

HAPPY FORGINGS LIMITED

Corporate Presentation

About Us

1 Top-Ranked Manufacturer

The fourth-largest engineering-led manufacturer of complex and safety-critical, heavy forged and machined products in India

2 45 Years of Expertise

Specializing in heavy forged, safety-critical and high-precision machined components

3 Integrated Excellence

We cover engineering, process design, testing, manufacturing and supply

4 Global Presence

Catering to domestic and global OEMs, we serve the automotive, farm equipment, off-highway vehicles, oil and gas, power generation, railways and wind turbine sectors





Our Vision



To be amongst the top 10 forging and machining companies globally

Our Values



Stay at the forefront of technology



Deliver more than promised



Respect and encourage people



Inspire innovation and creativity



Care for the environment and society

Experienced Promoters And Senior Management



Paritosh Kumar Garg

Chairman & Managing Director

- ~45 years of experience in industrial sector
- Bachelor's Degree in Arts, S.C. Dhawan Government College, Ludhiana, Panjab University



Ashish Garg

Managing Director

- 17+ years of experience in industrial sector
- Bachelor's Degree in Science (accounting and finance) and Master's Degree in Science (manufacturing systems engineering), University of Warwick, UK



Megha Garg

Whole-Time Director

- 8+ years of experience in industrial sector
- Bachelor's Degree in Science (economics) from the University of Nottingham, UK



Narinder Singh Juneja

CEO & Whole - Time Director

- 50+ years of experience in industrial sector
- Post Diploma in Mechanical Engineering - Y.M.C.A. Institute of Engineering



Pankaj Kumar Goyal

Chief Financial Officer

- ~23 years of experience in finance sector
- Bachelor's degree in Commerce from Government College, Malerkotla, Punjabi University
- Fellow member of the Institute of Chartered Accountants of India



Patwinder Singh

Chief Operating Officer

- 22+ years of overall experience
- Bachelor's in Science from Guru Nanak Dev University
- Degree in Business Administration from CSM Institute of Graduate Studies



Mangesh Shantaram Purandare

Chief Marketing Officer

- 27+ years of experience in marketing sector
- Bachelors in Industrial Engineering
- MBA - University of Pune

Seasoned Board



Satish Sekhri

Independent Director

- 48+ years of experience in the field of sales and marketing and the industrial sector
- On the Board of JK Files and Engineering Limited



Ravindra Pisharody

Independent Director

- 38+ years of experience in marketing, space planning and space strategy
- On the board of Muthoot Finance, Bonfiglioli Transmissions, Kinara Capital and Savita Oil Technologies Ltd.



Atul Behari Lall

Independent Director

- 29+ years of experience in the electronics manufacturing services industry
- MD & Vice Chairman of Dixon Technologies and on the Board of Max Estates Ltd. and Aditya Infotech Ltd.



Rajeswari Karthigeyan

Independent Director

- 30+ years of experience in the credit ratings sector (Ex CRISIL)
- On the Board of Craftsman Automation and Belstar Microfinance

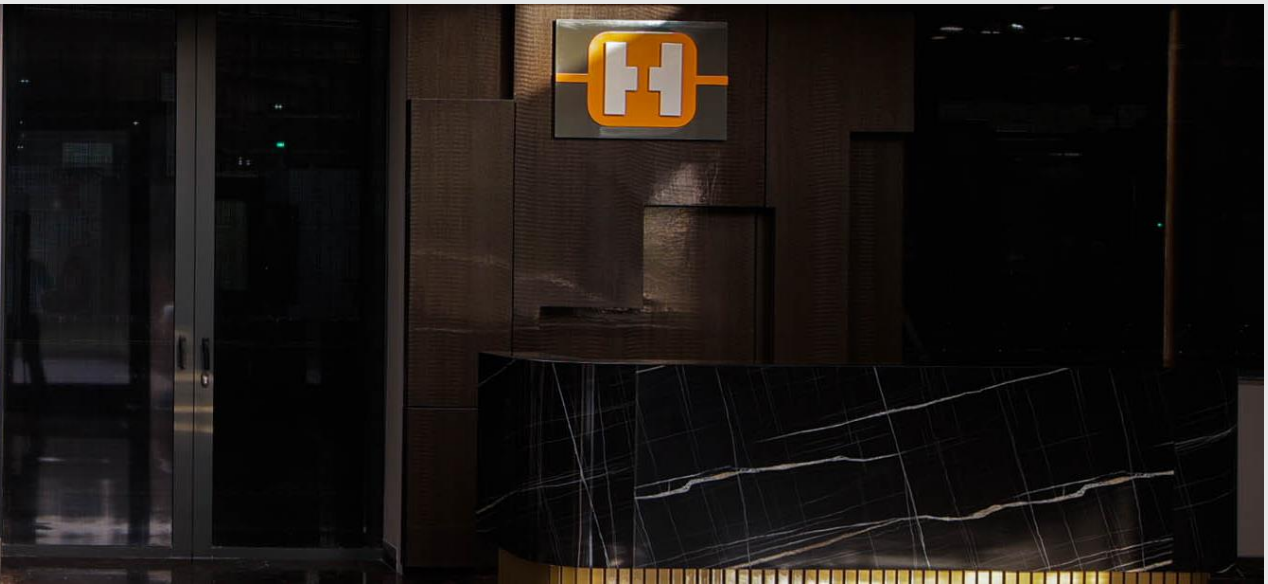
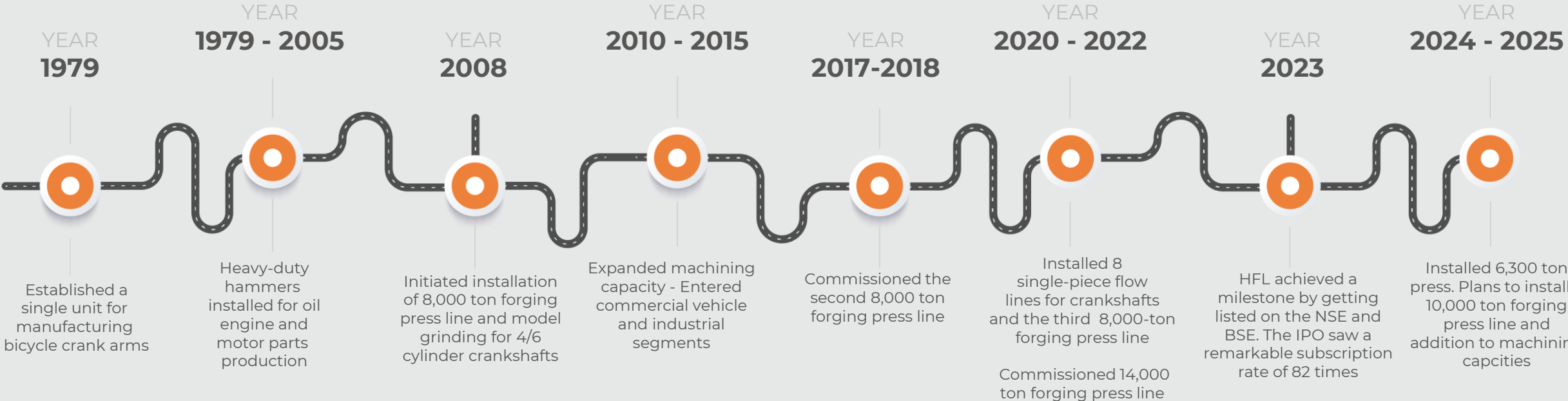


Vikas Giya

Independent Director

- 19+ years of experience in finance sector
- Member of the Institute of Chartered Accountants of India

Our Journey



Global Footprints

Our business footprint extends across geographies.

HFL serves customers across **ten** countries:



- Brazil
- Italy
- Japan
- Spain
- Germany
- Sweden
- Thailand
- Turkey
- United Kingdom
- USA

Product Expanse

Front Axle Components



Crankshaft



Suspension Products



Product Expanse

Differential Case



Cap End Covers, Bucket Link



Railway Parts



Transmission Parts



Planetary Carriers, Pinion Shafts and Housing



Articulated Joint



Valve Bodies



Product Applications

Commercial Vehicles



SUVs



Farm Equipment



Railways



Off - Highway



Power



Oil and Gas



Wind



Commercial Vehicles



Differential Case



Front Axle Component



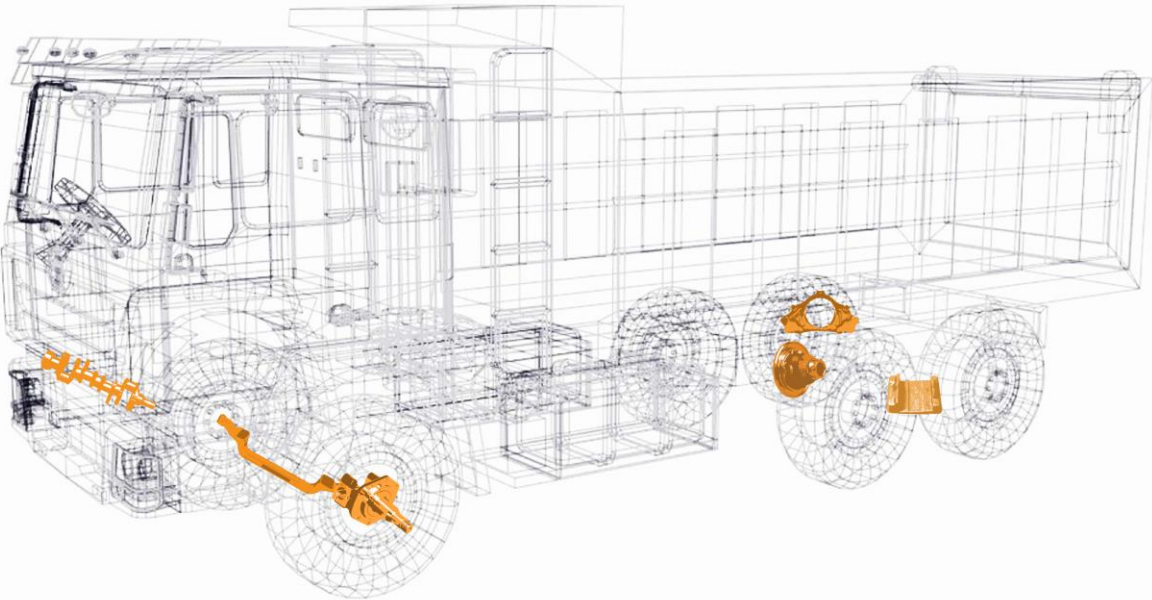
Rear Axle Component



Crankshaft



Suspension Products



Sports Utility Vehicles



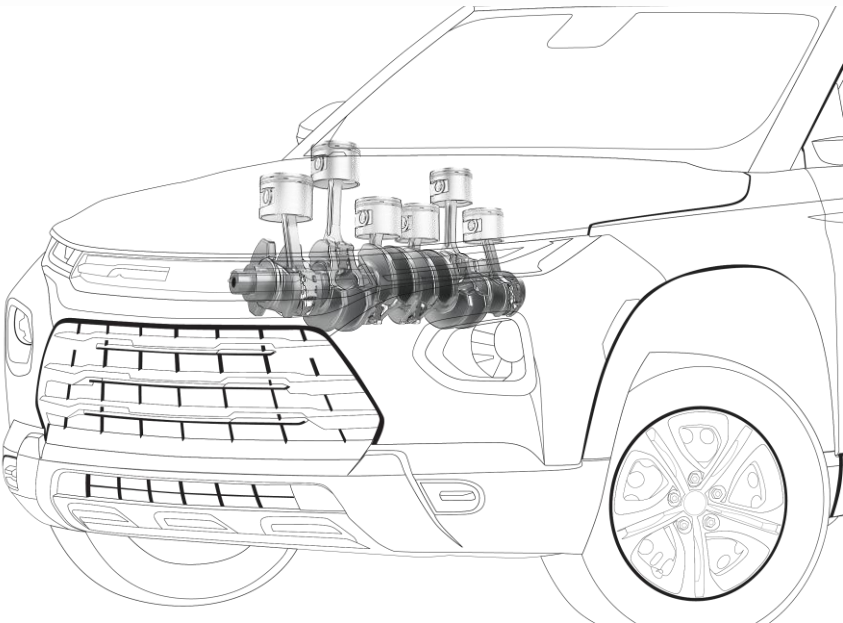
Crankshaft



Brake Flange



eAxle Components



Farm Equipment



Crankshaft



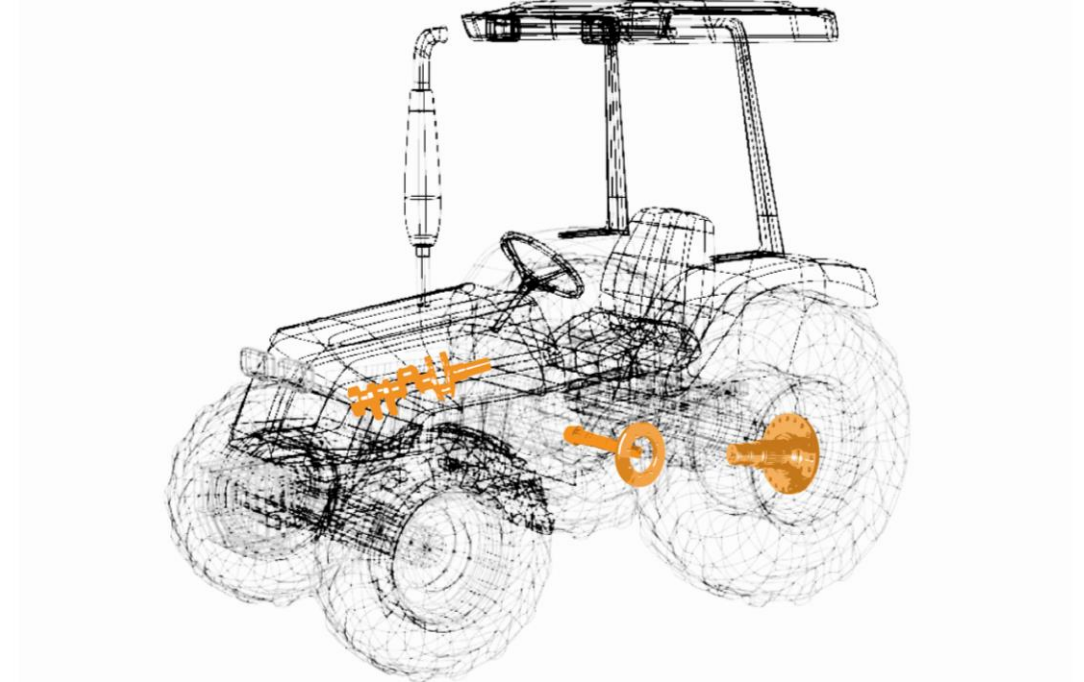
Crown Wheel



Axle Shaft



Pinion



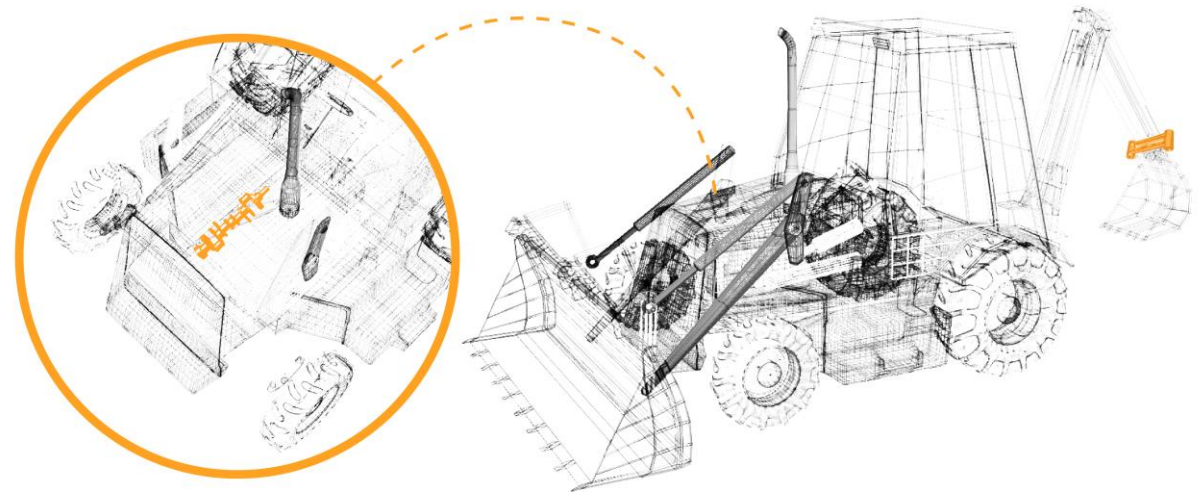
Off Highway



Crankshaft



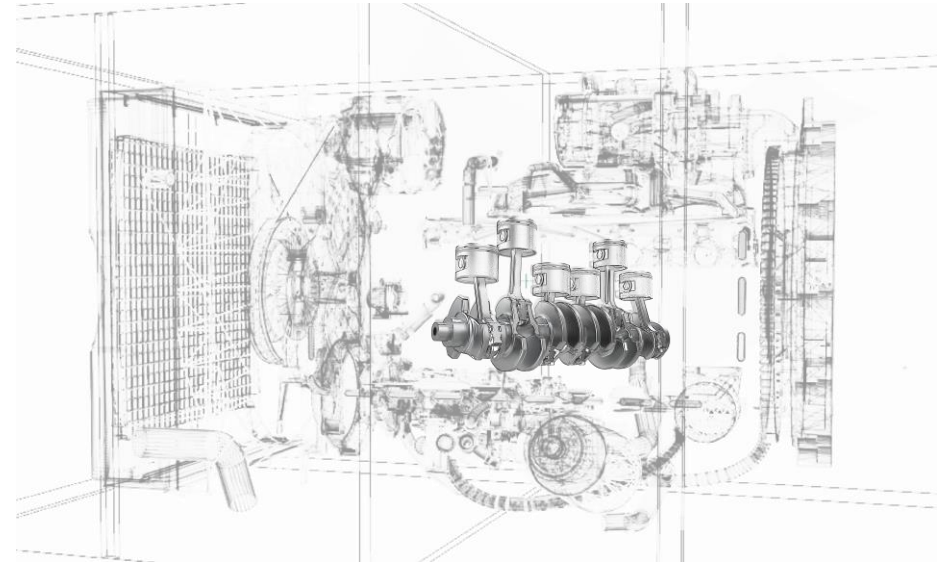
Bucket Link



Power Generation



Crankshaft



Windmill Application



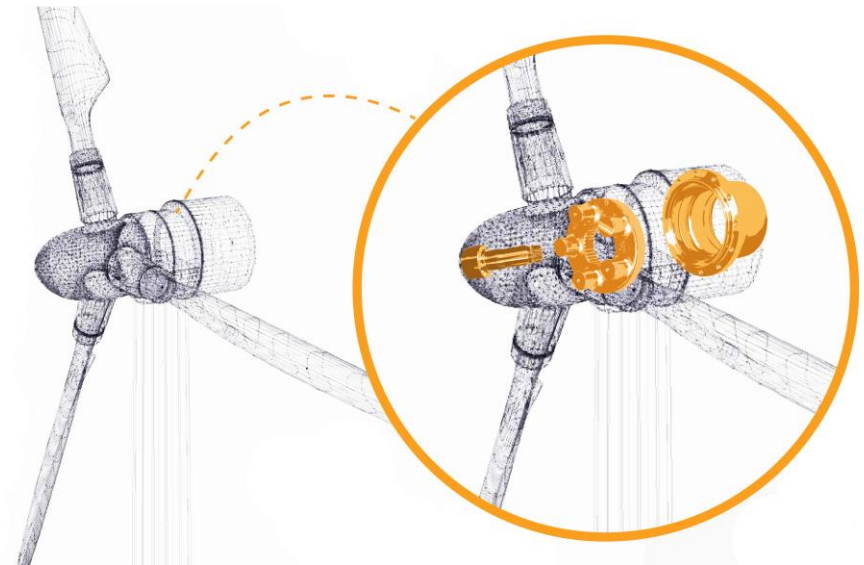
Housing



Output Shaft



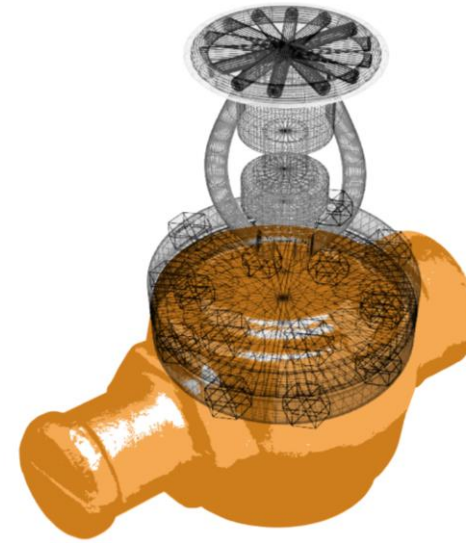
Planet Carrier



Oil and Gas Industry



Valve Bodies



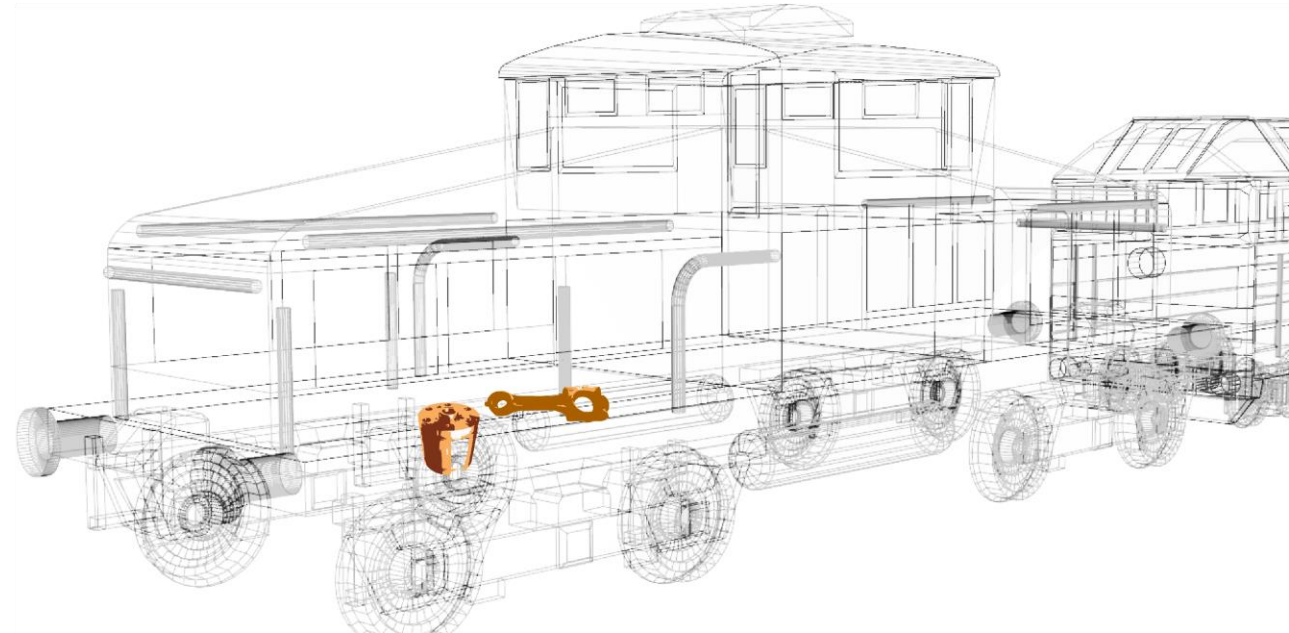
Railway



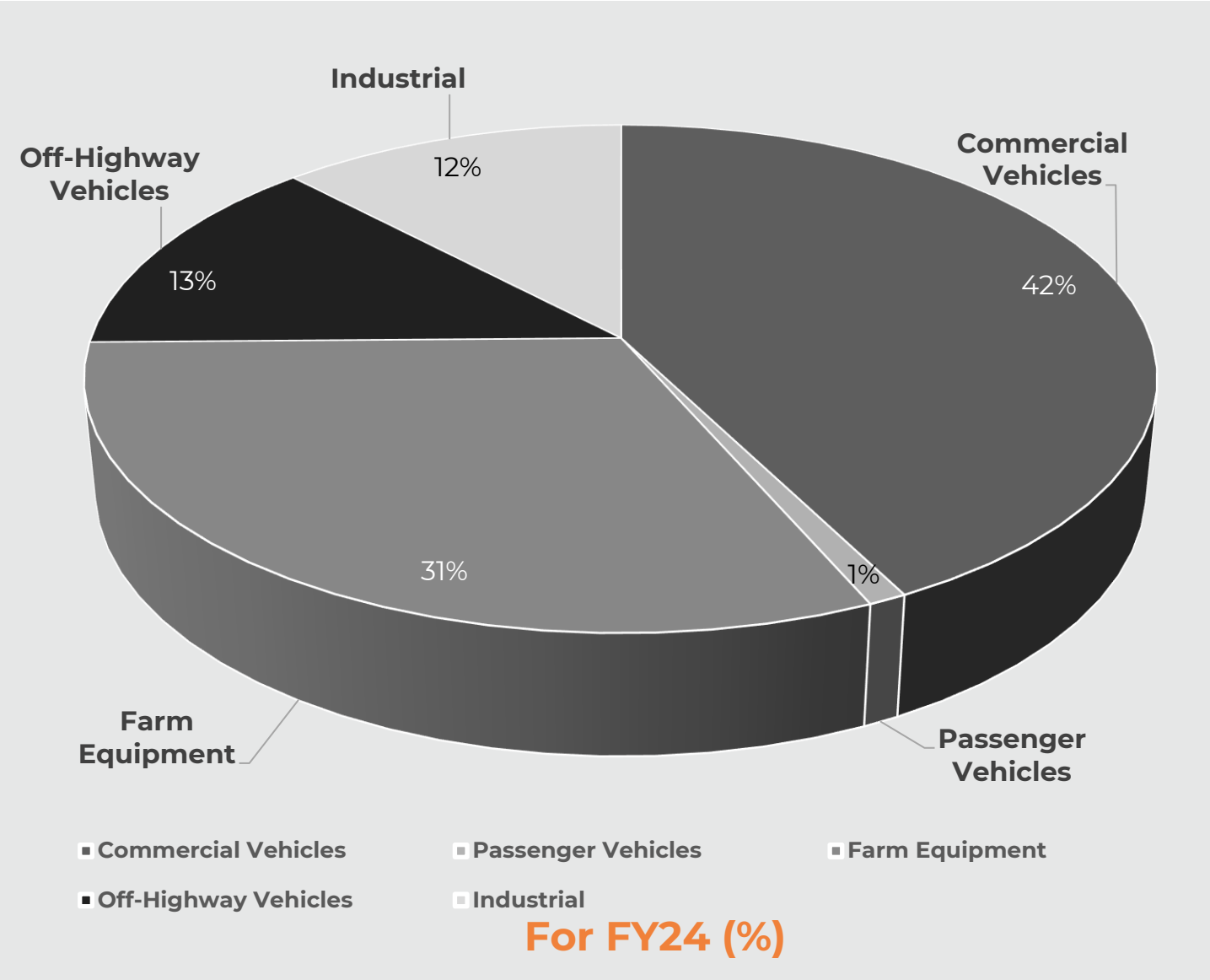
Piston Pin



Connecting Rod



Industry-wise Revenue Split



Note: Commenced supplies of machined components for Passenger Vehicles segment during FY2024. Going forward Passenger Vehicles will contribute up to 8-10% of revenues.

Business Units

Total Forging Capacity*

1,27,000 MT

Total Machining Capacity*

57,000 MT



Kanganwal I (Ludhiana)

Started in 1995

184,765 Sq. ft.



Kanganwal II (Ludhiana)

Started in 2006

439,128 sq. ft.



Dugri (Ludhiana)

Started in 2021

1,771,208 sq. ft.



Strategically located facilities near inland container depot facility in Ludhiana and Dedicated Freight Corridor (DFCs)



Fungible product lines along with **vertically integrated facilities** helps drive diverse product offering, reduced operating costs and improve productivity



Significant investments in state-of-the-art modern infrastructure
Second company in India to have **14,000 tonne press**
Capabilities to forge **heavier and complex parts** for various industries



Facilities

Forging

- **One** 14,000 ton mechanical forging press
- **Three** 8,000 ton mechanical forging presses
- **One** 4,000 ton mechanical forging press
- **One** 2,500 ton forging screw press
- **One** 6,300 ton mechanical forging press
- **One** 6 ton pneumatic hammer
- **Seven** drop hammers ranging from 1.5 ton to 4.5 ton

Additions Planned:

- A new **10,000 ton** forging press (by FY 2025 end)
- A new **3,150 ton** forging screw press (by FY 2025 end)
- A new **4,000 ton** forging press (in FY 2026)

Machining

We have dedicated lines for:

- Crankshafts to manufacture over **1 million** products per annum
- Front Steering Knuckles to manufacture over **2,00,000** products per annum
- Differential Cases to manufacture over **2,00,000** products per annum
- Gear Blank Turning & Machined Hubs to manufacture over **2,00,000** products per annum
- Front Axle Beam & Railway Components
- Suspension Linkage Assembly
- Planetary Carriers, Housings, Pinions to manufacture over **2,40,000** products





Die Design and Manufacturing

- Investment in CAD/CAM packages like **Uni Graphics, Solid Works, Work NC** for efficiency and repeatability in die cuts
- Utilization of advanced 3D simulation software such as **Vera Cad** and **Forge NxT 3.2**
- **Transvalor** to develop parts offline and optimize the forging process
- **Modern testing lab** ensures forgings meet industry standards through thorough analysis

Metallurgical Facility

- **Thermo Fisher Spectrometer** for elemental analysis of raw materials and finished products
- **Advanced image analyser** software and microscope to perform detailed analysis of the microstructure of our products
- **Olympus Digital Microscope** for high-resolution imaging and analysis
- Real-time material composition analysis using **Spectro Analytical Instrument**
- Dedicated facility for **tensile and impact testing**
- Non-Destructive **Ultrasonic Metascope** for detecting internal defects
- **Digital Rockwell and Brinell Hardness Testers, Vickers Hardness Tester** from Mitutoyo
- **Eddy Current Testing Machine** for surface crack detection
- **Ultrasonic and MPI testing** for product quality evaluation
- **Auto Polishing and Hot Mounting** machines for sample preparation



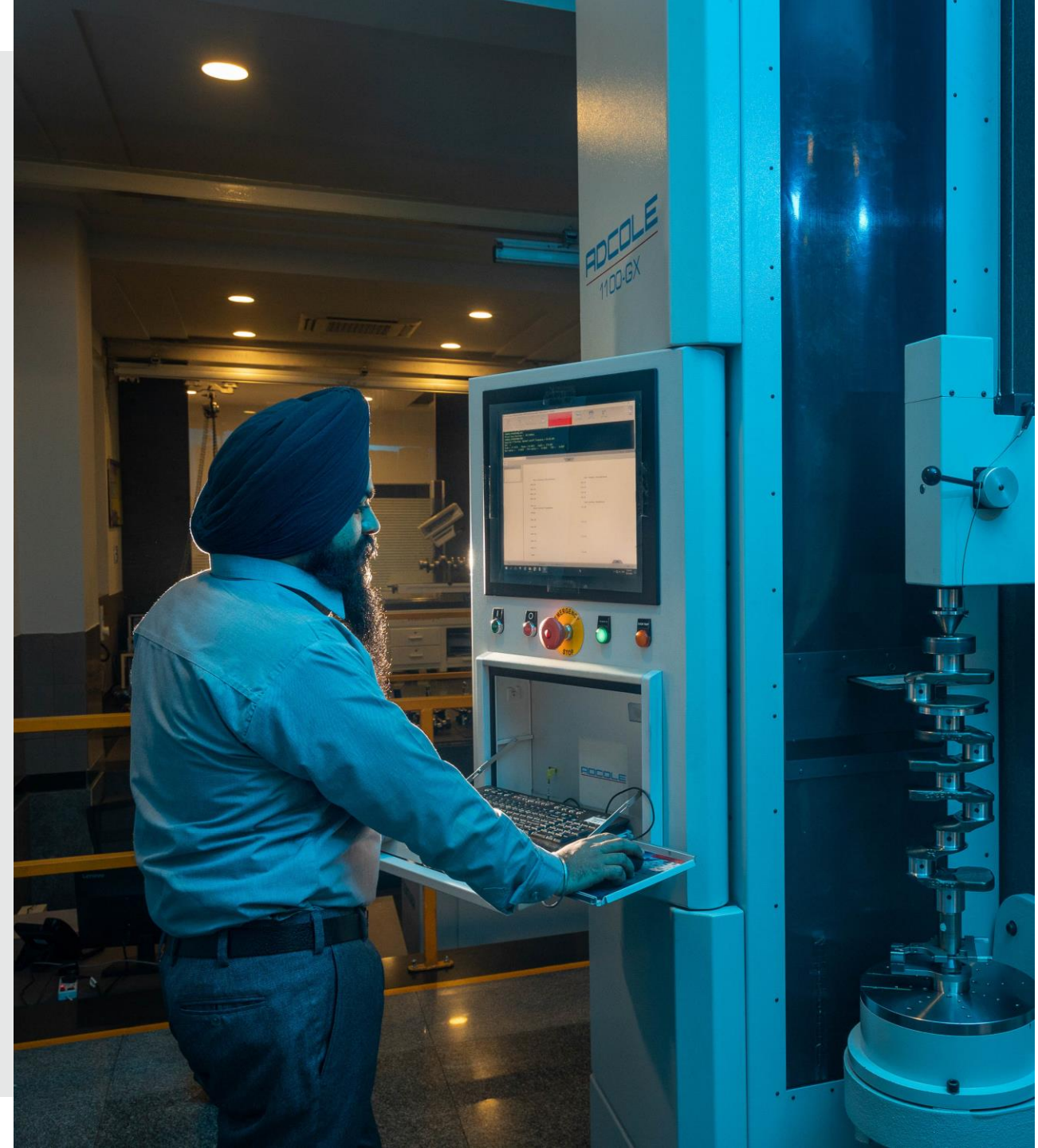


Heat Treatment Facilities

- Continuous **Hardening & Tempering Quench Type Furnace** with 4-ton capacity, temperature controls and **SCADA software**
- **Ultra-Modern Hardening & Tempering Furnace** with a polymer quenching facility and a capacity of 2 tons per hour
- **ISO thermal chamber** for uniform heating and cooling
- **Normalizing furnace** for controlled cooling and uniform material properties
- **Control cooling** for micro alloys to meet the highest quality standards
- **Micro alloy cooling** for high-quality standards
- Committed to ensuring optimal performance and durability of our products

Inspection and Quality Control

- **Coordinate Measuring Machines (CMM)**, including a **Mitutoyo machine** from Japan and a **ZEISS machine**
- **Profile Projectors** from **Mitutoyo** in Japan
- **Contracer cum Roughness Tester**, exclusively for checking roughness on fillet area of crankshaft, from **Mahr** in Germany
- **Surface Roughness Testers** from **Mitutoyo** in Japan
- **Trimos Master** Height Gauge
- **Adcole Cylindrical Coordinate Measuring** for crankshafts
- **Ultrasonic Hardness Tester** for crankshafts
- **Contamination Measurement** Kit from **Millipore**
- **Non-Destructive Testing (NDT) facility** from **QNet** in the UK



Sustainability

- 1

5 MW solar power plants installed at manufacturing facilities
- 2

Implementation of 1,600 kVAR Hybrid APFC Panel for improved power factor
- 3

Halogen lights replaced with LED fixtures for reduced electricity consumption
- 4

Heat Treatment Facility redesigned, transitioning to cleaner LPG
- 5

Oil-fired furnaces on forging lines replaced with Electric Heating Systems
- 6

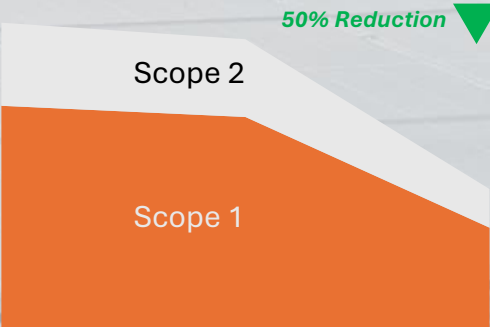
Initiatives for paper recycling to promote waste reduction
- 7

New technology in Shot Blast Machines with dust collection bags to minimize dust pollution
- 8

Installed rain-water collection & recharge system. Recharged 16 lac cum/year of rainwater during 2023 (4x of water withdrawn)

Our Commitments

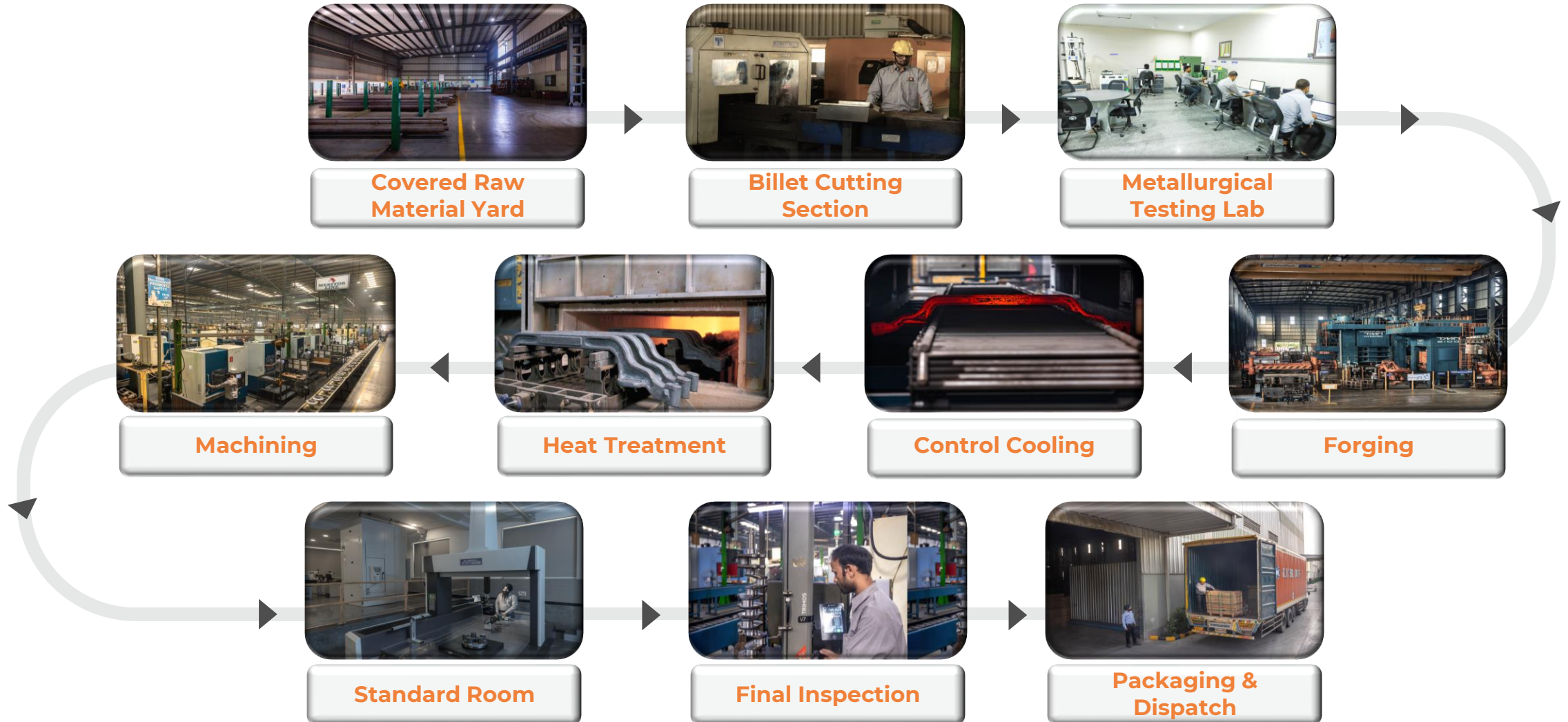
 **50% Reduction in Scope 1 and Scope 2 carbon emissions by 2030**



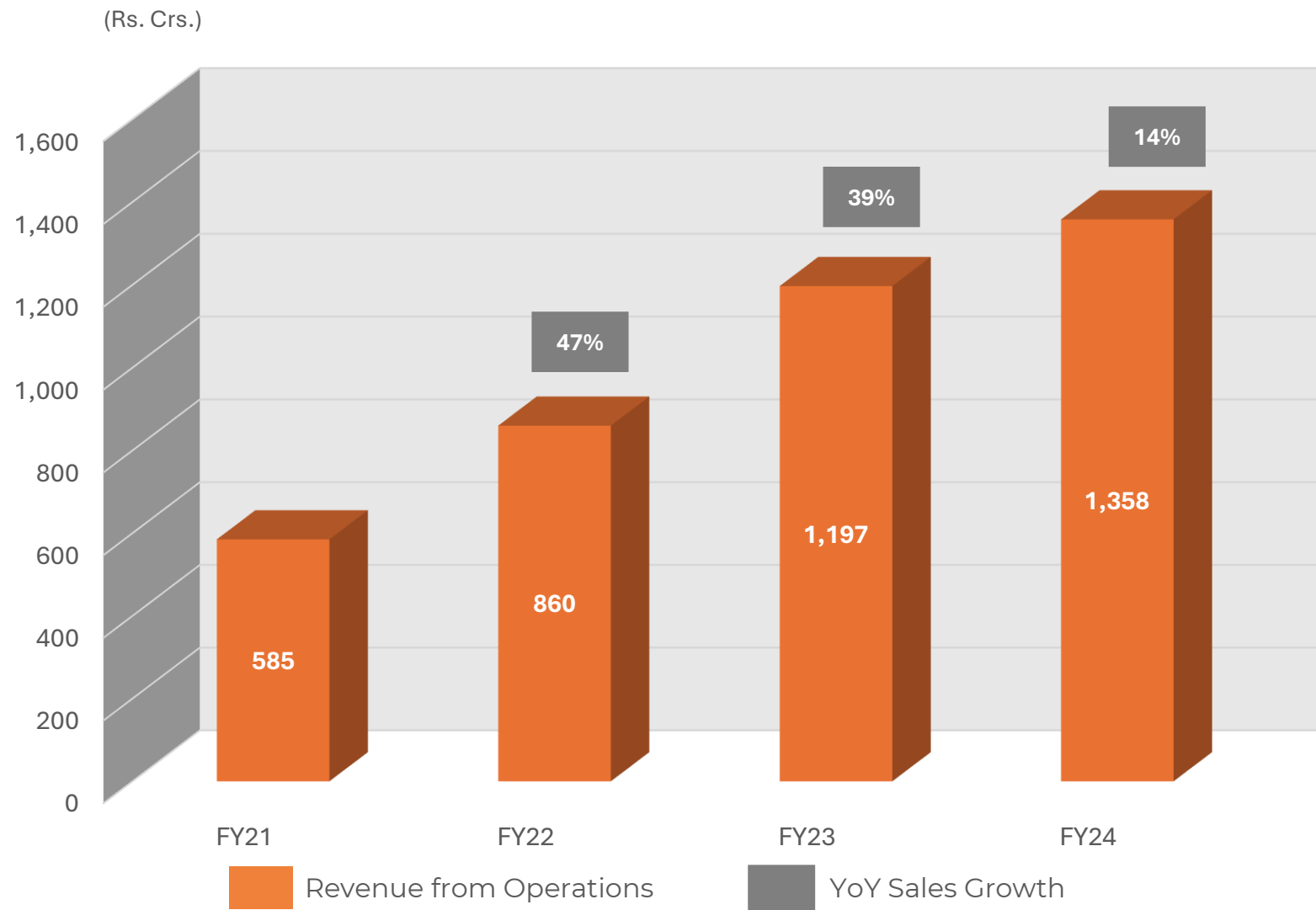
 **100% wastewater recycling by 2025**



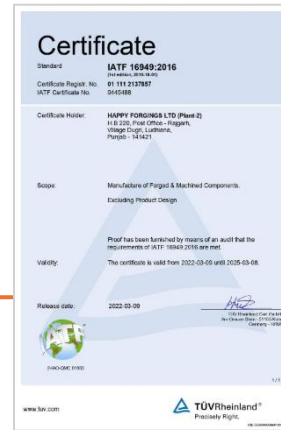
Process Flow Chart



Yearly Revenue Evolution



Certifications



IATF 16949:2016

Quality Management System
Certification for Automotive Suppliers



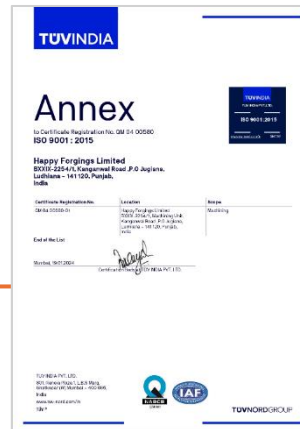
ISO 45001:2018

Occupational Health &
Safety Management System



ISO 9001:2015

Quality Management System



ISO 14001:2015

Environment Management System

Quality Management



Ensuring precision component manufacturing adheres to strict quality standards



Regular inspections by customer representatives to align with requirements and expectations



Thorough inspections at each manufacturing phase to identify and rectify defects



Holding ISO 14001:2015 and IATF 16949:2016 certifications for environmental and quality management

Awards

2024

- 🏆 ***Gold award for “Superlative Performance in Agility” – 2024 Ashok Leyland Supplier Summit***
- 🏆 ***Received Next Level Quality award by Generac – 2023 (Received in 2024)***
- 🏆 ***Received Best Quality Award by Escorts Kubota Limited (2024)***
- 🏆 ***Received Supplier Excellence Award for “Quality Performance” by American Axle & Manufacturing - 2024***
- 🏆 ***Received ‘Best Supplier Award’ at the Global supplier meet 2024 from TAFE***

2023

- 🏆 ***‘Supplier Excellence Award’ for delivery performance at AAM (American Axle Manufacturing) India Supplier Event 2023***
- 🏆 ***‘Award for Outstanding Contribution in Gear Business’ at the Annual Supplier Conference 2023 organised by Eicher Engineering Components, VE Commercial Vehicles***
- 🏆 ***Received the ISO 14001:2015& ISO 45001:2018 accreditation for manufacture of forged and machined components and excluding product design Dugri Facility***
- 🏆 ***Received ‘The Entrepreneur & Leadership Award’ at the JCB Annual Supplier Conference 2023***
- 🏆 ***Received a certificate of appreciation for supplier Agri machinery under ‘Business Excellence Process/ Digitalisation’ by Escorts Kubota Ltd.***

2022

- 🏆 ***Received the IATF 16949:2016 accreditation for manufacture of forged and machined components and excluding product design Dugri Facility***
- 🏆 ***“Excellence Award” by Escorts Kubota Limited***

2021

- 🏆 ***Received the ISO 45001: 2018 & ISO 14001: 2015 accreditation for manufacture of forged and machined components Kanganwal Facility I***
- 🏆 ***Received IATF 16949:2016 accreditation for manufacturing of forged and machined components without product design responsibility and with the extended manufacturing site(s) for Kanganwal Facility I***

Contact Us



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