



Precision, Quality, Reliability

**KITSETS - CYLINDER LINERS & PISTON ASSYS.
ENGINE VALVES
ENGINE BEARINGS**



Engine Parts - Automobiles, Tractors, trucks etc...





▲ Heavy Duty CNC - Liners



Camless
CNC - Pistons

*Top Quality
Machines*

QC Instruments ▼



Duplex Grinder - Rings ▼



Reliable Engineering House is a family owned professionally managed conglomerate engaged in manufacturing of Engine parts for Automobiles, Tractors, generators, Industrial, Marine and Stationery Diesel Engines. Starting with a modest production since 1962, the company has now established itself as a leading manufacture for domestic as well as for the overseas market. Today our products find markets in many countries of Europe, Middle east, Asia and America.

The company has gained a wealth of experience covering the manufacture of Engine Parts. It has always kept pace with the rapid development of modern high technology production techniques and in turn evolved a basic understanding of the Client's needs.

The policy of manufacturing quality products has contributed to our phenomenal growth. We continue to maintain and continuously upgrade the quality of our products so as to achieve maximum customer satisfaction and future growth. Our success has hinged upon our ability to consistently deliver standard quality product and timely execution of delivery schedules.

Our corporate philosophy can be summed up as Customer Satisfaction, Reliability, Innovation, Quality and Service. We maintain a policy of taking commitment seriously and honoring them. We have a policy of not compromising on quality under any circumstances and are committed to continuously bring innovative products and services into the markets.

- ENGINE BEARING & BUSHES
- CYLINDER LINERS-WET TYPE
- CYLINDER SLEEVES-DRY TYPE
- CYLINDER BLOCKS / BARRELS
- PISTONS
- PISTON RINGS
- PISTON PINS (GUDGEON PINS)
- ENGINE VALVES



ISO 9001:2015 CERTIFIED COMPANY



ENGINE BEARINGS & BUSHES

- Connecting Rod Bearings, Main Bearings Center / Intermediate Bearings, Thrust Washers, Bushes for various applications.
- Bi-metal and tri-metal Engine Bearings, Bushes and Thrust Washers made from steel back Aluminum Tin, Copper Lead or white metal Tin based alloys.
- Thin walled and Thick Walled Bearings
- Bronze Bushes and Washers

CYLINDER LINER-WET TYPE

- Available: White / Natural Finish / Black Phosphated / Nitrated / Chrome Plated Bore / Outside Chrome or Zinc Plated / Tuffride processed.
- Made from Graded Cast Iron Material - N10, N20, N30 or N40, Boron Iron, SG Iron
- Centrifugal Casted, CNC Machined, Bore Plateau Honed.
- Inside Bore is finished on Hydraulic Vertical Honing Double Expansion Machine to achieve accurate Ra values.



CYLINDER SLEEVES - DRY TYPE

- Available: White / Natural Finish / Black Phosphated / Nitrated / Chrome Plated Bore
- Made from Graded Cast Iron Material - N10, N20. Ductile Iron (Racer)
- Centrifugal Casted, CNC Machined.
- Inside Bore is Semi-finished or Pre/Fully Finished on Hydraulic Vertical, Honing Double Expansion Machine to achieve accurate Ra values.



CYLINDER BLOCKS / BARRELS

- Available: Finned type or Non-finished cast body type. Outside is Natural cast finish / Powder Paint Coated / Black Phosphated finish.
- Made from Graded Cast Iron, Shell Moulded Gravity Casted, CNC machined.
- Inside bore is Finished on Hydraulic Vertical Honing Double Expansion Machine to achieve Ra values.

PISTONS / PISTON RINGS / PISTON PINS (GUDGEON PINS)

- **Pistons:** Gravity Die Cast. Casting on Table Top Dies with Runner and Riser & Tilt arrangement.
- Precision Machined on SPM & CNC, including Oval Turning on Camless CNC Turning center.
- Materials Lm13, Hyper Alloy & also Special Alloy with 6% Copper.
- **Pistons pin / Gudgeon pin:** Made from Graded Alloy Steel & Surface is Case Hardened. Grinded Ra Value 0.2 - 0.8



PISTON RINGS

- Available in SG Iron, SG Moly, Alloyed Cast Iron, High Strength Steel
- Available Coating in Chrome, Moly, Nitriding, Titanium (Golden)
- Oil Rings available with Springs, 3 Piece, & DVM Steel Type
- Barrel Honed for Light-Tight Seal
- Chrome Plating of 100 - 130 microns
- SS Differential Spring with Optimal Tension, Reducing Oil Consumption



ENGINE VALVES

- **Inlet Valve** is usually made of a Magnetic material. **Exhaust Valve** can be of Magnetic or Non-magnetic material. Some Exhaust Valves are made Bi-Metallic.
- The seat area of **Inlet Valve** is often Hardened to enhance Durability & Resistance to wear, by Induction Hardening process.
- Seat Hard Facing available Stellite deposition. Applied by fusion welding or PTA methods.
- Surface treatment - Chrome Plated Stem, Nitriding or Phosphating.



Quality Promise

50+ YEARS OF EXPERIENCE



SUPPLYING IN OVER 40 COUNTRIES

CERTIFIED ISO 9001:2015



100% TESTING FOR ZERO REJECTION



We Also Offer Other Engine Parts



Our Product Packing



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