

**FAB VISION MANUFACTURES & EXPORTERS
WE ARE COMMITTED TO CUSTOMER SATISFACTION**

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COMPANY PROFILE ABOUT US

FAB VISION Engine Parts, established since 2015 has been a predominant brand in the international Aftermarket.

We are one of the leading engine parts manufacturers & exporters, serving automotive OEMs and aftermarket customers around the world with decades of excellence in customer service. FAB VISION manufactures world-class Cylinder Liners, Pistons and Engine Valves. In addition, we also have a machining division which helps us cater to a wider range of products. These products are sourced in semi-finished stages locally and after undergoing thorough quality checks, inspection & value adding processes delivered to our clients across the world.



INFRASTRUCTURE:

- One of the Largest Manufacturers of Engine Spare parts in India
- Employees: 65 Line: 45 | Staff: 15 | R&D: 5
- Production Capacities: Foundry
- Capacity: 150 Tons/Month
- Machine Shop: 10,000 - 20,000 Pcs/Month

Area:

Offices: 1,000 sqft. | Foundry: 3,000 sqft. | Machine Shop: 5,000 sqft. | Warehouse: 10,000 sqft.

Locations: Corporate Office & Ware house: RAJKOT (GUJRAT) INDIA



MISSION



VISION

MISSION : To produce top quality engine parts at affordable prices.

VISION : To become your one stop source for all your engine parts need.

QUALITY POLICY

Our actions to ensure quality are guided by the company's Quality Policy which describes our commitment to Build trust by offering products and services that match customer expectation and preference.

Comply with all internal and external regulatory and quality requirements.

Gain a zero-defect, no-waste attitude by everyone in our company.

Company-wide quality control towards the feedback from customers.



CYLINDER LINER & PISTON & PISTON RING

CYLINDER LINER

We offer Cylinder Liners, Sleeves and Air Cooled Blocks according to OE specifications, upgraded specifications or as per client's requirements to suite their market needs. The extensive design and material expertise of A fab vision Engineering guarantees high-performance and cost-optimized products which withstand the toughest operating conditions. inspection & value adding processes delivered to our clients across the world.



PISTON

Fab Vision Pistons are manufactured using high strength alloys and employing advanced manufacturing techniques to provide flawless quality which is entirely significant to boost the performance of an engine. The high conductivity of these materials promotes cool running and optimum performance and the light but robust design ensures efficient operation over extended periods of time. Resistance to wear ring grooves, skirts and gudgeon pin hole is greatly increased to ensure dimensional stability in service. All alloy piston castings are correctly heat treated and aged for maximum strength and durability.

PISTON RING

Our piston rings range consists of a wide variety of sizes and configurations. We supply piston rings according to OE definitions or customized/upgraded specifications to suite customer's needs. Fab vision offers piston rings for nearly any application from automotive to agriculture, industrial, small engine, as well as marine and high-performance engine applications.



ENGINE VALVE & VALVE INSERT & VALVE GUIDE

ENGINE VALVE

FAB VISION has pioneered the design, development and manufacturing of cost-effective, high-performance Engine Valves for various applications. We have the capacity and capability to develop and supply high-performance Engine Valves as per your requirements in accordance to the chemical and metallurgical specifications specified by you.

Intake and exhaust valves used in internal combustion engine are made from different materials to operate under different conditions. Inlet Engine Valves are made from Chrome Silicon Alloy Steel and Exhaust Engine Valves are made from Chrome Nickel Silicon Alloy Steel (to operate under high temperature and high stress conditions). Engine Valves are also supplied with Liquid Nitriding Process or Hard Chrome Plating which increases the surface hardening of the stem. With every valve design we strive to maximize durability through higher fatigue resistance and tensile strength.



VALVE INSERT

Our high chrome alloy and Nickel base valve seat inserts are best suited for use in light alloy and cast-iron cylinder heads as they offer good wear resistance at high temperature and high corrosive resistance.

VALVE GUIDE

VALVE GUIDES ARE MADE FROM TWO KINDS OF MATERIALS

- GREY CAST IRON
- CUZNAI-ALLOY



GREY CAST IRON of perlitic structure with high phosphorous content. The perlitic structure and the reticular phosphide distribution along with the good graphite formation give high wear resistance and improved running properties in poor lubrication condition.

CuZnAl- alloy guides have excellent wear resistance and low coefficient of friction. Used for highest stressed guides. All our Cast Iron Guides are manufactured having minimum hardness of 95 HRB (210 BHN).



BEARING & BUSHES

BEARINGS

In consideration of the demanding needs for a bearing surface. Engine bearings are available in four materials.

- (Babbitt) White Metal Tin
- (Babbitt) Lead Base Alloy
- Aluminum Base Alloy
- Copper Lead Alloy



BUSHES

BUSHES ARE MADE BY US OF 4 KINDS.

BI-METAL BUSHES THE MOST POPULAR BEING STEEL BACK WITH COPPER LEAD ALLOY LINING. THIS IS SPECIALLY USED FOR HIGH LOADS.

HARD BRONZE HAVING 90% COPPER AND 10% TIN ARE USED FOR SEVERAL WORKING CONDITIONS AND HEAVY PRESSURES SPECIALLY FOR APPLICATIONS LIKE CONNECTING ROD BUSHES AND VALVE GUIDES.

Red brass bushes having 85% copper, 5% Tin, 5% Lead and 5% Zinc are generally used for water pump impellers and slow speed engines.

Aluminum bushes Aluminum bushes are with properties such as high load carrying capacity, fatigue, strength and thermal conductivity, in addition to excellent corrosion resistance and low cost.



CAM SHAFT

FAB VISION offers high quality and highly precise Camshafts, which are manufactured using highly sophisticated CNC machines.

Our premium automotive camshafts are most sought after for its impressive performance and its strength.



FAB VISION is one of the major suppliers of Camshafts in India and produces Camshafts suitable for single cylinder diesel engine to 16 cylinder diesel engines.



FAB VISION Camshafts are made from different materials such as Malleable Iron, S.G. Iron, Chrome Steel etc., and are made to undergo processes like Forging, Chilled Casting, Metal Bar.

GASKETS, O-RINGS AND SEALING SETS

O-rings, gaskets and sealing sets from FAB VISION Parts are suitable for marine diesel engines. O-rings are placed between two parts to prevent passing fluids and gasses. It is an efficient sealing element for static and dynamic applications. In the maritime industry O-rings, also named gaskets or sealings, are the most commonly used seals in the world because they are effective, economical and easy to use and replace when they are worn.

As the O-ring is a simple but effective sealing concept there are many factors to take into account when selecting the right seal for the specific application.

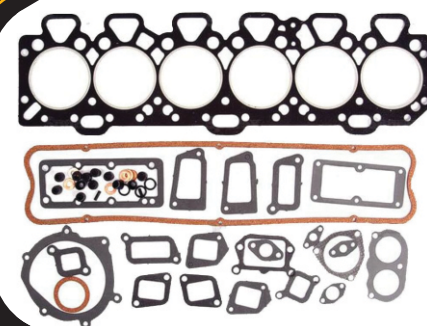
FAB VISION Parts delivers according many different sizes and tolerances and produced in different raw materials.

Often seen materials are: NBR (Nitrile), EPDM, VMQ (Silicone) and FKM (Viton)

The selection of the right material is crucial for the appropriate application of an O-ring. FAB VISION Parts has all basic materials available with more than 100 rubber compounds. Our specialist can advise you with making the right choice.

FAB VISION Parts intends to supply according the makers specification or better. In some cases a material is upgraded due to life time.

In that case we can offer the standard execution O-ring or a better alternative made from a material that has better characteristics



O Rings



~ VISION ENGINEERS ~

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