

DRIVING INTO THE FUTURE

Revent offers diversified one-stop, multi-technology solutions for

Ferrous Casting & Machining | Aluminium Casting & Machining | Forging & Machining

The manufacturing facilities are equipped with cutting-edge technology and maintains the highest standards, ensuring that the processes meet offerings across all segments.



Introduction



Complete solution Provider

Fully equipped to provide solutions for Ferrous & Non Ferrous castings, Forgings & Machining processes



Global Partnerships

Long standing partnerships with Indian & International customers. Advanced capabilities to handle critical parts of various Industries



Ethical Governance

Professionally managed and Board governed company. Committed to highest standards of governance and ethical conduct



Strategically Located

Strategically located facilities in close proximity to primary customer locations

13+

Manufacturing and machining plants across India

3500+

Competent professionals deployed across all locations.

Presence across sectors



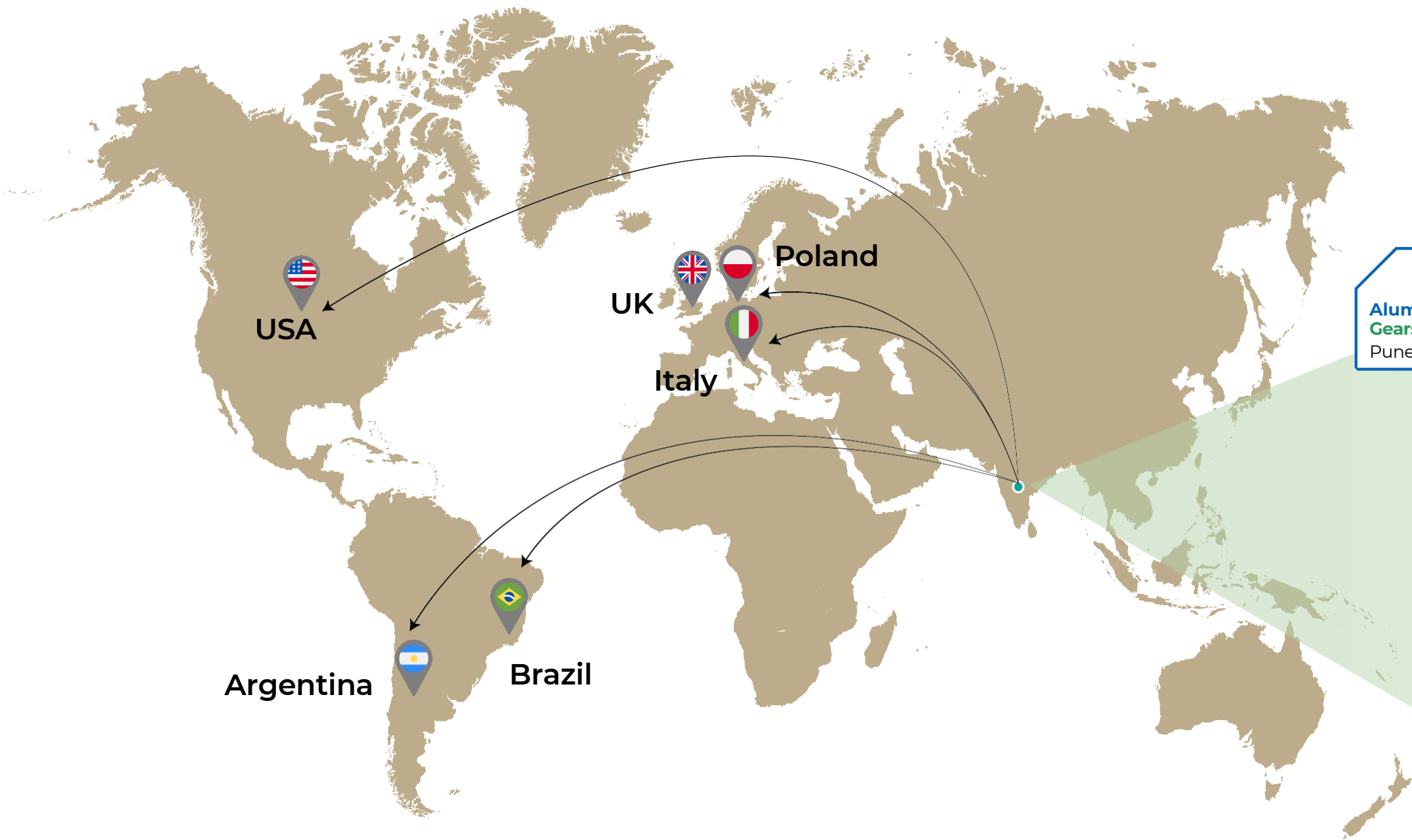
* Others include Tier1, Railways Industrial Engineering, Hydraulics & Energy Sectors

Vision & Core Values

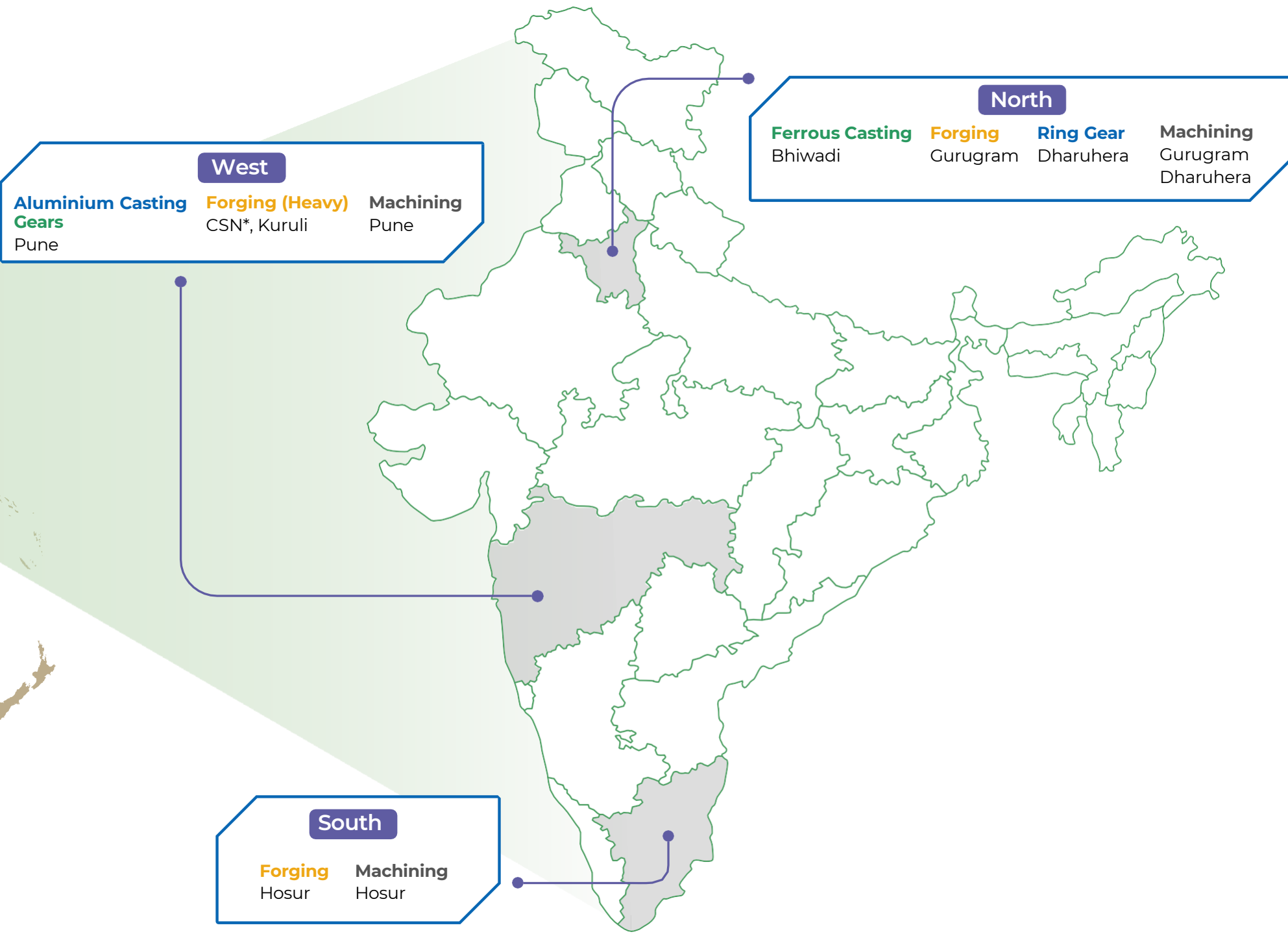
Transforming together with Customers, Suppliers & other Stakeholders by focusing on innovation in manufacturing technologies to become a globally benchmarked One Stop Solution Provider.



Countries we export to



Our Geographical Presence



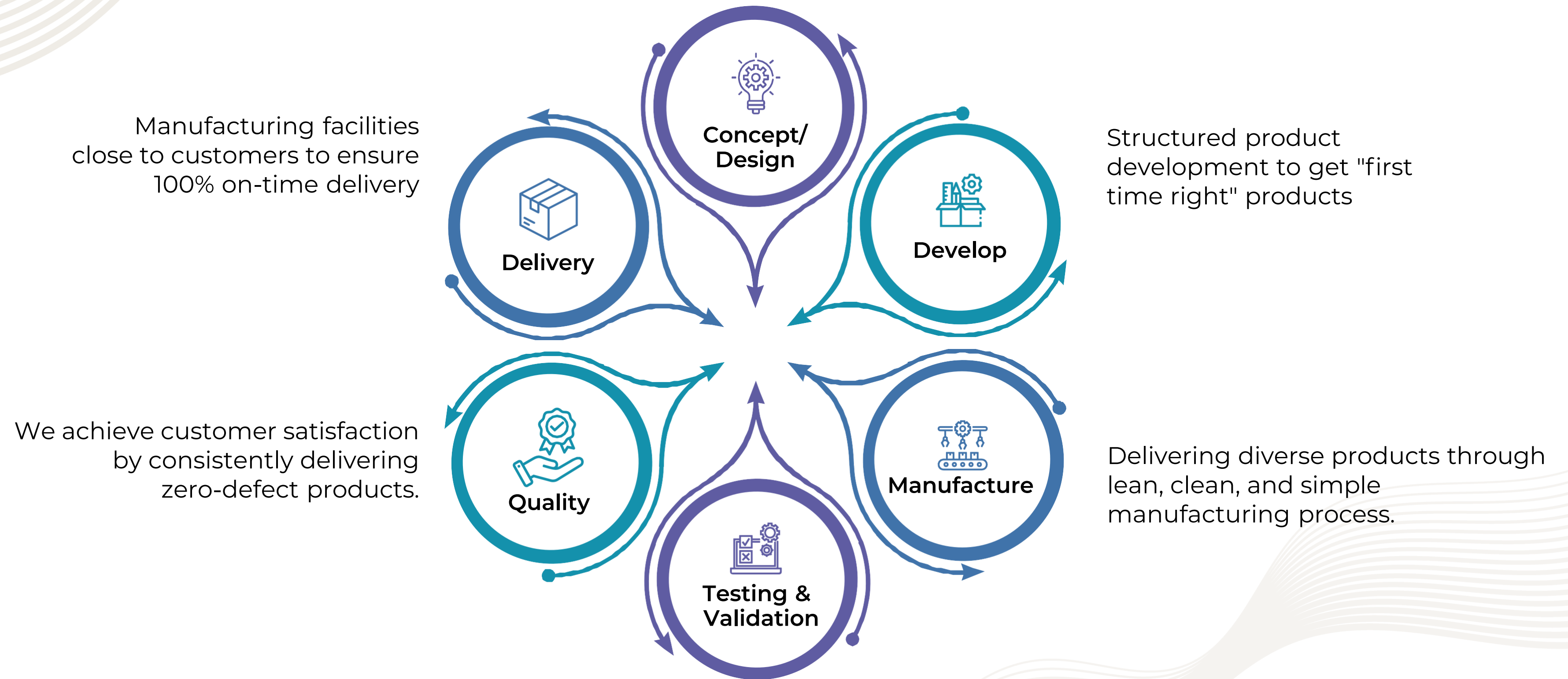
US Office:
One Fawcett Place, Greenwich, CT 06830, USA

India Office:
Forging Division Unit-II, Gurugram, Haryana-122004, India

*CSN: Chhatrapati Sambhajnagar

One Stop Solution

Focus on developing innovative, lean and cost competitive solutions to maintain a technological edge



Our Businesses

Forging



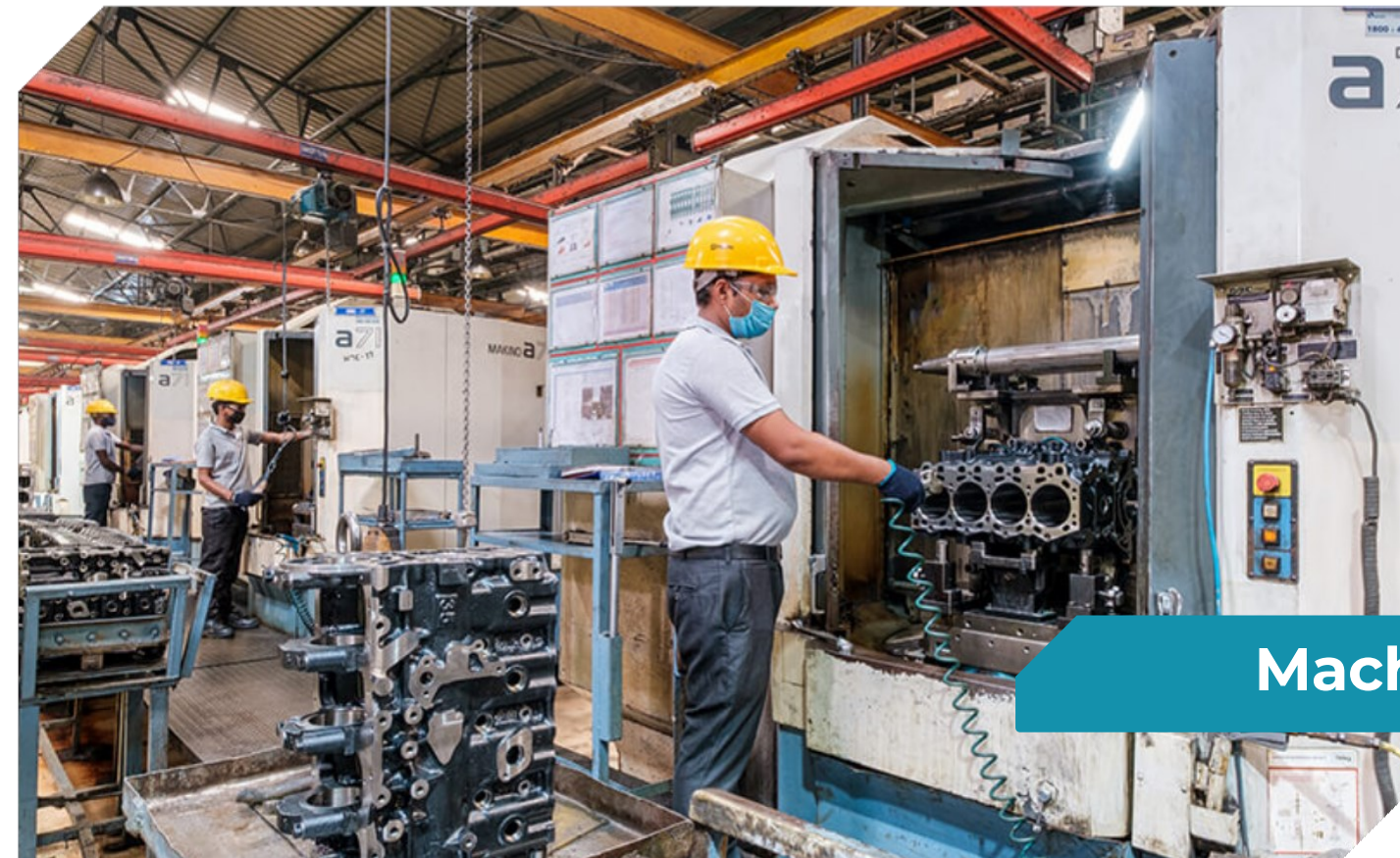
Ferrous Casting



Aluminium Casting



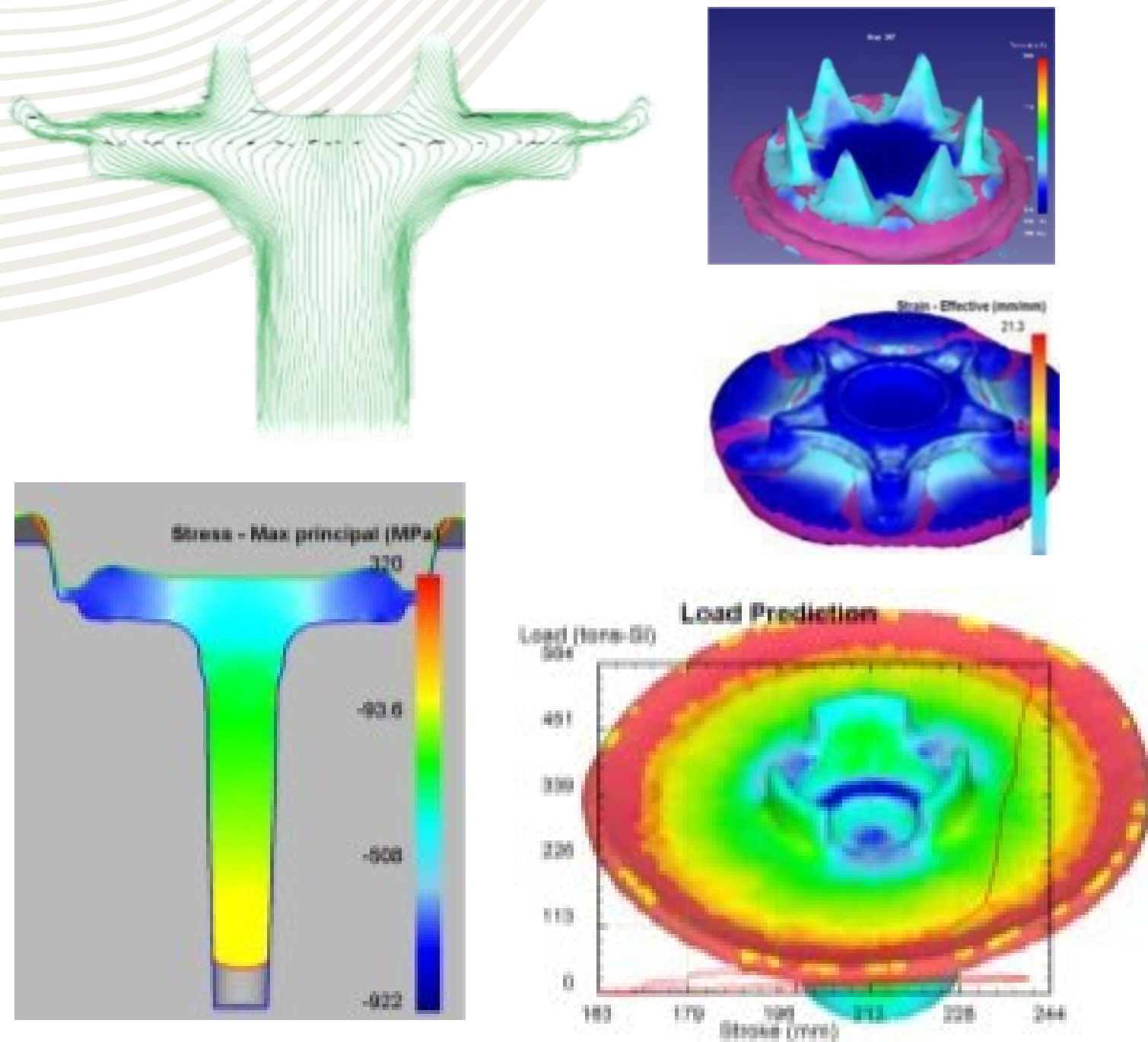
Machining



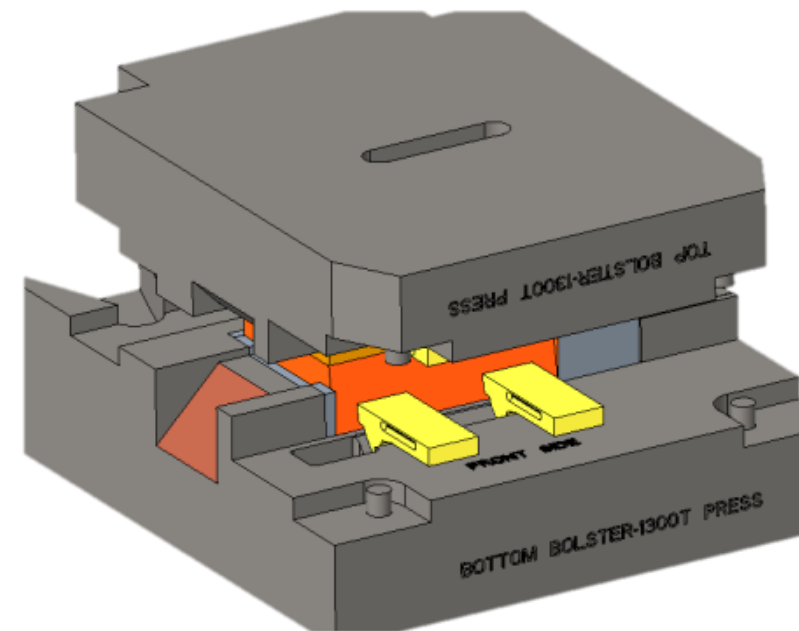
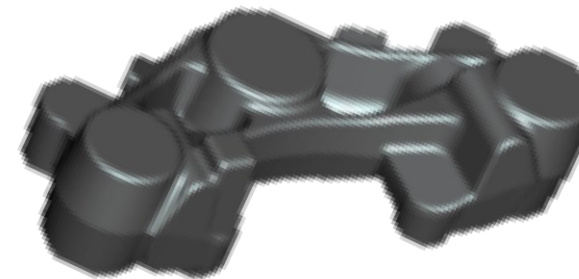
Forging

Plants	Forging Division Unit I	Forging Division Unit II	Forging Division UNIT III	Forging Division Unit IV
Location	Hosur	Gurugram	Pune	CSN (Chhatrapati Sambhajinagar)
Press Range	600T-1350T	600T-1300T	700T-6000T	1000T-8000T
No of Presses	05	14	10	03
Product Weight	0.20 - 3.5 Kgs	0.20 - 3.5 Kgs	0.13 - 55 Kgs	0.45 - 90 Kgs
Total capacity	1,10,000 MT/Annum			
Heat Treatment	- Continuous type LPG fixed Quench & tempering Furnaces - Continuous type LPG fired Isothermal Annealing Furnaces - Continuous type Electricity Heated Mesh Belt - Continuous type PNG (1 Ton/ hour) Hardening, Tempering, Iso Annealing & Normalizing - Continuous type LPG (3 Ton/ hour) Hardening, Tempering, Iso Annealing & Normalizing			
Quality Inspection & Testing	- Spectrometer (German - Spectro) - Microscope (Japanese - Olympus) - Digital & Optical Hardness Testers - UTM - CMM Accurate - Tensometer - Ultrasonic Tester - Eddy Current Sorter - Micro Vicker Hardness Tester (Mitutoyo)			

Design Strength - Forging

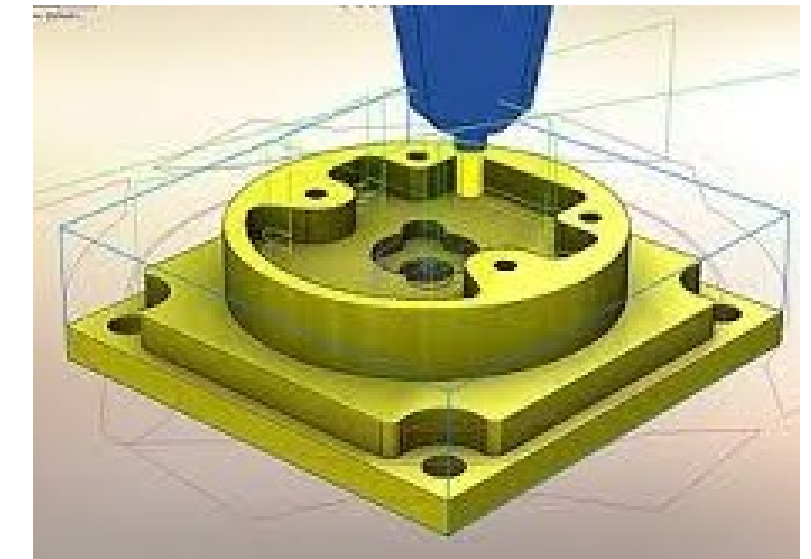


Simulation software Deform



3D modeling Creo-4, UG-1

Delcam for Tool Manufacturing



We have a dedicated team of experienced designers with a capability of both 2D & 3D Modelling. We use all the latest 2D & 3D Design Software with Simulation Modelling to enable the product design is done as per the customer specifications.

Die Technology

- **Special Die welding Technology from USA:**

Very hard around 58 HRC (conventional die hardness is around 50 HRC),
Better in wear properties,
Dimensional control is better than dies manufactured by conventional method.

- **Nitriding of Dies:**

Very hard (hardness around 67 HRC),
Better in wear properties.
Better Dimensional control due to less wear

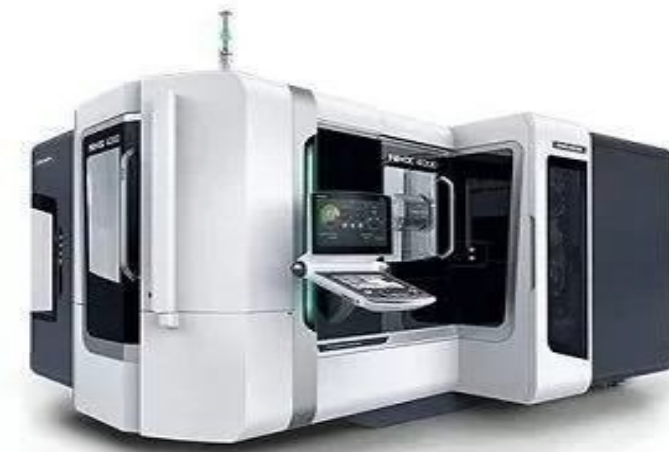
Die Manufacturing Capabilities



HASS



HARTFORD



DMG MORI



DMG MORI

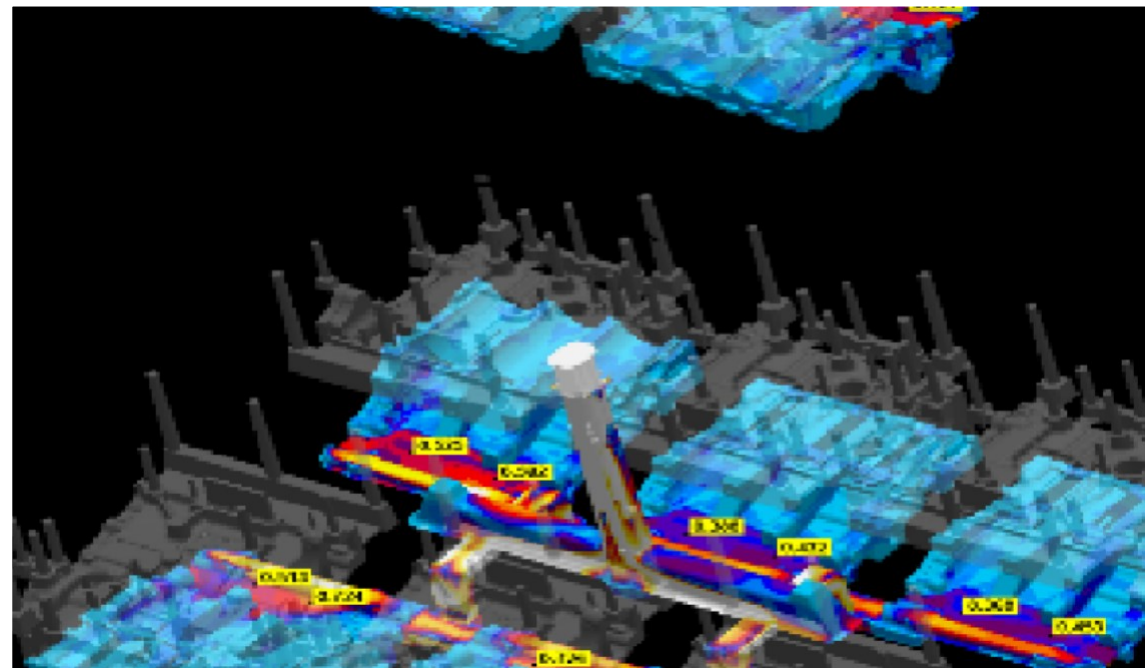
Ferrous Casting

Plants	Ferrous Foundry Unit-I (Sapphire)	Ferrous Foundry Unit-II (Diamond)
Make Metallurgy Lines Product Weight Capacity/annum	HWS line- Germany & GFD Line- Switzerland Grey Iron, S. G. Iron & Silico Moly 02 20-200 KGs 110,000 MT	DISA Lines- Germany Grey Iron, S. G. Iron & Silico Moly 04 0.6 -41 Kgs 95,000 MT
Certificates	■ ISO 9001 ■ ISO 14001 ■ ISO 45001 ■ IATF 16949 ■ BIS 210 ■ CQI 27	
Portfolio	■ Cylinder Block ■ Cylinder Head ■ Axle Support ■ Housing Clutch ■ Diff. Housing ■ Flywheels ■ covers ■ Turbine housing ■ Braking parts ■ Engine & Transmission.	
Capabilities	■ In-house design and tool manufacturing capability. ■ Latest version of casting simulation software. ■ Flexibility in manufacturing capability: Currently doing 500 variants. ■ Fully developed infrastructure with Shell Core, Cold box, Shot blasting, Auto fettling. ■ Capabilities-CAD, CAM, Software-Pro E, Unigraphics, Auto CAD ■ Young and energetic team.	

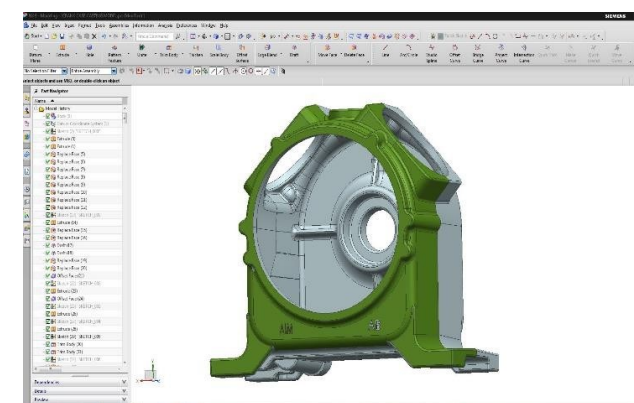
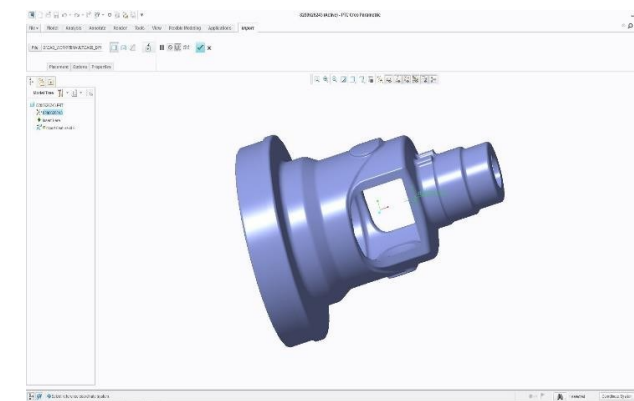
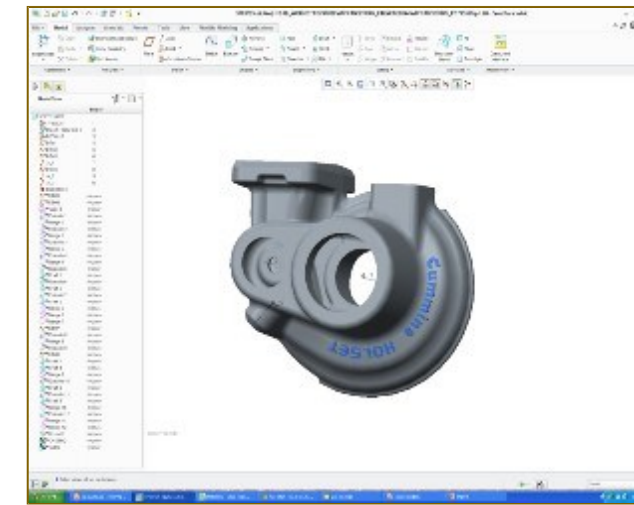
Aluminium Casting

Plant	Aluminium Foundry
Product Weight	0.05 to 20 Kgs
Capacity/annum	2700 MT
Machine	Wide Range of HPDC/ GDC Machine (400MT - 2500 MT)
Certificates	■ ISO 9001 ■ ISO 14001 ■ ISO 45001 ■ IATF 16949
Portfolio	■ HPDC Parts: Gearbox, Clutch, Front & Rear Housing, Cylinder Head cover, Front Cover, Mounting Brackets, Cam Caps, Ladder Frame, Oil Pan. ■ GDC Parts: Spacer Frame LH-RH, Duct Inlet, Throttle Elbow, Engine Bracket, Adapter, Cross gate, Speedo Housing, Air Intake Manifolds.
Machining Capabilities	■ Machine Types: HPDC, Trimming Press, GDC Tilter, Core Shooters, CNC, VMC, HMC, Robo drills, Washing Machines, CNC high speed milling, Wire cutting, Die Spotting, EDM.
Capabilities	■ Inspection Facility: CMM, X ray, Spectrometer, Hardness and Roughness tester, Microscope with camera, Leak testing ■ CAD-CAM: IDEAS C3P, PRO-E WF3, UG NX4, DELCAM power shape tool design, DELCAM power mill with electrode, DELCAM power inspect, MAGMA & Pro Cast for MFA

Design Strength - Casting

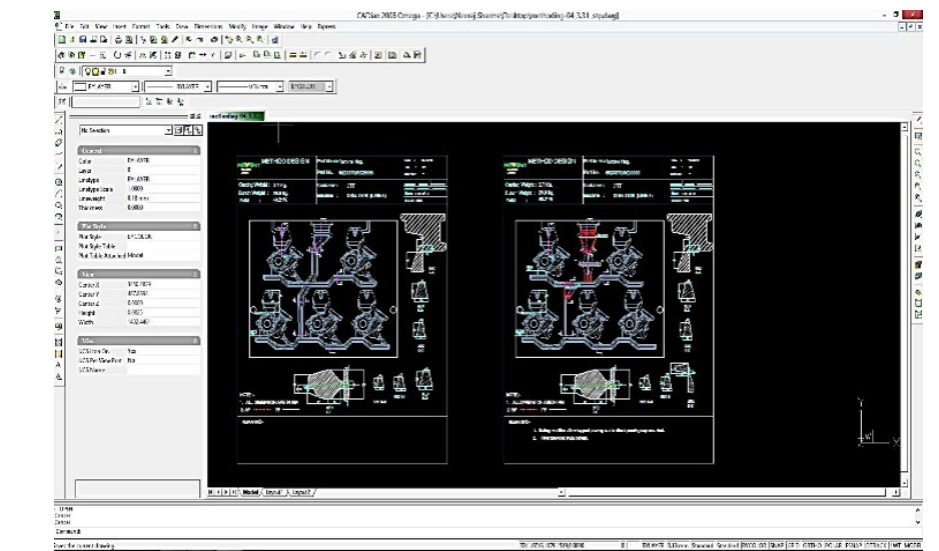


Simulation - Magma Soft



3D modeling:
Creo, Catia, Unigraphics

Drafting Software - Cadian



We have a dedicated team of experienced casting designers with expertise in both 2D and 3D modelling. We use the latest design and simulation tools for casting to ensure every product is developed accurately and in line with customer specifications.

Machining

Product Family Specific Lines	Capability	Machine Types
Split Connecting Rods	Weight Range: 0.100-5 Kg Centre Distance: 94-220 mm Crank End Bore: 30-64 mm Piston End Bore: 12.5-35 mm	Grinding, SPMs, CNC, Torquing VMC, Honing machines. Robotic Auto Gauging & AI based visual inspection facilities available of Split Conrod lines.
Fractured Connecting Rods	Weight Range 0.100-5 Kg Centre Distance: 94-220 mm 30-64 mm Crank End Bore 12.5-35 mm Piston End Bore	CNC Lathes, VMC, Torquing, ALFIN Laser & Fracture, Honing Auto Gauging lines of Fracture Conrod lines
Flywheel Assembly	Weight Range 0.50-55 Kg Size upto 500mm	End to End manufacturing lines Comprising vertical Turning Lathes Induction Heaters Vertical Machining Centres Automatic Balancing & gauging machines
Brake Drum Assembly	Maximum Diameter 300 mm, Length 100 mm. Weight 10Kgs	Full Fledge set up with Robotic Paint shop
Gears & Shafts Machining	Capable of Producing Spur, Helical & Worm gears & shafts for various applications including: ■ Din-7-8 duly heat treated thru gear shaving route. ■ Din 5-6 duly heated treated thru gear grinding route ■ Gears with maximum diameter of 300 & modue max 6	■ Equipped with Hobbing & Shaving machines Sealed quench furnaces. ■ Outer & Inner diameter grinding & Teeth grinding equipment. ■ Crankshaft machining line
Flexible Lines	■ CNC Machines: We have all lines comprising CNCs, VMCs, VTLS, HMCs(Makino & Moriseiki) & Honing (Nagel), Induction Hardening machines, Grinding & Broaching machines. ■ Capable to produce Different Product family parts like: Crankshafts, Balancer Shafts, End Yokes, Shifter Forks, Bridge Fork Bottom, Sector Shafts, Pole Claw, Pole Piece. Machining of Large Casting Parts like Engine cylinder blocks & Heads, Housings, differential cases, Flywheel housings, bed plate inserts & bed plate housings etc.	

Infrastructure - Machining



WENDT
E3500 TS



DMG Mori
NVD 6000 DCG



Makino Horizontal
MC - A71



Makino Horizontal
MC - A82



FCG MAG
SPECHT 500 NG



GH Induction
Hardening Mc



AMS Vertical
Machining Center



REISHAUER Gear
Grinding Mc

Product Offerings - Forging



Camshaft
1-15 Kg



Flange Yoke
1-25 Kg



Spindle Knuckle
2-45 Kg



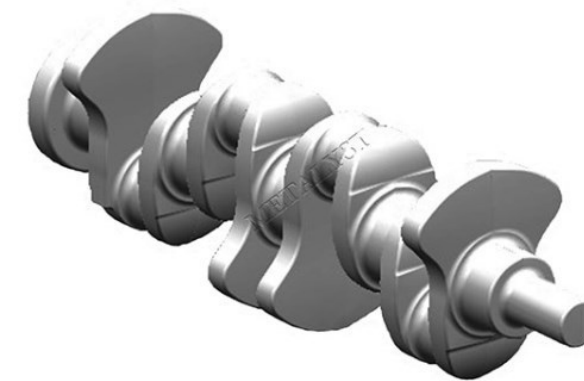
Pinion
2-90 Kg



Stub Axle
3-45 Kg



Connecting Rod
5-40 Kg



Crankshaft
20- 140 Kg

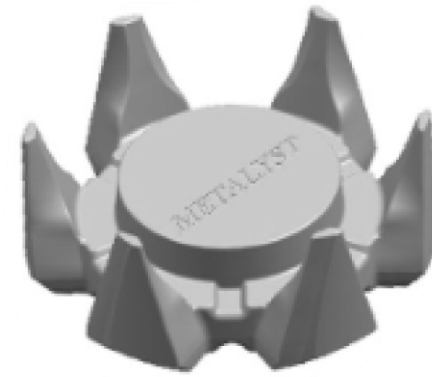


Front Axle Beam
30-95 Kg

Product Offerings - Forging



Boss Rotor
1 – 4 Kg



Claw Pole
1 – 3 Kg



Lever Rocker
1 – 6 Kg



Bridge Fork
1.5 – 3.5 Kg



Gearing Sleeve
2 – 5 Kg



Spring Clamp Plate
2 – 10 Kg



Lever Cam Follower
2 – 10 Kg



Knuckles
2.5 – 6 Kg

Product Offerings - Ferrous Casting



Engine Bracket
1.8 – 12 Kg



Brake Part
2 – 13 Kg



Exhaust Manifold
3 – 7 Kg



Turbo Charger
3 – 27 Kg



Cylinder Head
17– 65.4 Kg



Flywheel
23.5 Kg



Cylinder Block
23.60 – 159 Kg



Flywheel Housing
39 – 45 Kg

Product Offerings - Aluminium Casting



Bracket
0.3 – 1.2 Kg



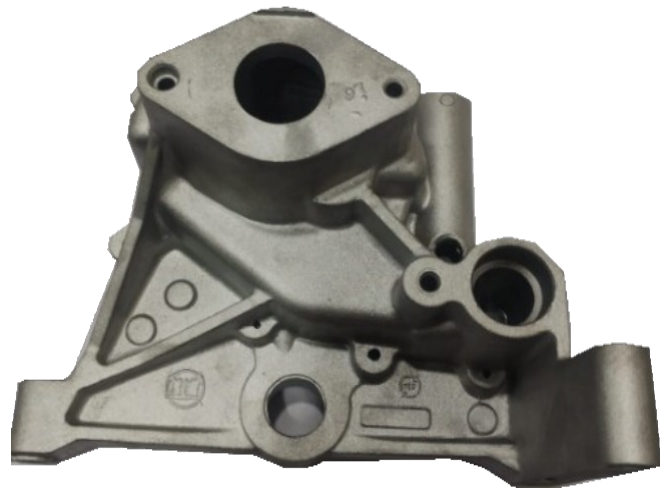
Speedo Housing
0.7 – 1.8 Kg



Front Axle Support
1 – 2 Kg



Cylinder Head Cover
1.5 – 5 Kg



Back Support
2.4 Kg



Inventor Housing
2.5– 5.5 Kg



Adapter Housing
4– 6.5 Kg



Transmission Housing
4 – 10 Kg

Product Offerings - Machining



Camshaft
1 – 15 Kg



Crankshaft
1 – 140 Kg



Diff Case
2.5 – 14 Kg



Balancer Shaft
3 Kg



Connecting Rods
5 - 40 KG



Flywheel
7 – 20 Kg



Stub Axle
14 Kg



Crankshaft
20 – 140 Kg

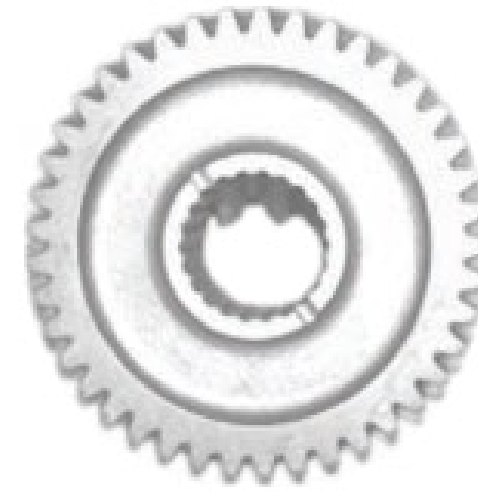
Product Offerings - Machining



Mass Ring



Gear
Upto to 2.55 Kg



Helical Gear NT-41
Up to 2.15 Kg



Helical Gear NT- 32
Upto 0.92 kg



Ring Gear



Worm Gear
Upto 0.65 Kg



Flywheel
5.85 Kg



Flywheel
7 – 20 Kg

Infrastructure - Laboratory

- CMM
- Spectrometer
- Ferro Lab
- Sand Testing Equipment
- Tensile Testing Equipment (UTM & Tensometer)
- Hardness Testing Equipment
- Ultrasonic Velocity gauge for Nodularity testing
- Ultrasonic wall thickness tester
- Resonance test
- DP test facility
- Endoscopy



CMM



Spectrometer

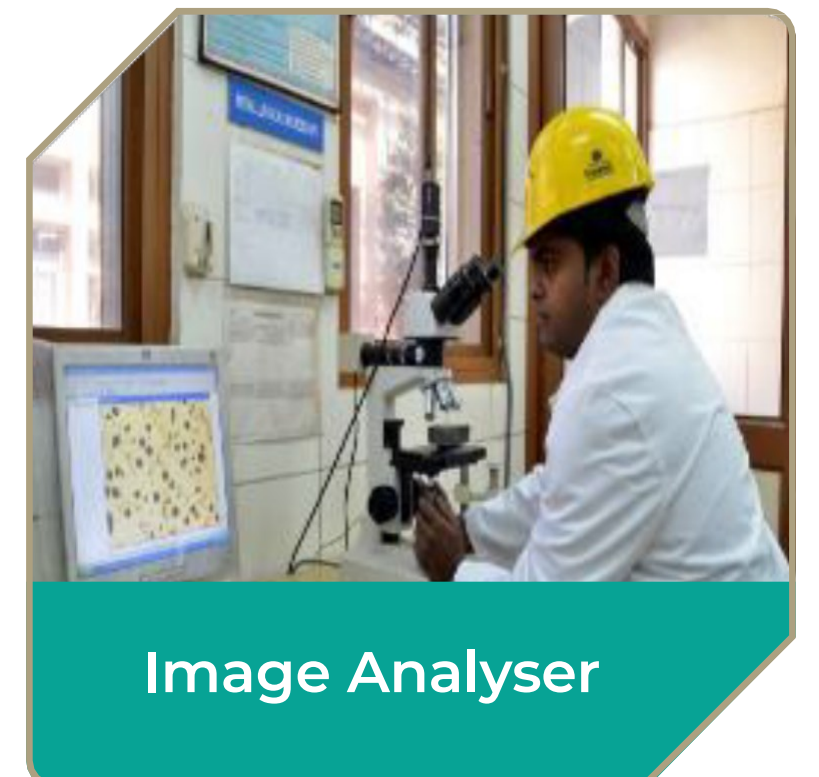


Image Analyser



Sand Test Lab



Physical Properties Lab



Chemical Lab

Certifications

ISO 9001

CERTIFICATE

qualityaustria
Succeed with Quality

Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH awards this qualityaustria certificate to the following organisation:

Revent Precision Engineering Limited
Shed-1&2, ACE, Vill-Malpura, Dhanuhera, Rewari-123106, Haryana, India

Manufacture of Machined & Painted Components and Piston Sub Assembly

This qualityaustria certificate confirms the application and further development of an effective

QUALITY MANAGEMENT SYSTEM
complying with the requirements of standard
ISO 9001:2015

Registration No.: Q-18480/0
Date of initial issue: 02 February 2017
Valid until: 10 April 2027

Vienna, 11 April 2024

Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH,
AT-1010 Vienna, Zelinkagasse 10/3

Mag. Christoph Mondl
CEO

Mag. Dr. Werner Paar
CEO

Ing. Christoph Baumgartner, MSc, MBA
Authorised representative,
management Customer Service Center

The current validity of the certificate is documented exclusively on the Internet under
<http://www.qualityaustria.com/en/cert>

CERTIFICATE

ISO 45001

qualityaustria
Succeed with Quality

Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH awards this qualityaustria certificate to the following organisation:

Revent Precision Engineering Limited
Machining COE Unit – 1 & 2, Village – Malpura, Dhanuhera, Distt. – Rewari, 123106 Haryana, India

Manufacture of Machined Components and Piston Sub Assembly

This qualityaustria certificate confirms the application and further development of an effective

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS
complying with the requirements of standard
ISO 45001:2018

Registration No.: OHS-00764/1
Date of initial issue: 10 September 2020
Valid until: 09 September 2026

Vienna, 19 September 2023

Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH,
AT-1010 Vienna, Zelinkagasse 10/3

Mag. Christoph Mondl
CEO

Mag. Dr. Werner Paar
CEO

Ing. Klaus Weilmann
Specialist representative

The current validity of the certificate is documented exclusively on the Internet under
<http://www.qualityaustria.com/en/cert>

IATF 16949

CERTIFICATE

qualityaustria
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Shed-1&2, ACE, Vill-Malpura, Dhanuhera, Rewari-123106, Haryana, India

Manufacture of Machined & Painted Components and Piston Sub Assembly

This qualityaustria certificate confirms the application and further development of an effective

QUALITY MANAGEMENT SYSTEM
complying with the requirements of standard
IATF 16949:2016
without product design

Registration No.: T-06508/0
IATF-USI: 3EWTPA
IATF-Registration No.: 0510649
Issue Date: 11 April 2024
Expiration Date: 10 April 2027

Vienna, 11 April 2024

Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH,
AT-1010 Vienna, Zelinkagasse 10/3

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Authorised representative,
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CERTIFICATE

ISO 14001

qualityaustria
Succeed with Quality

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Machining COE Unit – 1 & 2, Village – Malpura, Dhanuhera, Distt. – Rewari, 123106 Haryana, India

Manufacture of Machined Components and Piston Sub Assembly

This qualityaustria certificate confirms the application and further development of an effective

ENVIRONMENTAL MANAGEMENT SYSTEM
complying with the requirements of standard
ISO 14001:2015

Registration No.: U-03455/1
Date of initial issue: 31 August 2017
Valid until: 30 September 2027

Vienna, 26 September 2024

Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH,
AT-1010 Vienna, Zelinkagasse 10/3

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Mag. Dr. Werner Paar
CEO

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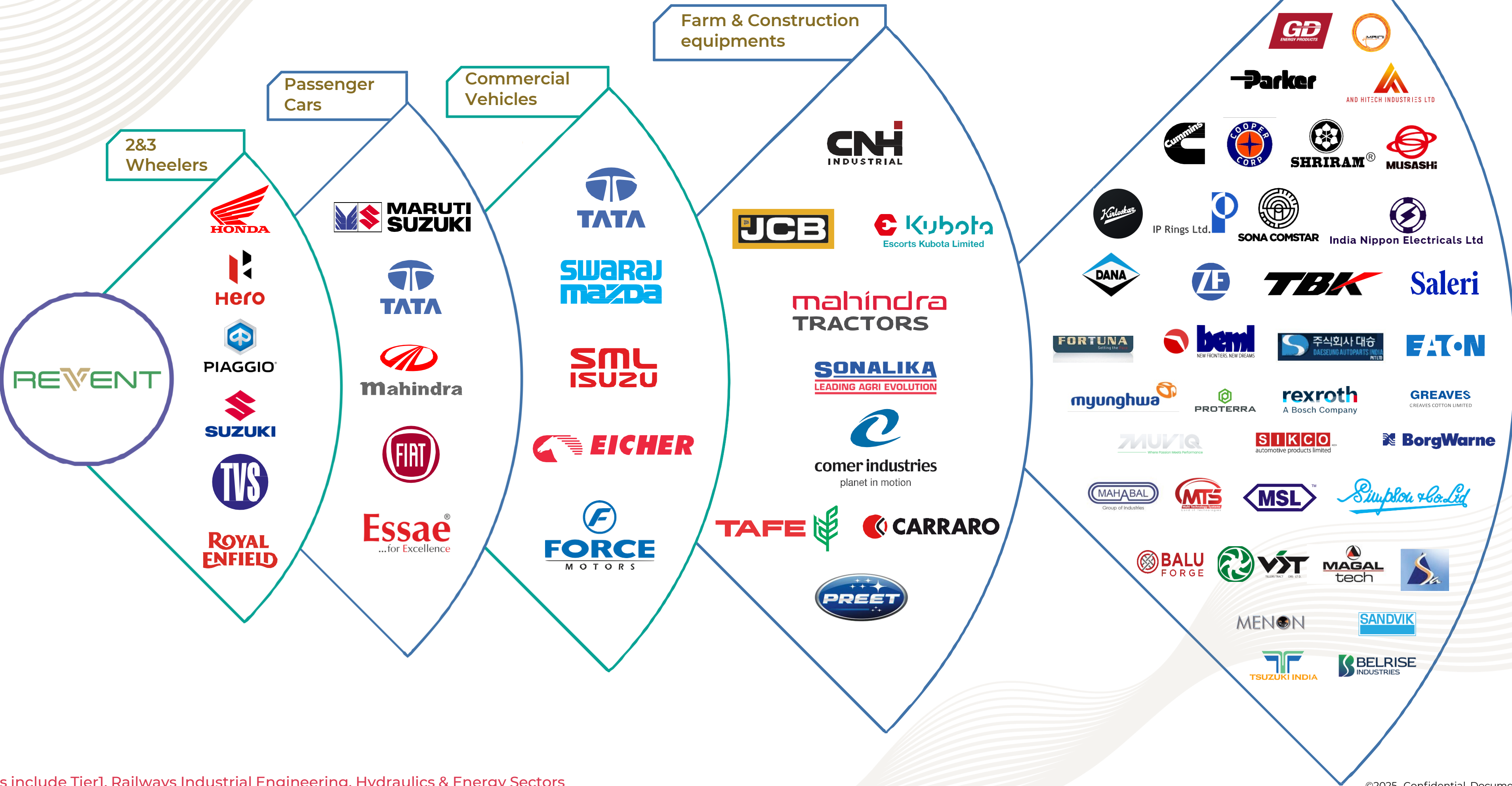
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Investment in Green Energy



- * Ongoing Solar plant installation project (Capacity 20MW) in Rajasthan.
- * Installation completed for Machining Plant , Pune (Capacity 1MW).

Key Customers



* Others include Tier1, Railways Industrial Engineering, Hydraulics & Energy Sectors

THANK YOU!

Get in touch

 info@reventengineering.com

 www.reventengineering.com