

UNIMO EXPORTS PRIVATE LIMITED

-Union Company Group

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UNION COMPANY GROUP - Profile

- Union Company Group is a 95 year old group and one of the pioneers in the automobile industry in India
- Standard Motors , a Union Company Group company was one of the three companies in India to make passenger cars and LCV's
 - ✓ Standard Vanguard
 - ✓ Standard Herald
 - ✓ Standard 2000

UNIMO Exports - Profile

- The group diversified into manufacturing and trading of various automotive components
- UNIMO EXPORTS is an international business arm of the group
- The company exports Automotive products, Engineering components and executes Engineering Design services
- The company exports its products to markets worldwide including Europe, USA, Middle-East, Africa, Australia and South-East Asia

Products Portfolio

Steering & Suspension Products

- Shock absorbers
- Parabolic & Leaf springs
- Coil Springs
- Steering Gears
- Ball Joints, Tie Rods & Control Arms
- Drag Links & Stabilizer links
- Hydraulic cylinders

Engine Products

- Pistons & Piston Rings
- Cylinder Liners
- Engine Valves, Guides & Tappets
- Vibration Dampers
- Engine Mounts
- Crankshafts

Other Automotive Products

- Brake Systems
- Brake Lining & Brake Pads
- Propeller shafts
- Fuel / Water / Oil pumps
- Carburetors
- Horns

Automotive Products



Shock Absorbers



Range includes shock absorbers for

- Heavy Duty Trucks & Trailers
- Land Rovers & other 4x4
- Off-road vehicles
- Cabin shocks
- 2 & 3 Wheelers

Capability to supply more than 350 part-numbers for the European Heavy Duty applications

Endurance tested to last more than 1.8 million cycles (apprx Field life of 5 years)

Parabolic & Leaf Springs



More than 10,000 part-numbers (Spring designs) of leaf and parabolic springs

Range includes

- Heavy and Light commercial vehicles
- Trailers
- Passenger cars
- Stationary vehicles
- Mining Trucks
- Multi-utility vehicles and Oil tankers



Coil Springs

Capability to manufacture

- More than 4000 varieties of springs
- 0.15mm wire dia to 26mm wire dia



Types includes

- Suspension Springs
- Engine Valve Springs
- Fuel Injector Springs
- Wire Form Springs
- Tension & Torsion Springs
- Spiral Springs
- Diaphragm Springs

Steering & Suspension parts



Supply the following components

- Steering Gears
- Ball Joints
- Tie Rods
- Control Arms
- Drag Links
- Stabilizer Links
- Hydraulic Cylinders

Range includes

- Passenger Cars
- Commercial Vehicles
- Farm Vehicles

Pistons



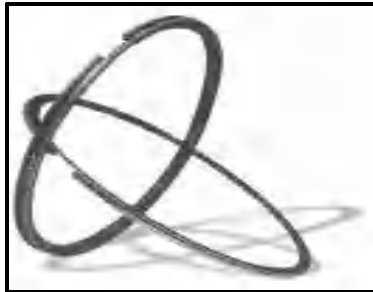
Engineering features includes

1. Aluminium Alloy Pistons – 35 to 150 dia
 - Cast and forged
 - Single and Dual Alfin
 - Gallery cooled
2. Two Piece Pistons
 - For special applications up to 250mm

Range includes shock absorbers for

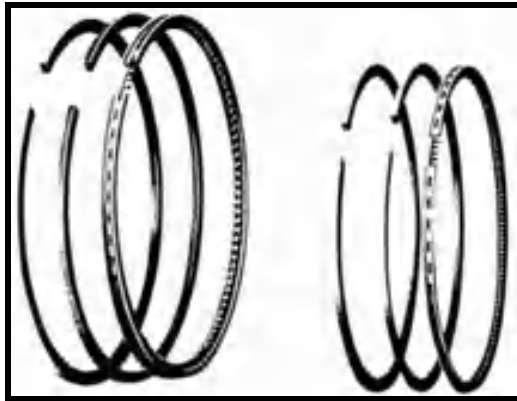
- Light & Heavy Commercial Vehicles
- Multi-Utility Vehicles
- Passenger Cars
- 2 & 3 Wheelers
- Tractors
- Industrial & Air Compressors

Piston Rings



Engineering features includes

- Cast iron and Steel
- Chrome plated
- Moly Sprayed
- Chrome moly coated
- Moly Chrome Ceramic (MCC) coated *
- (Patented)
- Gas Nitrided and PVD coated



Range includes

- Light & Heavy Commercial Vehicles
- Multi-Utility Vehicles
- Passenger Cars
- 2 & 3 Wheelers
- Tractors
- Industrial & Air Compressors

Cylinder Liners



Engineering features includes

- Induction hardened & tempered by marquenching process
- Manganese phosphate coated
- Chrome plated
- Plateau honed of inner surface

Range includes

- Light, Medium & Heavy Duty Engine Liners

Engine Valves



Engineering features includes

- Construction
 - ✓ Mono & Bimetal Valve

- Seat Feature
 - ✓ Induction Harden Seat , Hard face Seat

- End Feature
 - ✓ Stellite Tip , Induction Harden , Button Welded

- Materials
 - ✓ Martensitic Alloys , Austenitic Alloys , Super Alloys

- Surface Treatment
 - ✓ Chrome Plated , Nitride

- Manufacturing Range
 - ✓ Head Diameter – 18 ~ 65 mm
 - ✓ Stem Diameter – 4.5~ 15 mm
 - ✓ Overall Length – 65 ~ 190 mm

Valve Guides



Engineering features includes

- Raw Material
 - ✓ Cast Iron

- Dimensional Range
 - ✓ Bore dia 4.0 ~ 14.0 mm
 - ✓ Outer dia 10.0 ~ 30.0 mm
 - ✓ Overall length 26~140 mm

- Construction
 - ✓ Semi-finished / Finished / Super finished bore
 - ✓ Threaded / Plain Bore
 - ✓ Shouldered Guide

Tappets



Engineering features includes

- Raw Material
 - ✓ Chilled Cast Iron , Cold Forging

- Dimensional Range
 - ✓ Outer dia 14.0 ~ 35.0 mm
 - ✓ Overall length 45~100 mm
 - ✓ Wall thickness 1.5 mm

- Surface Finish:
 - ✓ Nitrided / Phospated

Dampers, Isolators & Pulleys



Supply the following components

- Isolators – Decoupling Pulleys
- Dampolators
- Viscous Dampers
- Harmonic Detuners
- Vibration Dampers
- Flow Formed Pulleys

Range includes

- Passenger Cars
- LCV
- Tractors
- Generators
- Railways

Crankshafts

- Single throw & Multi-cylinder shafts upto 250 Kgs
- 3 / 4 / 6 cylinder engines
- Capacity more than 1,40,000 Nos.



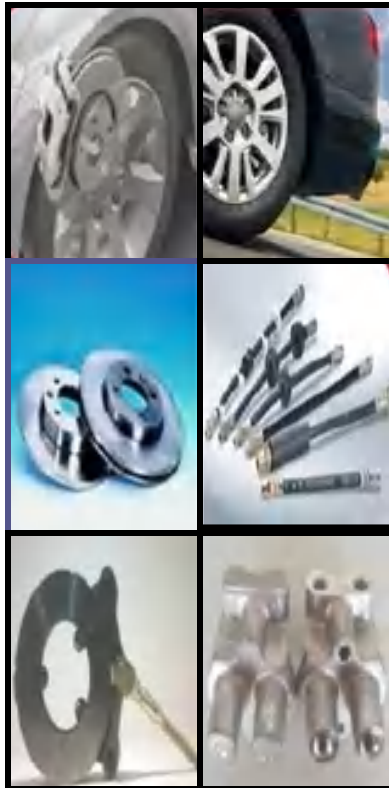
Range includes

- LCV & HCV
- Agriculture
- Construction
- Defense
- Railways

Suitable for Engines

- John Deere
- KHD/Deutz
- Mercedes Benz
- Perkins

Brake Systems



Types includes

Disc

- Colette, ZOH/e design
- Dia 45 to 60 mm

Drum

- EU / JP / Value Line Designs
- Dia 155 to 320 mm

Range includes

- Passenger Cars
- LCV & HCV
- Agriculture
- 3 Wheelers

Brake Parts - Friction materials



Supply the following components

- Brake Pads
- Brake Linings
- Composite Brake Blocks
- Sintered & Organic Brake Pads

Range includes

- Passenger Cars
- HCV
- Railways
- Aerospace

Propeller Shafts & Components

Supply the following components

- Propeller shaft Assemblies
- Components for Propeller shafts
- Steering Column Assemblies
- Intermediate Drive Shaft Assemblies
- Pivot Pins
- Hydraulic & Front Axle components for tractors



Range includes products for

- Commercial vehicles
- Passenger cars
- Off-Highway
- Agricultural

Fuel & Oil Pumps



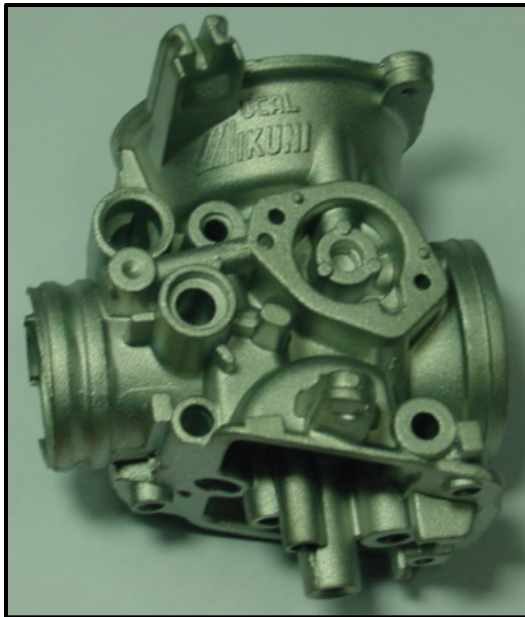
Supply to customers in the following countries

- Europe
- USA
- Africa
- Australia
- South America

Range includes products for

- Passenger cars
- Industrial

Carburettors



Supply to after-market customers
in the following countries

- Africa
- Middle East
- Sri Lanka
- South America

Range includes carburettors for

- 3 Wheelers
- 2 Wheelers
- Stationery Engines

Horns



Types & Features

- 12 Volt & 24Volt types
- Both AC &DC
- ARAI homologated & E-marked

Range includes

- 2 & 3 Wheelers
- Passenger cars
- Heavy vehicles

THANK YOU

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