



**Trusted Supplier**  
for Safety & Critical Auto Components



# About Us

"Striving for the best in Customer Value has been a longstanding tradition at Rane. We create value through global technology alliance, manufacturing excellence and robust R&D capability. This stands acknowledged by our customers across India and the world."

## Our Credentials

- Founded in 1929 for trading in automobile and automotive parts.
- Commenced manufacturing operations in 1959.
- Market leaders in safety critical components serving a variety of industry segments: Passenger Vehicles, Commercial Vehicles, Farm Tractors, Two-wheelers, Three-wheelers, Railways and Stationary Engines.
- Manufacture Steering and Suspension components, Brake components, Engine components, Occupant safety products and light metal casting products.
- Technology collaboration with top global players.
- Serve customers in 30+ countries.
- Winner of 3 Deming Grand Prizes and 5 Deming Prizes committed to Business Excellence





## Technology Collaborations



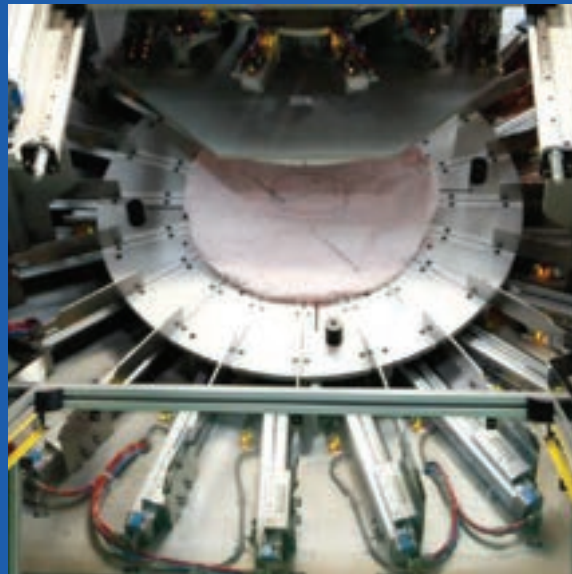
ZF Group, Germany  
Hydraulic Power Steering Systems and  
Occupant Safety Systems



NSK, Japan  
Energy Absorbing Steering Columns  
and Electric Power Steering



Nisshinbo Brake Inc. Japan  
Brake Linings, Disc Pads and  
Clutch Facings



### Modern Manufacturing & Product Development facilities

- 31 best-in-class manufacturing facilities in India.
- Latest manufacturing practices to keep abreast of technological advancements.
- IATF 16949 certification.
- Comprehensive design facilities to simulate varied environmental scenarios.
- State-of-the-art test facility to validate product feature parameters, functional parameters, endurance and environmental integrity.



## Our Value Proposition

- Superior products driven by execution excellence.
- Trusted partner with shorter development lead times.
- Agile manufacturing process and scalable facilities.
- Provide system-level solutions with deep understanding of customer needs.
- With enhanced R&D capabilities, we provide light weighting, improved safety and performance.

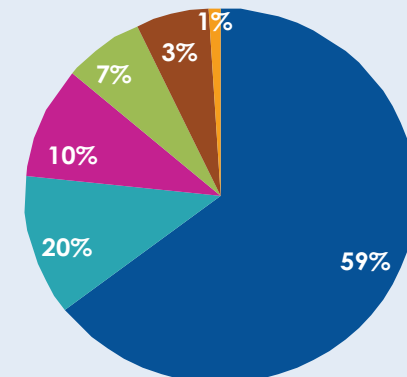
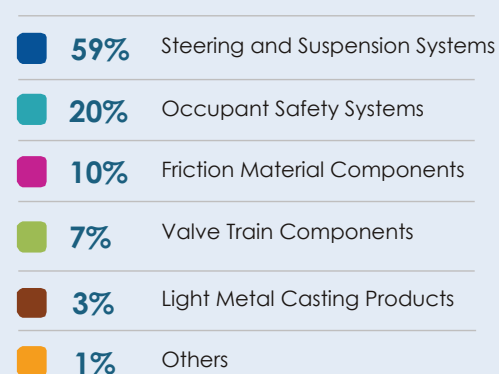
## Our Approach

- Build strong connections with customers to understand their challenges.
- Strategic investments to improve quality and productivity.
- TQM way of working.
- Emphasis on 'First Time Right' policy.
- Achieve the highest standard of ethics and integrity.
- To be socially and environmentally responsible corporate citizen.

## Group Sales (2024-25)

**INR 7,413 Cr (~USD 870 mn)**

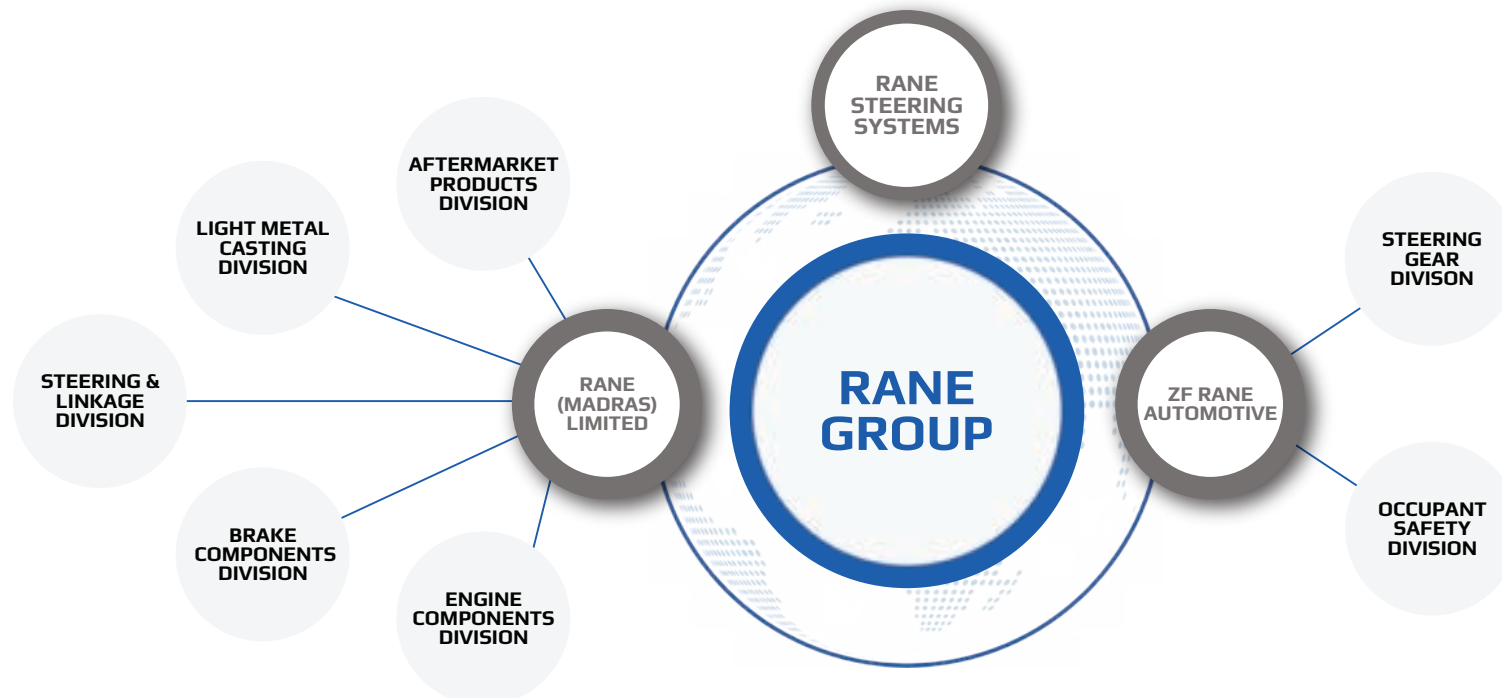
21% from International markets



## Major Customers



## Business Structure



# Steering and Suspension Systems

Steering & Suspension systems comprise major portion of our business. We cater to wide requirements in the steering and suspension systems through the three companies for every segment of automotive industry.

| Company Name                                                                          | Specialization                                                                                                                                                                    | Major products                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rane (Madras) Limited - Steering &amp; Linkages Division (RML - SLD)</b>           | Mechanical Steering Systems                                                                                                                                                       | <ul style="list-style-type: none"> <li>• Manual Steering Gears</li> <li>• Mechanical Rack &amp; Pinion Gears</li> <li>• Steering Linkages</li> <li>• Suspension Components</li> <li>• Hydraulic Products</li> </ul>                             |
| <b>ZF Rane Automotive India Private Limited - Steering Gear Division (ZRAI - SGD)</b> | <ul style="list-style-type: none"> <li>• Hydraulic Power Steering System</li> <li>• Electro-Hydraulic Power Steering System</li> <li>• Electric Power Steering Systems</li> </ul> | <ul style="list-style-type: none"> <li>• Hydraulic Rack &amp; Pinion Gears</li> <li>• Power Steering Gears</li> <li>• Power Steering Pumps</li> <li>• Electro hydraulic Steering Pumps</li> <li>• Rack drive Electric Power Steering</li> </ul> |
| <b>Rane Steering Systems Private Limited (RSSL)</b>                                   | <ul style="list-style-type: none"> <li>• Mechanical Steering Column</li> <li>• Column Electric Power Steering</li> </ul>                                                          | <ul style="list-style-type: none"> <li>• Manual Steering Columns</li> <li>• Electric Power Steering Systems</li> <li>• Column Drive Electric Power Steering</li> </ul>                                                                          |

## Rane (Madras) Limited - Steering & Linkages Division(RML-SLD)

- Market leader in steering gear and steering linkage products in India. We have started catering to hydraulic products such as HSU and steering cylinders.
- Best in class manufacturing facilities at Chennai, Mysore, Puducherry, Pant Nagar and Mexico
- End to end testing facilities in house to validate the products' functional, endurance and environmental parameters.



## ZF Rane Automotive India Private Limited - Steering Gear Division (ZRAI - SGD)

- Joint venture partnership with ZF Group, Germany.
- Manufacturing facilities across four locations in Trichy (1), Chennai (2), Pantnagar (1)
- Design, Development and Application capability for complete Hydraulic Power Steering system for all vehicles.
- Advanced design tools for 3D modeling, simulation, FE analysis and CFD.
- State-of-the-art testing facilities for strength, environment, noise, fatigue and durability tests to meet global standards.



## Rane Steering Systems Private Limited (RSSL)

- State-of-art R&D test lab for validation of steering columns.
- Manufacturing facilities across four locations in Chennai, Bawal, Pantnagar & Ahmedabad.
- Design & Development capability for solid & energy absorbing columns. Development and application capability for EPS.
- Driver comfort, Passenger safety, Ergonomics and NVH requirements are kept as targets while designing steering system.
- Comprehensive test laboratory for extensive research about column performance characteristic validation, strength and durability validation and NVH requirements.
- Design team includes CAD & CAM application experts and software analysts.





# Brake Components

## Rane (Madras) Limited - Brake Components Division

Market leader for friction material products in India. The Business has technology collaboration with Nisshinbo Brakes Inc. The company has product applications for all segments of automotive industry.

- Products based on both Low steel & NAO material technology for various applications.
- Major features of our products are best performance, NHV free, High life and ECO friendly.
- Library of widely tested and approved formulations to suit diverse market/ customer requirements.
- State-of-the-art R&D center equipped with full scale inertia dynamometer, static mu-measurement and NVH study rig.
- The Business manufacturing plants located in Chennai, Hyderabad, Trichy and Puducherry





# Engine Components

## Rane (Madras) Limited - Engine Components Division

The Engine Components Business established in 1959, is the market leader in India for engine valves and valve guides.

- 5 manufacturing locations in Chennai (1), Hyderabad (2), Trichy (1) & Tumkur (1) - catering to North America, Europe and Indian Markets.
- CAD – CATIA, CREO, Autodesk Inventor / AutoCAD & CAE – ANSYS Mechanical & Fatigue used for new product development.
- Large Engine Valves for Power Generation, Marine & Special Applications.
- Comprehensive test laboratory for Material Characterisation, Simulated Test Rigs & Engine Dynamometer Test Facility.



# Occupant Safety Systems

## ZF Rane Automotive India Private Limited - Occupant Safety Division (ZRAI - OSD)

- Manufacturing Seat Belts since 1997.
- Manufacturing facilities across 6 locations - Chennai(2), Trichy(2), Pune(1) & Gurgaon(1).
- Air bags manufacturing commenced in 2013.
- Product range includes different types of
  - Steering wheels
  - Airbags - Driver Airbag, Passenger Airbag, Side Airbag and Curtain Airbags.
  - Seatbelt Technologies - Retractor and Anchor pretensioners, Emergency Locking Retractor (ELR), Load Limiters, Child Restraint Seat Belt.
- Extensive testing facilities for seat belts include Extraction and Retraction Force Testing Machine, Retractor Durability Tester, Hot & Cold Chamber, Salt spray chamber, ELR functional tester.
- Equipped with Test lab to carry out testing as per National (IS/AIS), International (ECE/EEC/GS/VSCC), customer specifications and COP testing.



# Light Metal Casting Products

## Rane (Madras) Limited - Light Metal Casting Division

- Design and manufacture complex high precision light metal casting products such as Steering Pinion Housing, Pump Housing, Pinion and Outboard Housing.
- 2 well equipped manufacturing plants in Hyderabad.
- Die cast machines ranging from 530 to 1200 Tons (Buhler, UBE).
- Fully automated die casting process with partial squeeze pin technique and vacuum assisted casting process.
- Fully automated and computer controlled vertical and horizontal machining centers.
- Lean manufacturing with single piece flow and packing at the end of line.



# Aftermarket Products

## Rane (Madras) Limited - Aftermarket Product Division

- Caters to the aftermarket segment through five product groups – Steering & Suspension Products, Brake & Friction Products, Engine & Cooling System Components, Transmission Products and Fluids.
- Leveraging our expertise in a wide range of sectors including - Passenger Vehicles, Commercial Vehicles, Farm Tractors, Two-wheelers and Railway and Stationary Engine.
- Encompasses a wide range of OEM-standard spare parts, ensuring quality, safety and durability.
- Strong distribution presence with a growing network of dealers and channel partners across India.
- Expanding global footprint with presence in Sri Lanka, Nepal, Middle East, ASEAN and African markets.
- Aftermarket Product Business spans 8 supply locations, connecting with over 400 direct dealers, 800+ distributor branches and 2,000+ retailers, ensuring seamless availability and reach across markets.







## Business Development

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### Rane Corporate Centre

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