONTROL
 MAKE : ACHILEN UNITHERM

LASER WELDING
 Max weld depth – 4.0 mm
 Power – 3 Kw
 MAKE: ROFIN SINAR



GRINDING



ID GRINDING
 TWIN SPINDLE
 UPTO 90 mm DIA
 MAKE : PMT, BESTEK

OD GRINDING
 ANGULAR & CYND.
 UPTO 150 mm DIA
 UPTO 600 mm LNTH
 MAKE: Micromatic,
 Bestek, Studder

SURFACE GRINDING
 ROTORY TABLE
 RECIPROCATING TBL
 MAKE: ALEX

HARD TURNING
 MAKE: LMW, HURCO



Capabilities – Process

SPECIAL PROCESSES



ZINC PLATING

SHOT PEENING

INSPECTION FACILITY



INSPECTION

CMM
GEAR TESTER
ROUNDNESS TESTER
CONTOUR TESTER
PROFILE PROJECTOR
MPI
AUTO POLISHING MACHINE
MICROSCOPE
HARDNESS TESTER
(BRENIL/ROCKWELL/VICKERS)

OUTSOURCED OPERATION



OUTSOURCED

FORGING
MACHINING
GUN DRILLING
LIQUID NITRIDING
GAS NITRIDING
PHOSPHATING



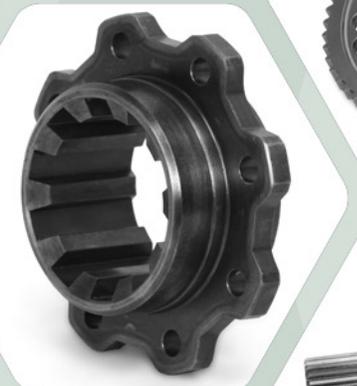


3

PRODUCT
OFFERINGS

Products

A



Products

B





4

Customer
Base and
Recognition

Customer Base

GLOBAL FOOTPRINT WITH ESTABLISHED LOCAL PRESENCE

NORTH AMERICA

EATON

DANA

CATERPILLAR

AMERICAN AXLE

SOUTH AMERICA

EATON

EUROPE

DANA

CATERPILLAR

COMER INDUSTRIES

CNH INDUSTRIAL

CONCENTRIC

EATON

TURK TRAKTOR

METALCASTELLO

JAPAN & CHINA

EATON

MITSUBISHI

HINO

TBK

INDIA

MAHINDRA

DANA

CATERPILLAR

COMER INDUSTRIES

CONCENTRIC

EATON

VST TILLERS & TRACTORS

BONFIGLIOLI

BEML

CUSTOMER RECOGNITION

GLOBAL FOOTPRINT WITH ESTABLISHED LOCAL PRESENCE

CIE India's Gears division has received many awards and recognition from its customers for its exemplary performance as a supplier with best in-house systems. We are proud to present some of the awards as a result of our employees hard work and dedication:



One Eaton Supplier Premier Award for superior performance in quality and delivery



"SQEP - Bronze certification" from Caterpillar



Certificate of appreciation from Siemens for Zero Defect Quality Culture



"Best Quality Performance" Award - 2019

CIE India in India

Evolution

**OUR FOCUS
IS TO
KEEP GROWING
AT
HIGH PACE IN
INDIA
IN
COMING YEARS**

- Investment Capacity
- Organic Growth
- Greenfields & Acquisitions
- CIE Technology Transfer to India
- New Products introduction
- Increasing Exports
- Engineering Co-Development
- Global Automotive Market State-of-the-Art Technology
- Global Platform support



CIE India

THANK YOU