



CIE India

Casting Urse, Pune Presentation

2023

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CIE India

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CIE India

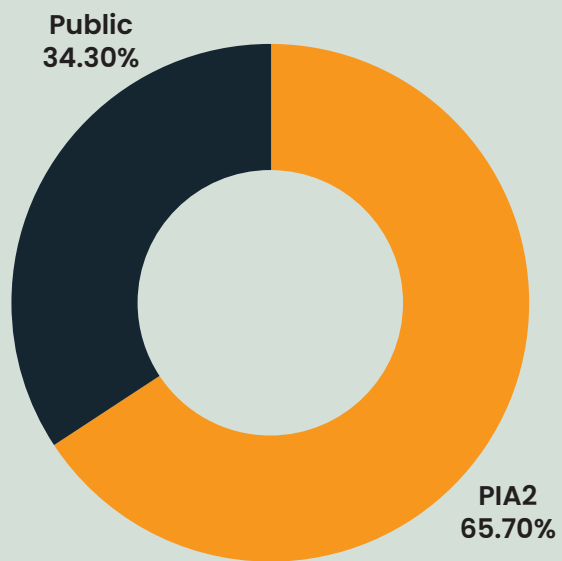
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CIE India Overview

Who we are

CIE India is a subsidiary of CIE Automotive.

CIE India SHAREHOLDING



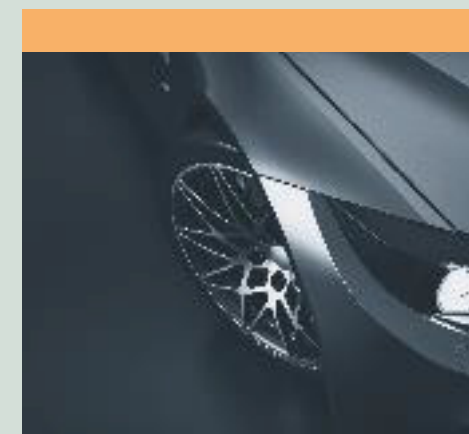
CIE India is listed on BSE and NSE in India.



27 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



CIE India

2

Castings Division

CIE India Casting Overview

- INDIA'S LEADING Producers of Ductile Iron Castings SPECIALISED in different types of Axle Transmission & Engine components
- Four Green sand high pressure horizontal molding lines at one location
- Installed capacity 60K Tons/annum (Availability of different box sizes – Product fit)
- Certified IATF 16949, ISO 9001, ISO 14001 and OHSAS 45001
- Focus on financial discipline to ensure long term continuity of business. Growth orientation through supply of value-added products

CIE India Casting Overview

- PROCESS AND MACHINES Casting Manufacturing

MOLDING LINE

- MAKE: DISA +HWS
- Green sand horizontal high pressure 4 Molding lines

MELTING:

- Furnace (Dual Track) 6T, 3TX2, 4Tx4 Make : Inductotherm

POURING:

- Autopour, Pouring Car
- Make : Inductotherm

SAND PLANT:

- Automated (SCADA)
- Equipment : PLC Control

FINISHING:

Individual Shop
Equipment : Swing & pedestal grinders
Trimming (Hydraulic)
Paint Shops

BOX SIZES:

- 900x700x300/300 (1)
- 610x508x200/200 (1)
- 700x600x250/250 (2)

MAGNESIUM TREATMENT:

- Equipment : Crane, Laddle

CORE MAKING:

- INDIVIDUAL SHOP
- Machines: Cold Box, Shell, CO2

SHOT BLASTING:

- MAKE: DISA
- Batch type shot blasting (3 tons/hr)
- Spinner Hanger GF

DESIGN:

Inhouse Tool Design (ProE, CATIA)
Simulation (ProCAST)



Capabilities

PROCESS AND MACHINES – Machining

MCIE Can machine all types of parts ranging from 0.5kg to 100 kg/pc

TURNING:

- 46 CNC machines
- Make : Lokesh, Mori Seiki, Fanuc

LEAK TESTING:

- 16 machines

MARKING:

- LASER
- DOT MATRIX
- Total 16 machines

OUTSOURCING:

- HEAT TREATMENT
- PHOSPHATING
- GAS NITRIDING

MILLING:

- 47 VMC machines, 3 HMC
- Make : Lokesh, Mori Seiki, Fanuc)

WASHING:

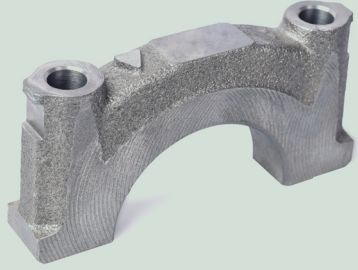
- 12 machines

INSPECTION:

- Electronic Guages
- CMM, MPI
- Roundness Tester
- Contour Tester
- Hardness Tester
- Barcoding



KEY MACHINING EXPERTISE



BEARING CAPS

- 12 VMC machines with Pallet Changer
- Fully Robotic line from input till inspection
- Auto-gauging with feedback mechanism
- Online laser marking & CMM



TURBINE HOUSING

- 14 machining cells
- Precision Machined Part
- Online Leak Testing, Laser Marking
- Welding & bush pressing assembly
- Export to USA, UK, China
- SiMo and SiMoCr grade SG Iron



- All new machining lines with automation
- Auto Gauging & Feedback control installed
- Investing close to USD 4 Mn every year on new capacity addition

FOCUS Product –Differential Case

WEIGHT RANGE	2kg to 32kg/pc
MATERIAL GRADE	SGI, ADI, 600/10
VOLUME	1k to 30k/month
TYPE	Open, closed, Split
APPLICATION	EV, PV, LCV, MHCV



Inhouse machining Expertise

- 12 CNC turning with Gantry System
- 2 Mazak Integrex
- Auto gauging with auto correction
- Chuck Air tight detection
- Multipoint spindle Orientation
- Tool setter with auto correction
- SMW work holding devices

Export Market Customers

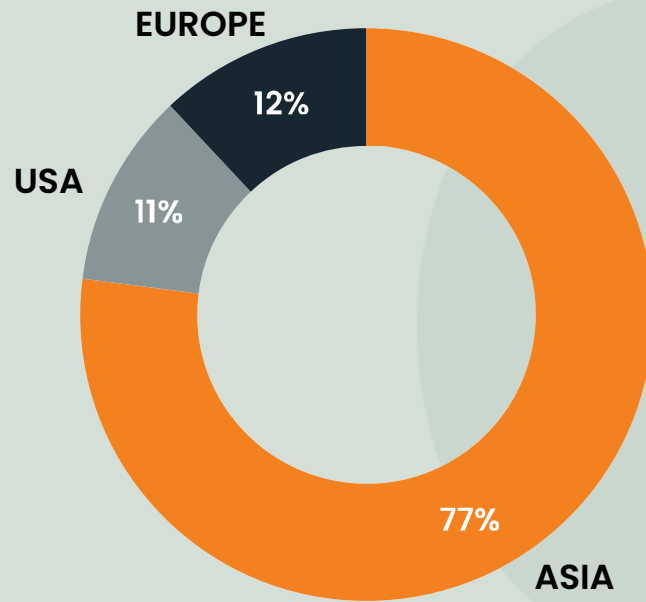
American Axle
JCB
Linamar

Domestic Market Customers

Daimler
CNH Industrial
Automotive Axles
Dana India
Mahindra (Auto & Farm)

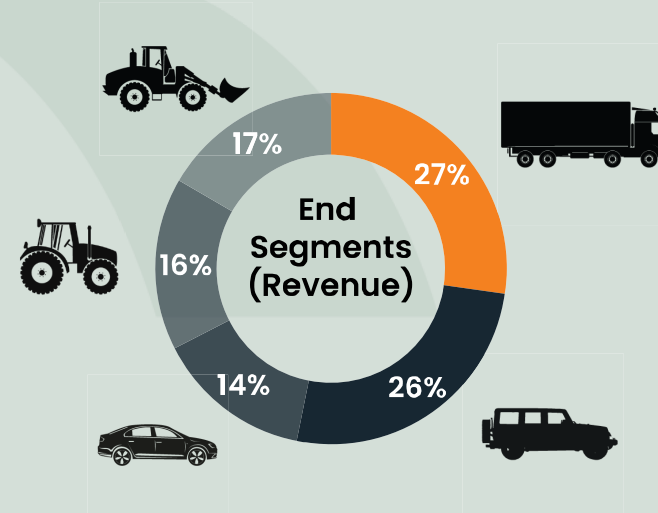
SEGMENTATION

GEOGRAPHICAL SEGMENTATION

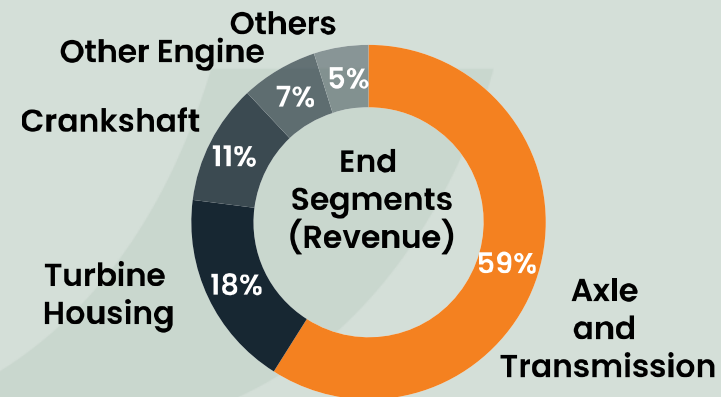


Balanced Portfolio Created

CUSTOMER SEGMENTATION



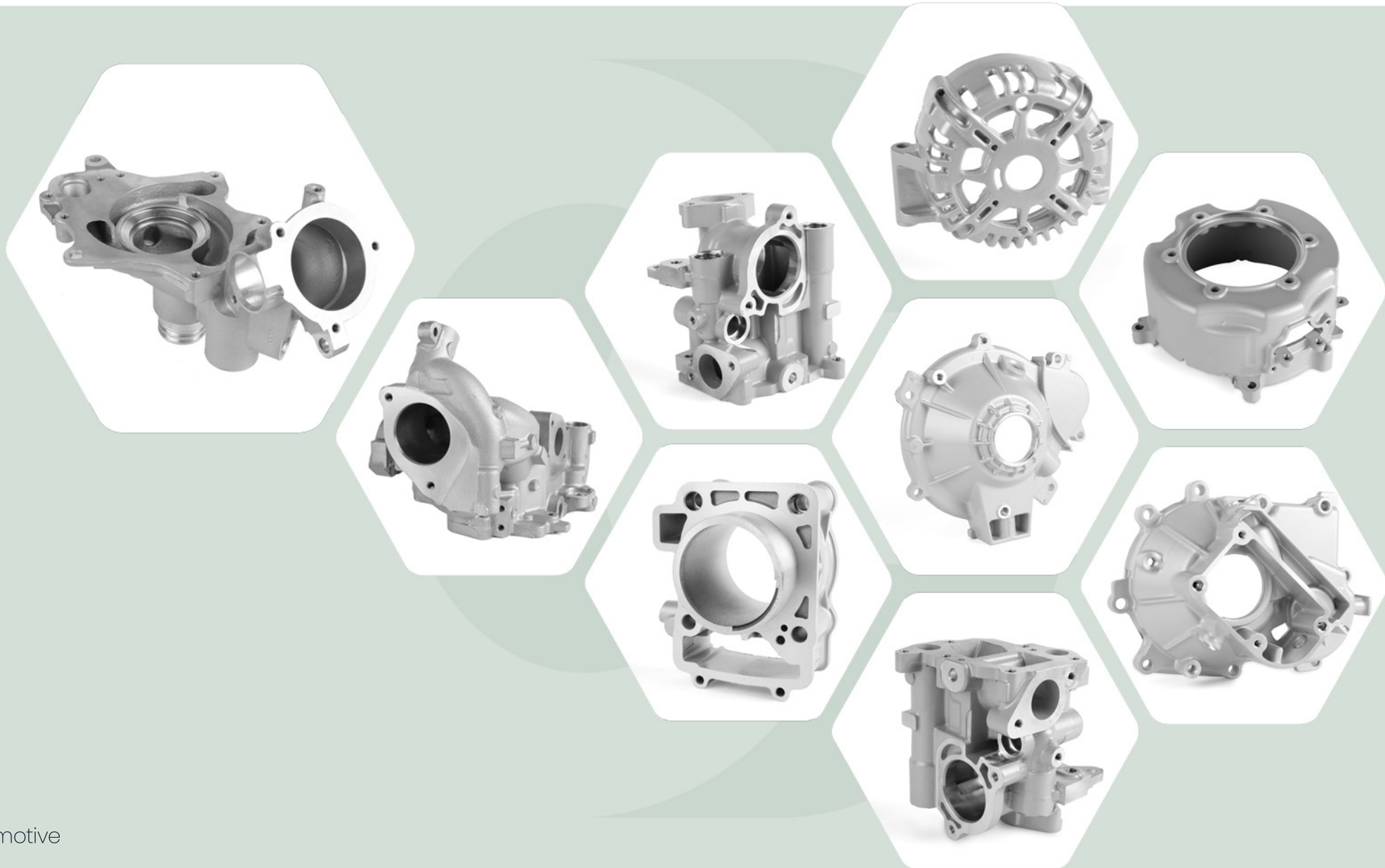
PRODUCT SEGMENTATION



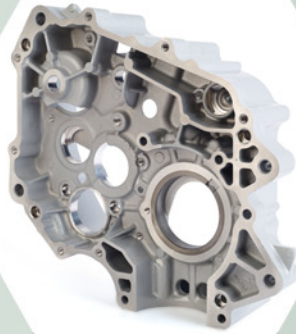
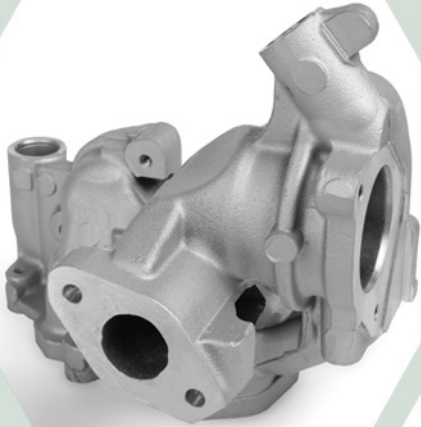


3
Products

Products



Products





CIE India

4

EHS &
Recognition

EHS & Sustainability

Certified ISO 14001:2015, ISO 45001:2018 & IATF 16949



Environmental Responsibility

Reduction in Dust Level
through advance
dust collector



Reduction in Air Pollution
fume extraction system
on melting furnaces

Efficient Energy Management
through solar power



Health & Safety Responsibility

Compulsory Health Checkup & EHS training

Effective Safety System organization

- Behaviour Based Safety
- Ergonomics system
- LOTO system

Specialized training

From Approved agency of
Maharashtra state Government

- Working on fragile roof
- First Aid & CPR
- Grinding Wheel Safety' to all workmen
- Safety in foundry operations

Modern roofing system for cladding & Illumination



Social Responsibility

Community Toilet Block at Village Urse, Pune

Beneficiaries -
appx. 500 People



Awareness session

about personal
hygiene in menstrual period
through ASHA worker

Skilling Centre



Yearly Blood Donation Drive

CUSTOMER RECOGNITION



**Turbine
Housing
Category
Partner**



**Best Supplier
Award**



**Best
Commodity
Supplier in
Quality**



**Gold Award
Best
Performance
in Delivery in
2018**



**Appreciation
Award**



**Award of
Excellence in
ADI Diff case
product
development**



**Best In Class
Quality and
Delivery
Performance
FY 19**

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