



CIE India

Aluminium Castings India Presentation

2023



CIE India

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2. CIE Aluminium Casting India Ltd.
3. Products
4. Customer Recognition

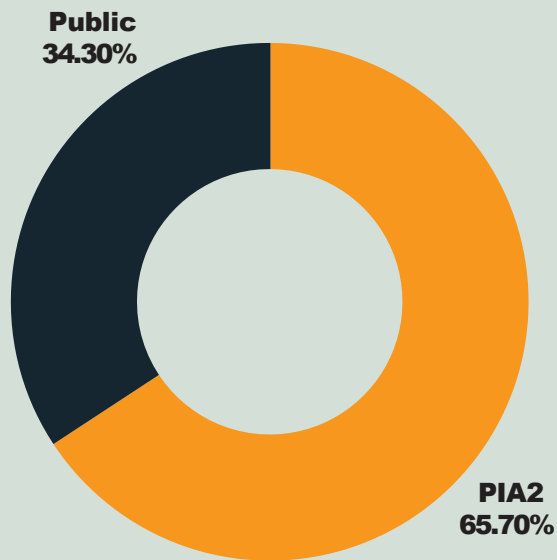


1 CIE India Overview

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

FORGING

1 IN PUNE
5 IN BANGALORE
1 IN HARIDWAR
2 IN COIMBATORE

CASTING

1 IN PUNE

COMPOSITES

2 IN PUNE

MAGNETS

1 IN PUNE

STAMPING

2 IN KAHNE (PUNE)
1 IN NASHIK
2 IN RUDRAPUR
1 IN ZAHEERABAD
1 IN NAGPUR

ALUMINIUM

2 IN AURANGABAD
1 IN PANTNAGAR

MACHINING / GEARS

1 IN PUNE
1 IN RAJKOT



CIE India in Europe

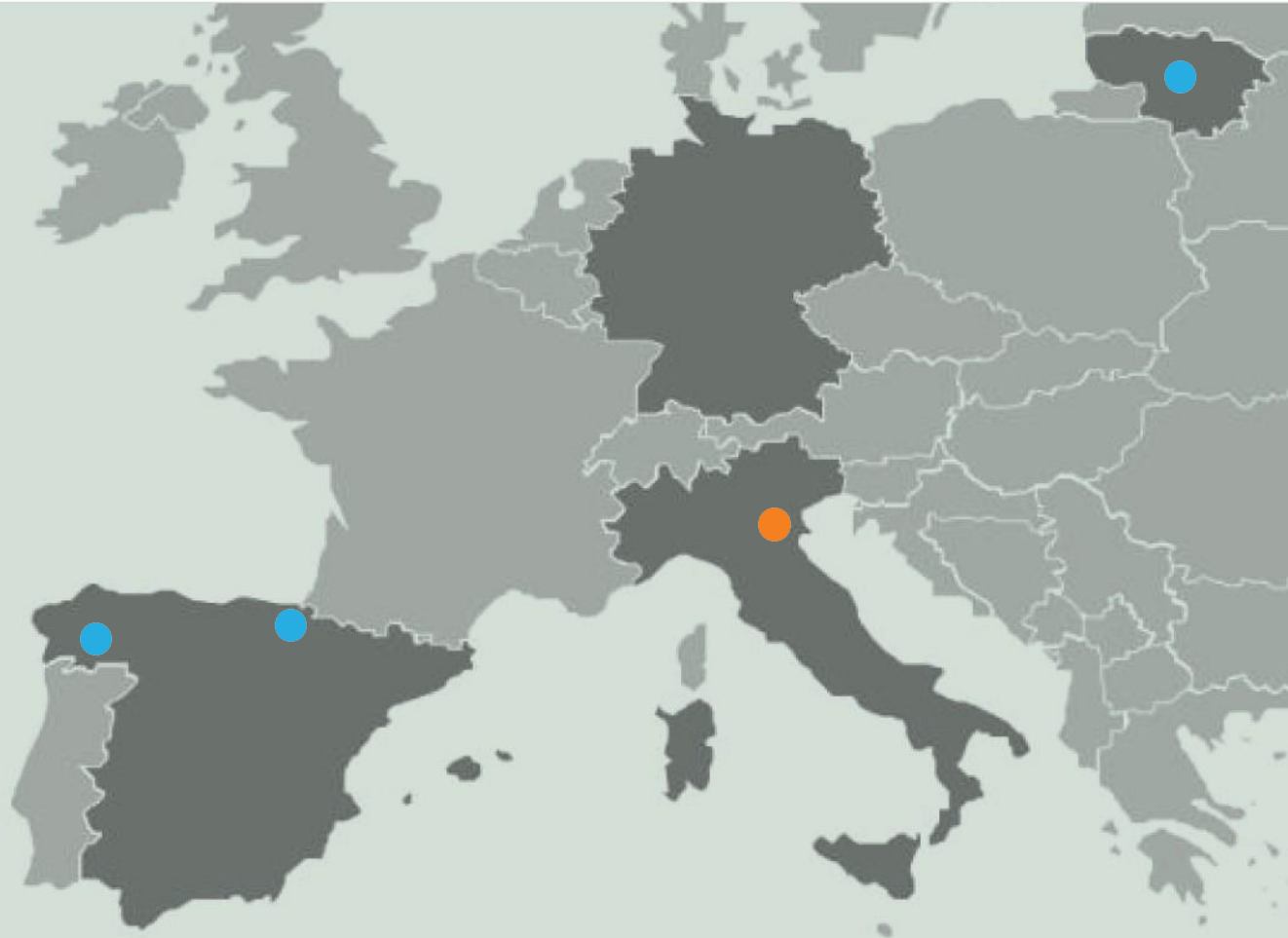
Plant location

● 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

CIE Aluminium Casting India Division

CIE India AEL Overview

CIE (AEL):

- Incorporated in 1985
- 100% Subsidiary of CIE India (Subsidiary of CIE Automotive Group, Spain)
- Global 'Full-Service Provider' of aluminum cast and machined components
- One of Largest Aluminium Foundry with presence in HPDC & GDC

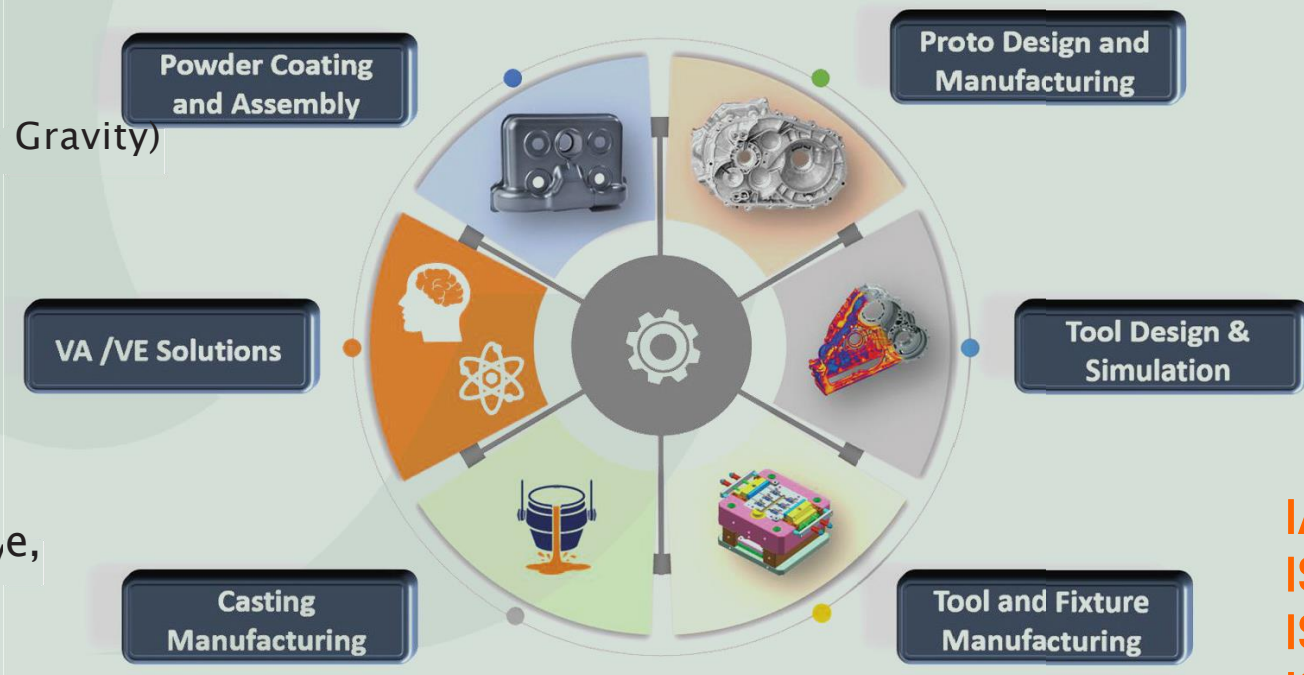
• 3 Manufacturing Locations in India

- o Aurangabad
- o Pune
- o Pantnagar

• Core Competencies :

- o Die Casting (High Pressure & Gravity)
- o Prototyping /Soft Tooling
- o Design (CAD /CAM /CAE)
- o In House Tool Manufacturing
- o Machining, Assembly and Powder Coating
- o Technology Centre
- o (Department of Scientific and Industrial Research)

- Casting Supplies to Automotive, E-Mobility, Agriculture



IATF 16949
ISO 9001
ISO 14001
ISO 45001

CIE India AEL- PRESENCE



GDC



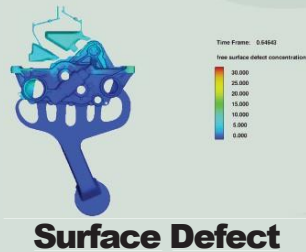
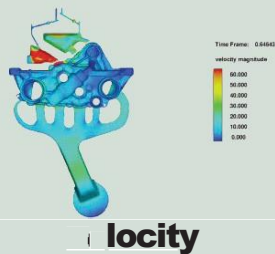
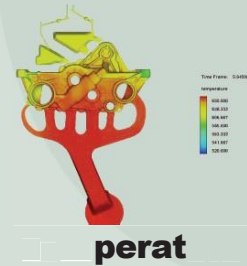
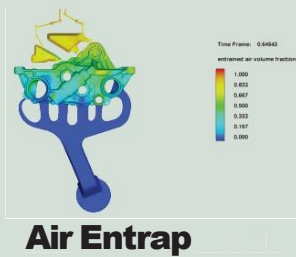
Installed Capacity :
More than 5,500 MT / Year
GDC With ROBOT – 03 Nos.
GDC With Auto Pourer – 04 Nos.
GDC With Manual Pourer – 28 Nos.
Sand Core Making Machines – 28 Nos.

HPDC



Installed Capacity :
More than 23,000 MT / Year
250T – 420T : 27 Nos
560T – 700T : 12 Nos
840T – 900T : 13 Nos
1100T – 1650 : 3 Nos

INFRASTRUCTURE DESIGN



TOOL MFG



- Tool Capacity :
27 Tools per month
- HPDC , GDC &
Trimming Tools
- Surface Treatments
 - o ABP Treatment
 - o PVD Coating

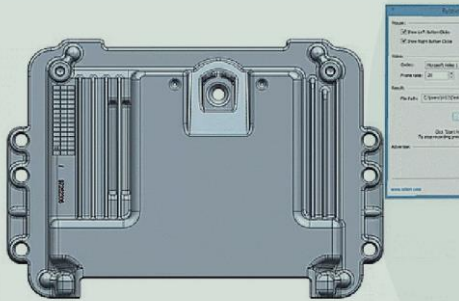
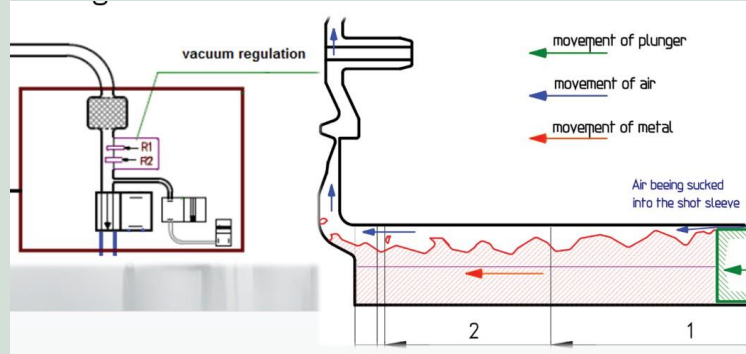


- Technologies Implemented
 - o Squeezing Pins
 - o Vacuum
 - o Jet cooling
 - o Thermo Regulations



CAPABILITY – DESIGN & ENGINEERING

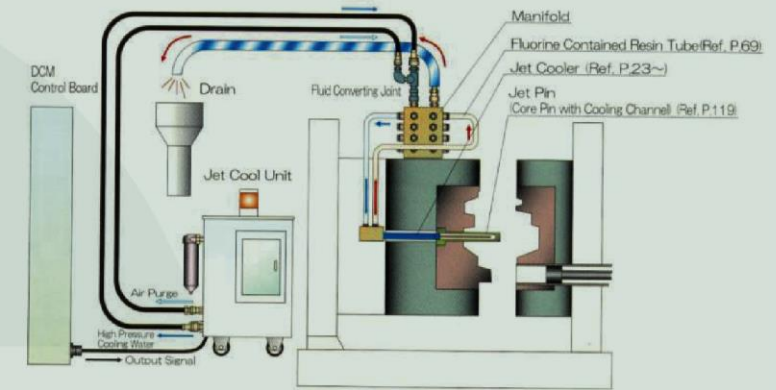
Vacuum Technology



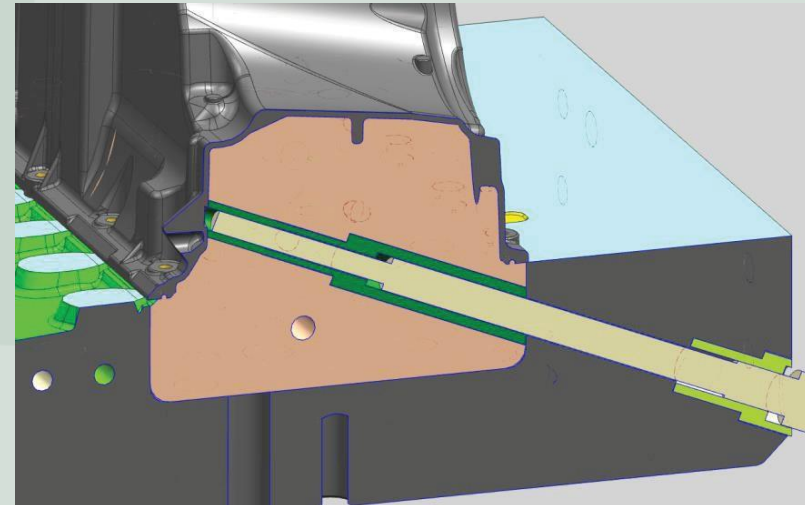
Components with less wall thickness can be produced using Vacuum technology to avoid non filling due to air entrapment.

Jet Cooling

- Cooling of small diameter core pins.
- Controlled cooling of area where soldering, shrinkage and leakage due to pressure is tends to occur



Partial Squeeze Technology



Partial Squeeze technology helps to reduce shrinkage porosity.

INFRASTRUCTURE – MACHINING



**VMC - 4 AXIS
Brother Speedio S700**



**HMC MAZAK
HCN4000**



**VMC - TWIN SPINDLE
CHIRON DZ15W MAGNUM**



**MULTISTEP – 5 AXIS
MIKRON XT-200**

INFRASTRUCTURE – QUALITY & TESTING



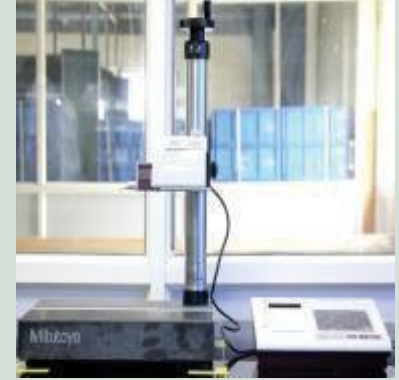
SPECTRO MACHINE



DENSITY METER



MILLIPORE TESTING



SURFACE FINISH



ZEISS CMM MACHINE



GE X – RAY



LEICA LAB PARTICLE COUNT



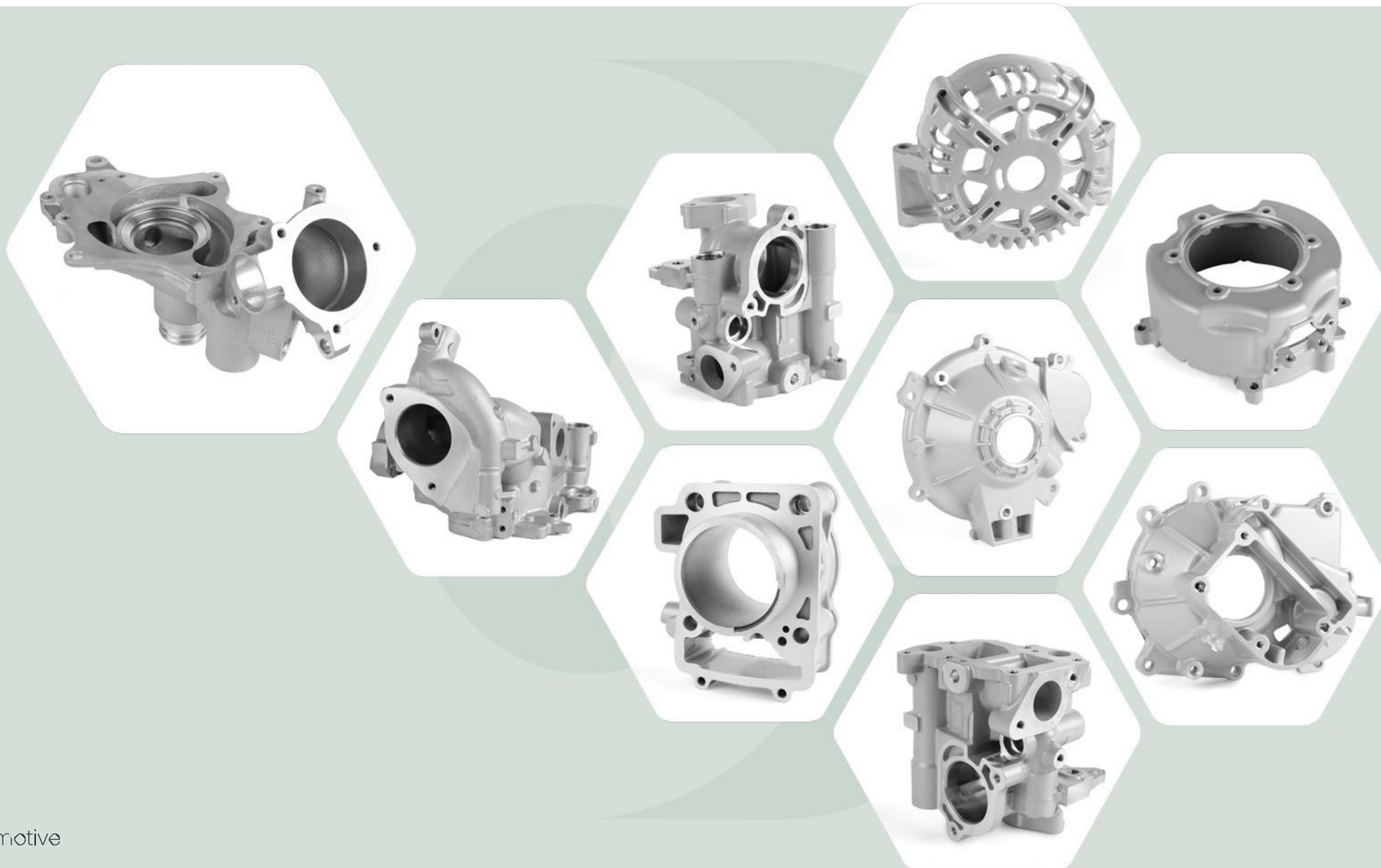
CONTRACER



CIE India

3
Products

Products



Products





4 Customer Recognition

AWARDS AND RECOGNITIONS



- JIPM TPM CONSITANCY AWARD
- TPM EXCELLANCE AWARD
- ZERO PPM
- QUALITY PERFORMANCE
- KAIZEN COMPITION
- DELIVERY PERFORMANCE
- BEST PERFORMER
- DEVELOPMENT

MCIE 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