

RICO

A
WORLD CLASS
INTEGRATED SUPPLIER OF
**AUTOMOTIVE
COMPONENTS
&
ASSEMBLIES**





TEAMWORK

THE POWER OF WORKING TOGETHER

COMMITMENT

THE POWER OF RESPONSIBILITY, ACCOUNTABILITY AND OWNERSHIP

**E
T
I
C
E**

ENTREPRENEURSHIP

THE POWER OF PURSUING NEW CHALLENGES WITH SPEED, FLEXIBILITY AND OWNERSHIP

INTEGRITY

THE POWER OF HONESTY AND TRANSPARENCY

EXCELLENCE

THE POWER OF BEING THE BEST

- **Company Profile, Facilities & Locations**
- **Manufacturing Capabilities and Product Range**
- **Engineering and R&D Capabilities**
- **Joint Ventures**
- **Our Vision**



Leading Integrated Supplier of Automotive Components & Assemblies

**Ferrous &
Aluminium**

**Casting &
Machining**

**Dies &
Moulds**

**Design &
Development**



**OEM
Supplier**

**ISO-TS
16949**

**ISO
14001**

**OHSAS
18001**

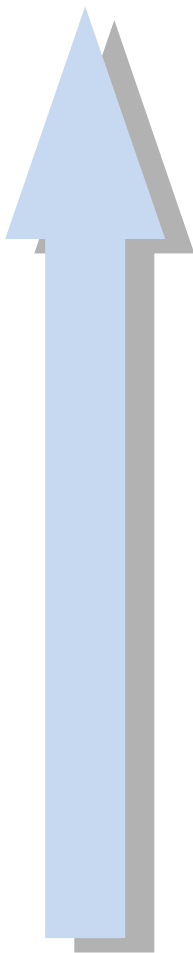
**FORD
Q1**

**CAT-SQEP
Bronze**

RICO Group Combined Turnover \$ 245 Million



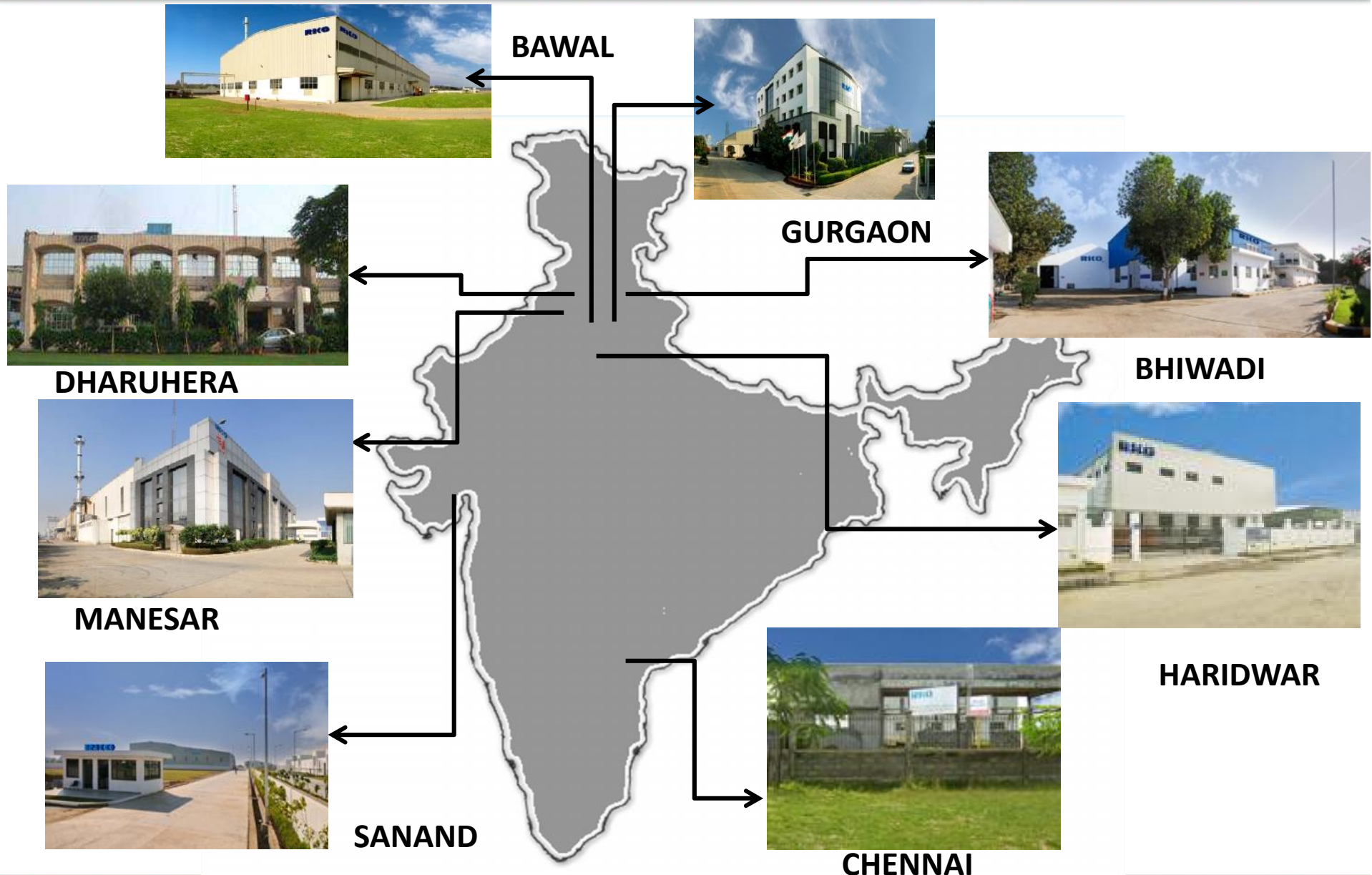
The Journey So far

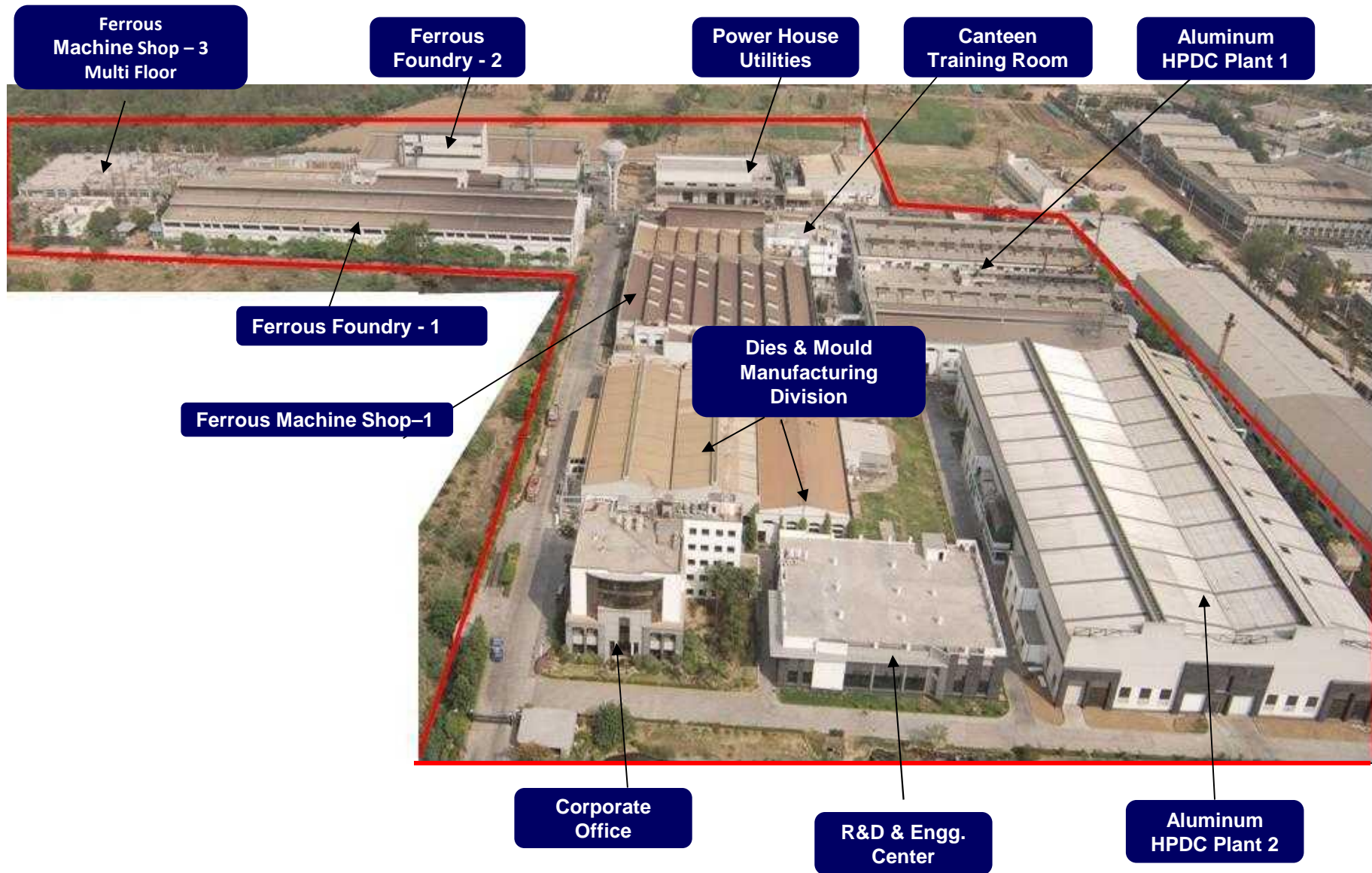


2010-14	Added new facilities/Plants – At Bawal, Bhiwadi, Sanand, Chennai & Haridwar Added Customers – GKN, Toyota, Bentley, VW, Kohler	
2007-09	JV with MAGNA Powertrain (Oil Pump, Water Pump) JV with Continental GmBH (Hydraulic Braking System) JV with Jinfei China (Aluminum Alloy Wheels – 2 Wheelers) Added Customers – JATCO, Mann & Hummel, Magna, Renault, BMW	FORD Q1 CAT SQEP-Bronze
2004-06	R&D Center Started Added Customers – NISSAN, TATA (Small Car Project), Perkins	
2003-04	Enhanced Ferrous and Aluminium Capacity Added Customers – GM, Caterpillar, Honeywell, Detroit Diesel, Volvo	
2000-02	Full Service Engineering Design Development Added Customers – FORD, LandRover, Jaguar	TS 16949 ISO 14001 OHSAS 18001
1999-00	Aluminium Die Casting & Machining (<i>Gurgaon</i>)	QS 9000
1994-96	JV (50:50) FCC RICO (Clutch Assembly) Started Exports – GM, Eaton, Cummins	
1990-92	International Market OEM Supplier – MEC Japan Ferrous Casting & Machining (<i>Gurgaon</i>) Focus – Maruti Suzuki	ISO 9000
1985-86	Technical Collaboration FCC Japan Commercial Production Started (1986) Aluminium Die Casting & Machining (<i>Dharuhera</i>) Focus – Hero Honda & Maruti Suzuki	



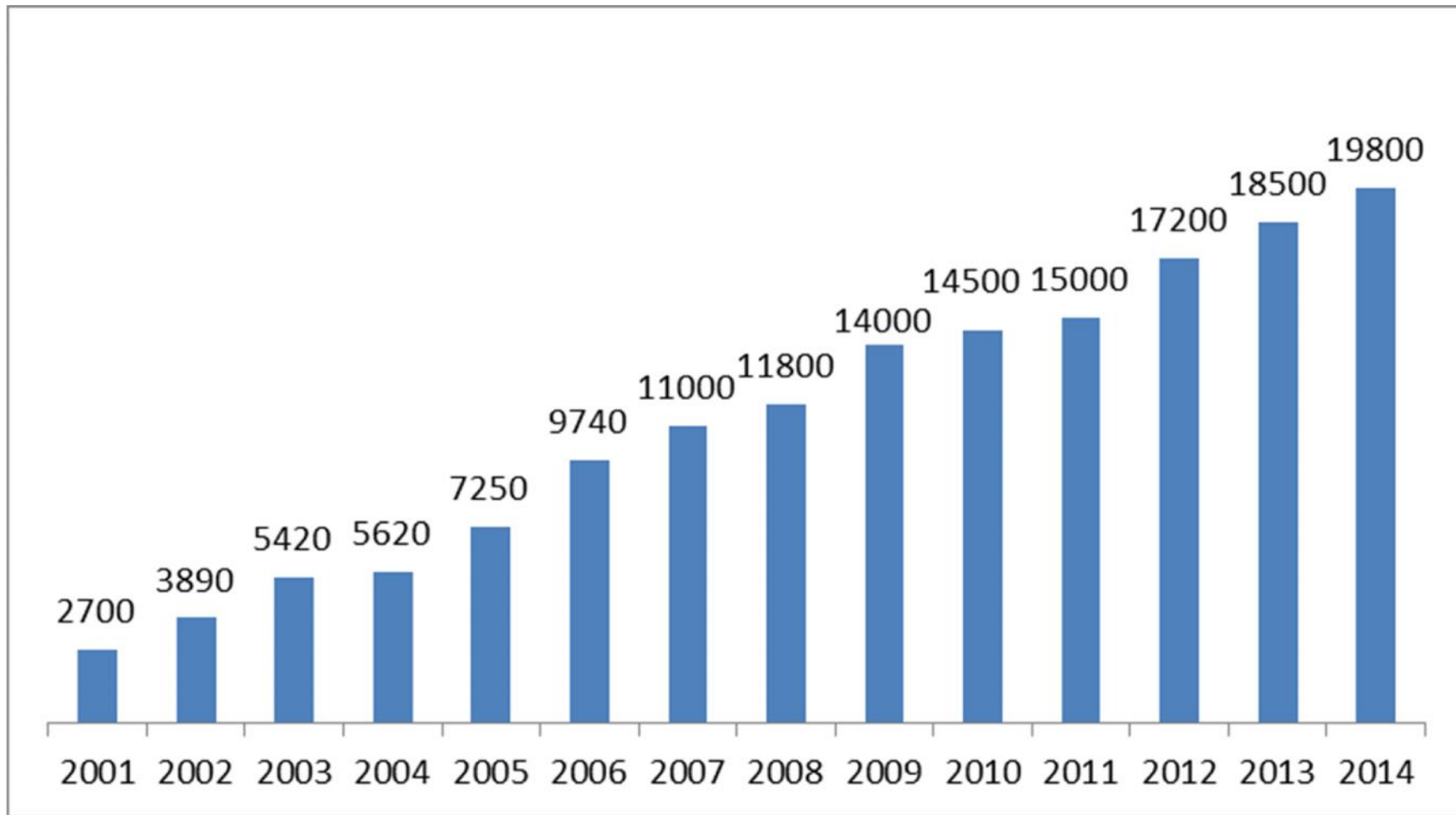
Manufacturing Locations





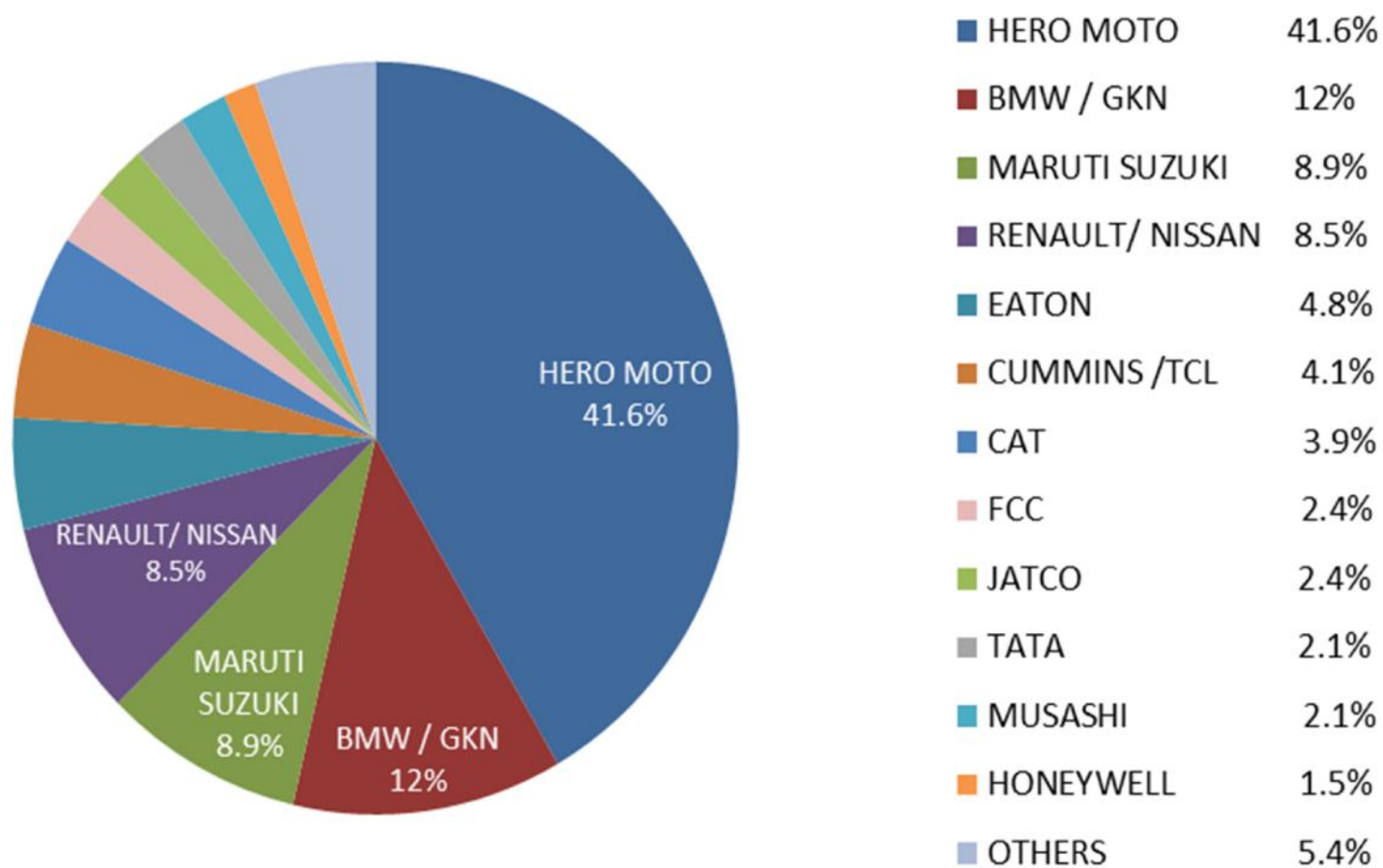


Group Turnover (INR Mn)



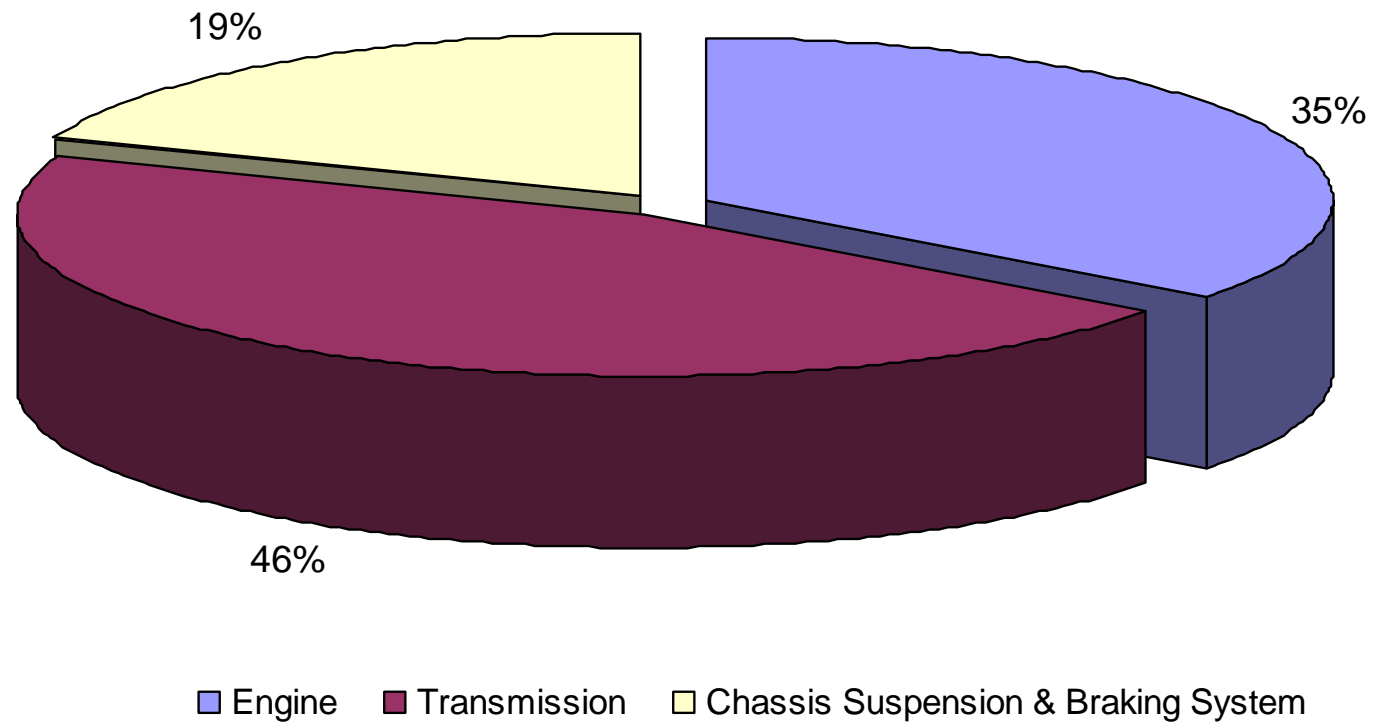


Rico Auto – Customer Contribution





Group Revenue -Product Segment Wise



Engine



- Oil Pump Assembly
- Fuel System Parts
- Lube Oil Filter head
- Exhaust Manifolds
- Turbine Housings
- Center Housings
- Crank Cases & Covers
- Cylinder Head Cover
- Oil Pan
- Intake Manifold Cover
- Engine Front Cover
- Valve Cover
- Balance Shaft Assembly
- Gear Housing
- Main Bearing Caps
- Water & Air Connections
- Timing Cases
- Cylinder Block (Aluminum)
- EGR Housing

Transmission



- Clutch Assembly
- Differential Case
- Gear Shift Forks
- Intermediate Plate
- Pressure Plate
- Rear Case
- Transmission Case
- Front Transmission Housing

Chassis & Braking System



- Wheel Hub Assembly
- Brake Panel Assembly
- Brake Disc
- Brake Drums
- Caliper & Anchor
- TMC Tandem Master Cylinder



Current Global Customer Base

Two Wheelers



Four Wheelers

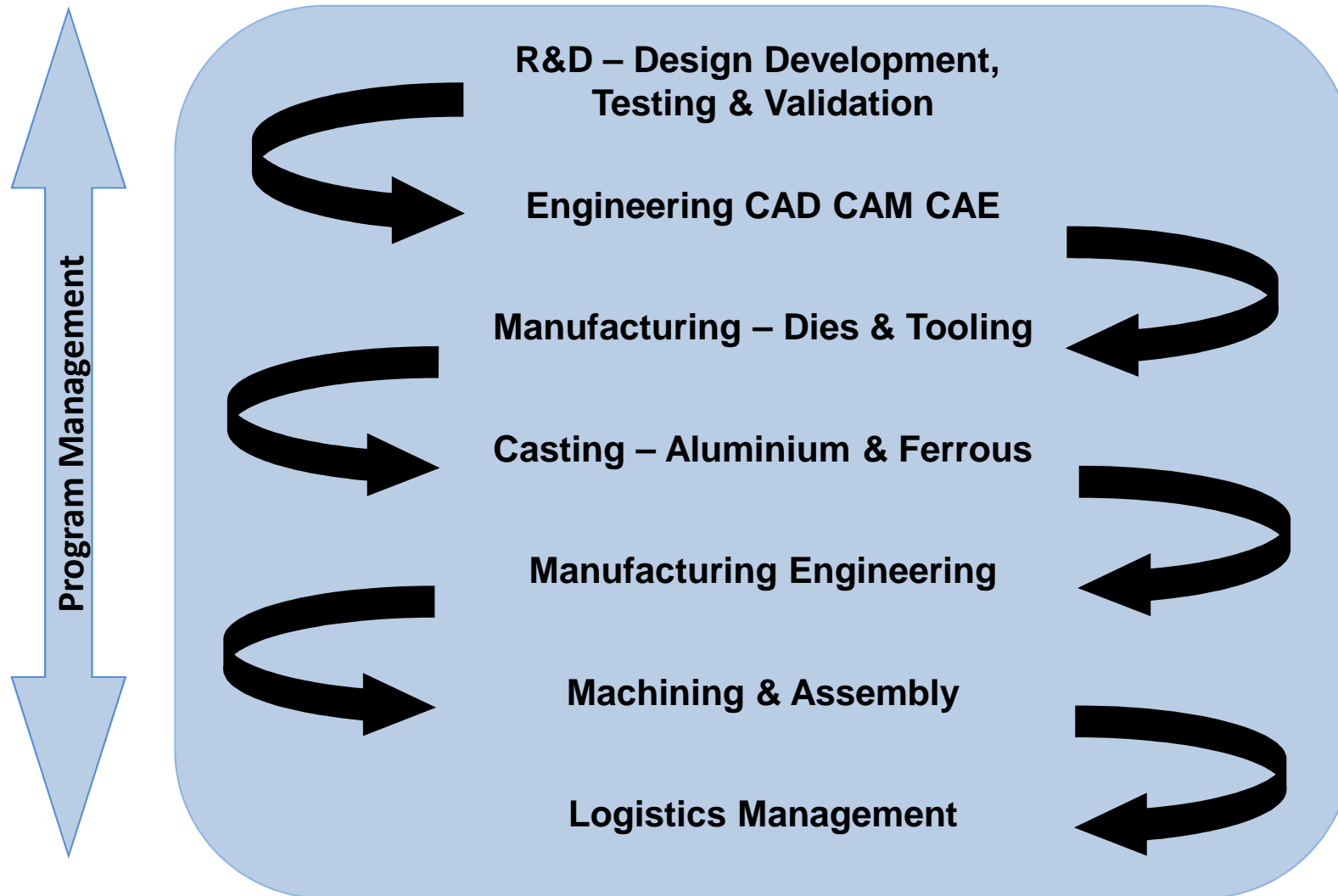


System Suppliers





Integrated services - Product to Deliveries





Aluminium



**Over 100 High Pressure Die Casting Machines (135 – 2500 Tns Locking Force)
Largest High Pressure Die Casting Capacity in India including GDC & LPDC.**



4 Molding Lines - 2 DISA & 2 Horizontal (SINTO & DISA)

Vertical Size (650 * 535 * 130~330) & Horizontal Size (610 * 510 * 200+200)

Material: Gray (FC), Ductile (FCD), SiMo, SiMo Chrome



Machining & Assemblies



**Over 1,500 Machines (CNCs & SPMs) +
One of the Largest Machining Facility in India
Over 50% of Our Product Range is with Assemblies**



Engineering: CAD, CAM & CAE

**Competitive Advantage: Manufacturing Experience Combined with Engineering CAD
CAM CAE Center**



Capabilities (Over 60 Seats)

CAD & CAM

Unigraphics, Pro E, Catia, C3P, Ideas, Vericut

CAE Computer Aided Engineering

Magmasoft, FEA, CFD, Ansys, FCX, GT Suite, MSC Fatigue

Advantages

Concurrent engineering with customers.

Shorter development time.

Inhouse designing, Modifications & product design optimization.



Tools & Die Manufacturing

In-House Dies & Pattern Design & Manufacturing

Manufacture over 250 Dies & Patterns and 800 Die Inserts Annually



Design & Manufacturing

- Dies for HPDC Engine Blocks, Bed Plates, TM Cases upto 2500 T
- Dies for LPDC & GDC dies.



Aluminium Products – Engine

Crank Cases

Annual Capacity: 2 million
Supply Location : India





Aluminium Products – Engine

Oil & Water Pump Housing & Assemblies



Annual Capacity: 1.5 million
Supply Location : India & Italy



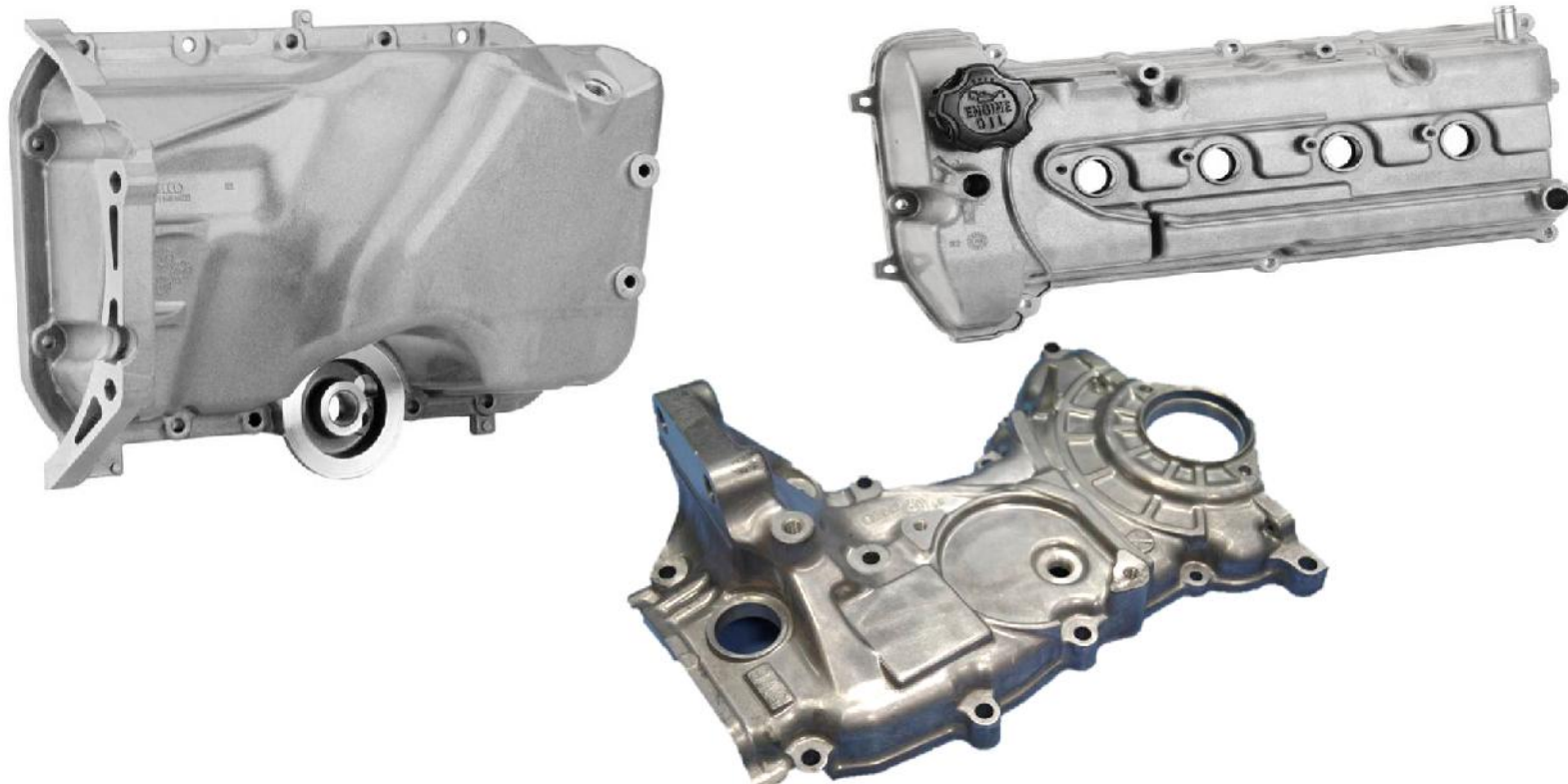


Aluminium Products – Engine

Cylinder Head Covers Assembly & Oil Pans



Annual Capacity: 550,000
Supply Location : India





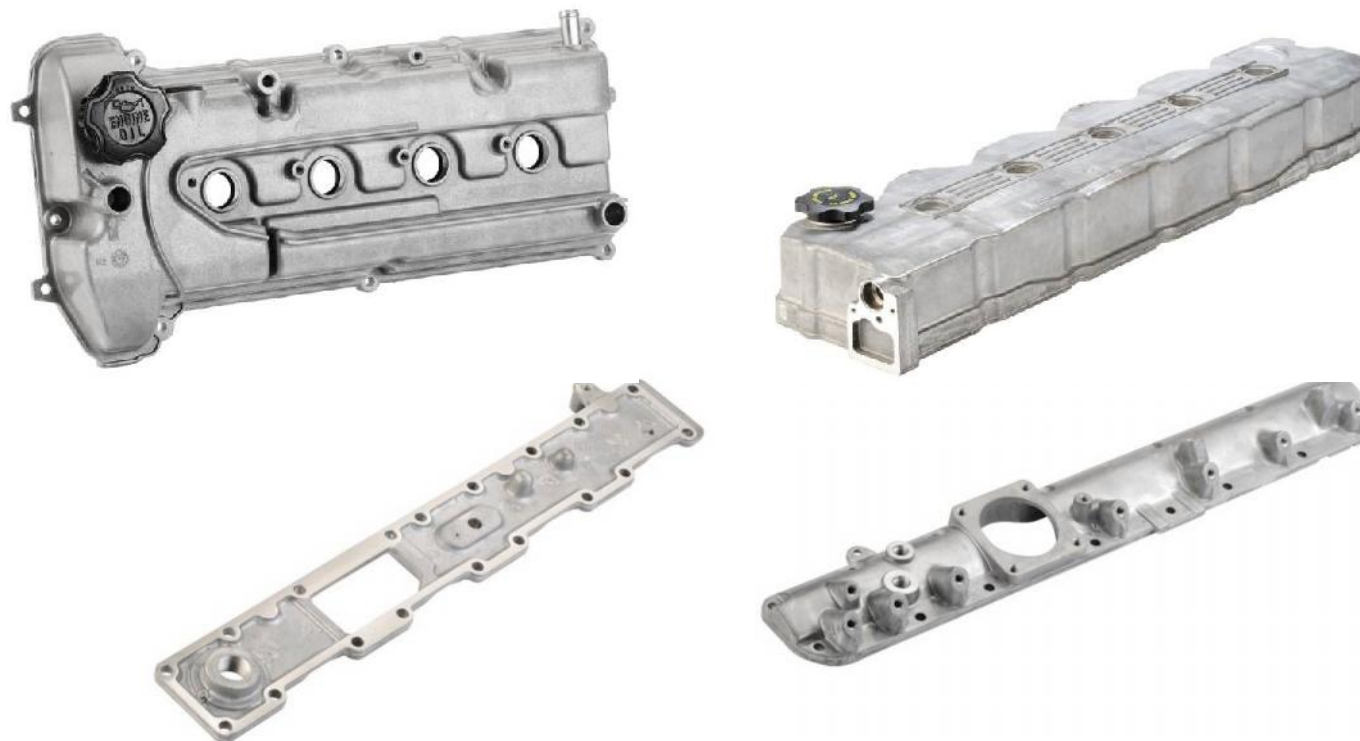
Aluminium Products – Engine

Cylinder Head Covers



Annual Capacity: 350,000

Supply Location : India, Europe & USA





Aluminium Products – Engine

Cylinder Block (Petrol & Diesel)

Annual Capacity: 400,000

Supply Location : India





Aluminium Products – Engine

Bed Plate (Aluminum HPDC)



Annual Capacity: 100,000
Supply Location : India





Aluminium Products –Engine

Fuel System Components



Annual Capacity: 250,000

Supply Location : India, Europe, USA & China





Aluminium Products – Engine

Fuel System Components

CATERPILLAR®



Annual Capacity: 250,000

Supply Location: USA, Europe China & India





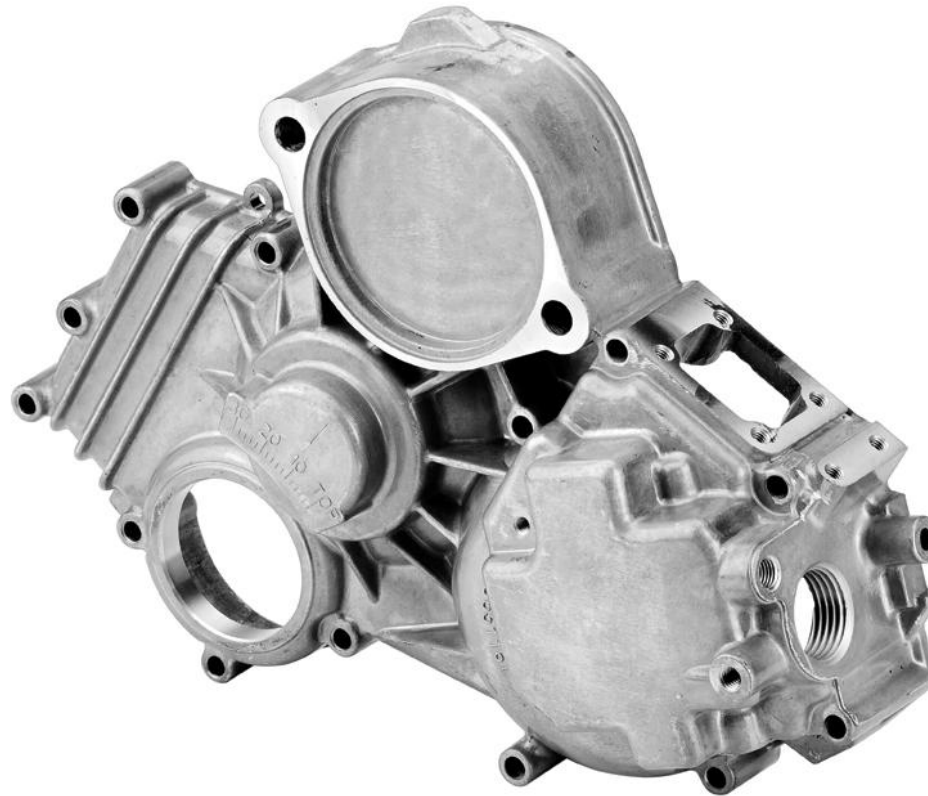
Aluminium Products – Engine

Timing Cases



Annual Capacity: 100,000

Supply Location: Europe





Ferrous Products – Engine

Balance Shafts



Annual Capacity: 50,000

Supply Location: India





Ferrous Products – Engine

Main Bearing Caps

Annual Capacity : 3.5 million
Supply Location : India, Europe & USA



RENAULT



DETROIT DIESEL





Ferrous Products – Engine

Exhaust Manifolds

Annual Capacity : 200,000

Supply Location : India, Europe & Asia





Ferrous Products – Engine

Turbine & Center Housings

Annual Capacity : 300,000 each
Supply Location : India & Europe



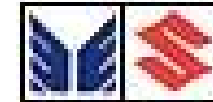
PSA PEUGEOT CITROËN





Ferrous Products – Transmission

Differential Cases



Annual Capacity : 1.7 million
Supply Location : India, Europe & Japan





Ferrous Products – Transmission

Retainer Bearing Assembly

Jatco

Annual Capacity : 400,000

Supply Location : Japan & China





Ferrous Products – Transmission

**Clutch Parts (Intermediate Plate & Pressure Plate) &
Rear Cases**



**Annual Capacity : 200,000
Supply Location : USA**



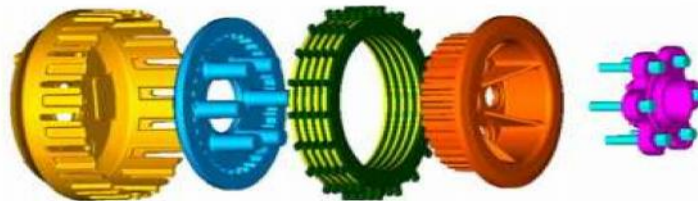


Aluminium Products – Transmission

Clutch Assemblies

Annual Capacity: 7 Million

Supply Location : India





Aluminium Products – Transmission

Transmission Case



Annual Capacity: 150,000
Supply Location : India & Brazil





Ferrous Products – Chasis

Anchor & Caliper Housings



Annual Capacity: 500,000

Supply Location : India





Ferrous Products – Chasis

Brake Discs & Drums

Annual Capacity: 1 Million
Supply Location : India





Rico Group Joint Ventures



**50% MAGNA
Powertrain
50% RICO**

**Oil Pump
Water Pump
(Automotive Engines)
(India & Europe)**



**92.5% RICO
7.5% Jenfei**

**Aluminum Alloy Wheels
Two Wheelers**



RICO Corporate Social Responsibility



- ✓ **Enhancing Environmental Sustainability**
- ✓ **Supporting Rural Development**
- ✓ **Providing Preventive Health Care**
- ✓ **Promoting Education & Skill Development.**



Enhancing Environmental or Natural Capital

- All units are certified with ISO 14001
- Planted -" average 250 trees every year"
- 100% treatment of waste water,
- Recycling Paper
- This year Target for planting 1K trees in community.





- Organizing Preventive Health Check Up camps.
- Spreading Awareness among for communicable diseases.
- Providing Counselling Sessions one to one for Adopting healthy way of living.
- Organized Blood Donation Camp.





- Industrial Training Institute Adopted
- Organizing various Training to enhance skill of students.
- Providing Career Counselling
- Organizing Industrial Visits and training for students
- Involving Students in Various EHS awareness



Our Vision

“To be preferred supplier to OEMs across the globe”

Overall Strategies

Strategic Alliances & Joint Ventures

Expand Manufacturing Presence

Move from Components to Systems

Continuous Focus on Quality & Cost

World Class Human Resources & Plants