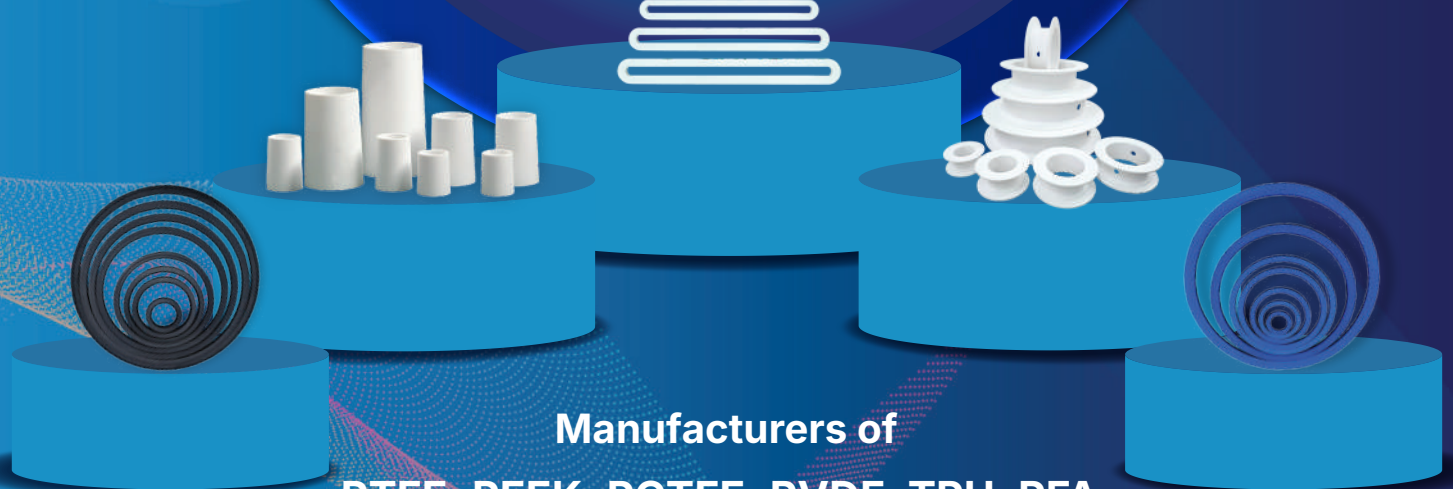




Fluoro Automotive Plast Private Limited

(Under One Roof For All Sealing & Gasket Solutions)

Assured Quality | Reliability | Customer Satisfaction



Manufacturers of
PTFE, PEEK, PCTFE, PVDF, TPU, PFA,
Pure Graphite, Gaskets & All Engineering Polymer Components

Quality Certifications

✓ ISO Certified

✓ IATF Certified

✓ SQ Mark Certified

✓ MACE Certified

Delivering Quality & Globally



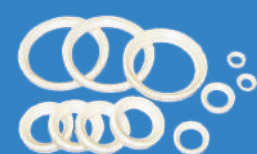
Plug Valve Sleeves



Butterfly Valve Components



Diaphragms & Balls



Ball Valve Seat



General Components

PTFE Components

Properties

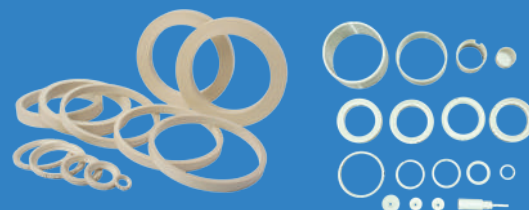
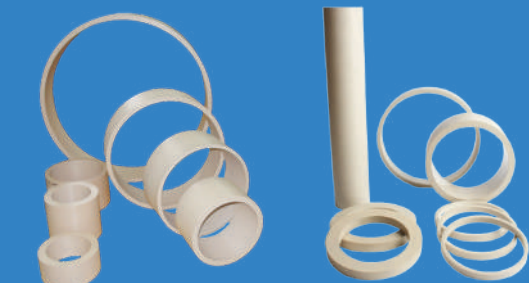
- Exceptional chemical resistance
- High temperature tolerance (+260°C)
- Low friction and non-stick properties
- FDA compliant

Available Grades with manufacturing ranges upto 64"

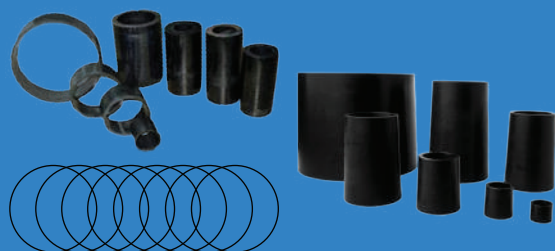
- Virgin PTFE – High purity for critical applications
- Glass-Filled PTFE for enhanced mechanical properties
- Carbon-Filled PTFE for improved wear resistance and conductivity
- Graphite-Filled PTFE for self-lubricating properties
- Bronze-Filled PTFE for increased strength and wear resistance
- Modified PTFE for enhanced purity and creep resistance
- Expanded PTFE (ePTFE) – Soft, compressible, and ideal for seals and gaskets
- Specified Grades by Customer.

Applications

- Food Processing,
- Medical Devices,
- Chemical Processing,
- Electronics,
- Gaskets, and Seals.



PEEK Components



**Carbon Filled PEEK
Thrust Washers, Bearings,
Stem Bushings**

VICTREX® PEEK 450G - Virgin

Properties

- High strength and rigidity
- Exceptional thermal stability (+300°C)
- Good chemical resistance
- Excellent wear resistance

Available Grades

- Virgin PEEK 450G – Pure, high-performance grade
- Glass-Filled PEEK 450FG30, 450GL30 – Increased strength
- Carbon-Filled PEEK 450CA30 – Low friction and enhanced wear resistance
- Bearing Grades PEEK 450FC30 – Excellent tribological performance,
PEEK 450FE20 - Enhanced wear resistance, designed for dry-running
- Specified grades by Customer

PEEK Tube Manufacturing Range

Diameter From 25 To 1000 mm

Applications

- Aerospace, Automotive,
- Medical Devices,
- Semiconductor Manufacturing,
- Bearings, and Bushings

Spring Energized Lip Seal

Properties

- Dynamic sealing capability
- High-pressure and high-temperature tolerance
- Customizable designs to suit specific sealing needs

Spring Materials

- ELGILOY / PHYNOX,
- HASTELLOY C276,
- SS301, SS302, SS304, SS316,
- INCONEL

Lip Seal Materials (Jacket)

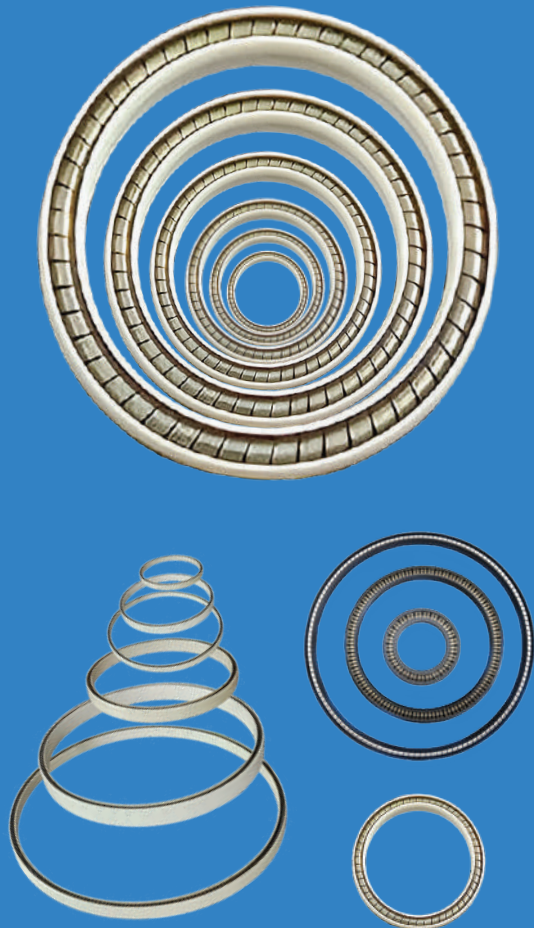
- PTFE - Virgin, PTFE - Virgin Modified,
- PTFE - Reinforced with Carbon and Graphite,
- PTFE - Filled with Glass Fiber and MoS₂,
- PTFE - Reinforced with Special Filler,
- UHMW - PE Modified, EKONOL - PTFE, PEEK and PCTFE

Spring Type

Helical, Cantilevered V Spring, Cantilevered U Spring

Applications

- Hydraulic and Pneumatic systems,
- Automotive,
- Aerospace,
- Fluid handling equipment



Hydraulic Seals

Properties

- Excellent resistance to high pressure and temperature
- Superior wear and tear performance
- Prevents leakage and contamination
- Compatible with hydraulic fluids and oils
- Available in various profiles

Available Grades

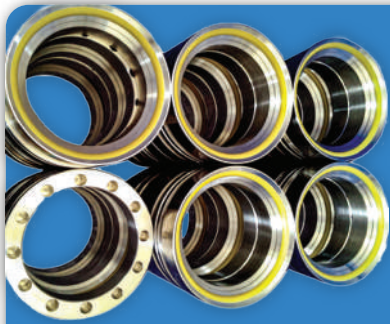
- PTFE, Modified PTFE,
- Glass Filled, Carbon Filled, Moly Filled, Bronze Filled, Graphite Filled,
- Specified Grades by Customer.

Manufacturing Range - Upto 1000mm

Applications

- Hydraulic cylinders and pistons
- Pumps and valves
- Heavy machinery and industrial equipment
- Mobile hydraulics and automotive systems





Metal Seats (Inconel, SS316, SS304)

Properties

Resistant to high temperature and pressure, heavy-duty industrial sealing

Available Grades

Stainless Steel

Brass

Alloy Steels

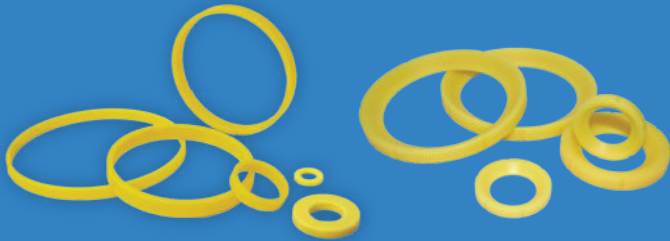
Manufacturing Range - Valve Seats upto 36"

Inserts

PTFE, PEEK, PCTFE, PVDF, PFA, Devlon & specified by customer.

Applications

Oil & Gas, Chemical, High-pressure steam systems, Valves and Pumps.



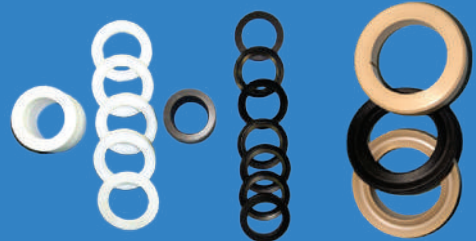
Polyamide

Properties

High strength & durability, Wear resistance, Chemical resistance and temperature tolerance

Applications

Automotive, gears, bearings, electrical components, and bushings



Chevron Packing Set

Properties

Multi-ring packing, high-pressure & temperature sealing applications

Available Grades

PTFE, Modified PTFE, PEEK

Applications

Piston seals, Rotating shafts, Valves, Oil & Gas, Pumps



PCTFE

Properties

Chemical resist, Low permeability, High dimensional stability

Available Grades - PCTFE, Glass-Filled, Low-Permeability

Applications

Cryogenic Valves & Seals, Pharma, Chemical Processing, Aerospace



Dupont™ VESPEL® Seal

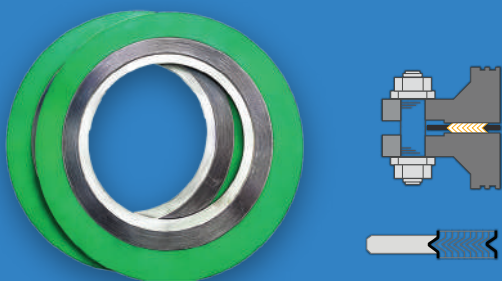
High-performance polyimide material

Properties

Tough, heat-resistant, low-friction parts for extreme conditions.

Applications

Aerospace, Automotive, Oil & Gas, Industrial



Spiral Wound Gasket

Materials

Metallic Materials

- SS304, SS316, SS321
- Carbon Steel
- Alloy Steel (Monel, Inconel, Hastelloy)

Filler Materials

- Graphite
- PTFE
- Non-Asbestos Fibers
- Ceramic Fillers

Types

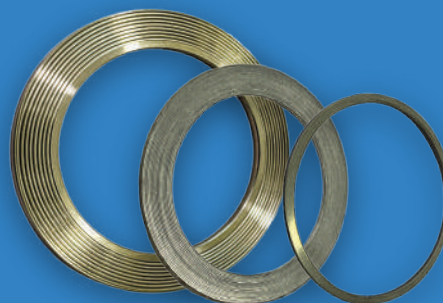
- W Type (Without Rings)
- E Type (With Inner Ring Only)
- F Type (With Outer Ring Only)
- R Type (With Inner & Outer Rings)

Standards

- ASME B16.20
- DIN 28091
- EN 1514-2
- As Per Customer Specification

Applications

Oil & Gas, Power, Chemical, Petrochemical, Pharma, Aerospace, Defence, Marine, Nuclear, Pulp & Paper, Food & Beverage, HVAC & Refrigeration



Corrugated & SHIM Gasket

Materials

Metallic Materials

- Stainless Steel
- Carbon Steel
- Alloy (Monel, Inconel) & Copper

Filler Materials

- Graphite
- PTFE
- Non-Asbestos Fibers

Types

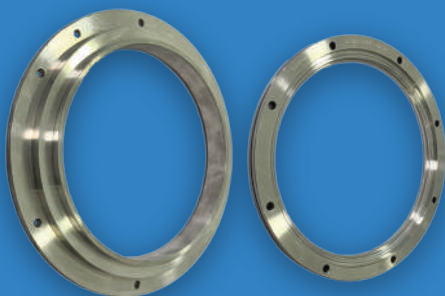
- Single Corrugated Gasket
- Double Corrugated Gasket
- Ringed Corrugated Gasket
- Core with Filler

Standards

- ASME B16.20
- DIN 2690
- EN 1514-1
- As Per Customer Specification

Applications

Oil & Gas, Power, Chemical, Petrochemical, Pharma, Marine, Offshore Engineering, Food & Beverage, Mining, HVAC, Aerospace



Lug & Wafer Retainer Ring

Materials

Metallic Materials

- Stainless Steel
- Carbon Steel
- Alloy Steel
- Brass/Aluminium

Filler Materials

- Graphite
- PTFE
- Non-Asbestos Fibers

Types

- Lug Retainer Ring
- Wafer Retainer Ring
- Universal Retainer Ring

Standards

- API 609, 6D
- EN 593
- As Per Customer Specification

Applications

Oil & Gas, Power, Water & Waste water treatment, Chemical, Petrochemical, HVAC, Food & Beverage, Mining, Mineral Process, Shipbuilding, Marine, Pharma



Metal Jacketed Gasket

Materials

Metallic Materials

- Metal Jackets
- Stainless Steel
- Carbon Steel
- Alloy (Inconel, Hastelloy)
- Copper

Filler Materials

- Graphite
- PTFE
- Non-Asbestos Fibers
- Ceramic Fillers

Types

- Single, Double, Corrugated Jacketed Gasket
- Kamprofile Gasket & Full Face

Standards

- ASME B16.20
- EN 1514-6
- As Per Customer Specification

Applications

Oil & Gas, Power, Chemical, Petrochemical, Pharma, Marine, Food & Beverage, Mining, Aerospace, Water & Wastewater Treatment



Kamprofile Gasket

Materials

Metallic Materials

- Stainless Steel
- Carbon Steel
- Alloy Steel (Inconel)

Filler Materials

- Graphite
- PTFE
- Non-Asbestos Fibers

Types

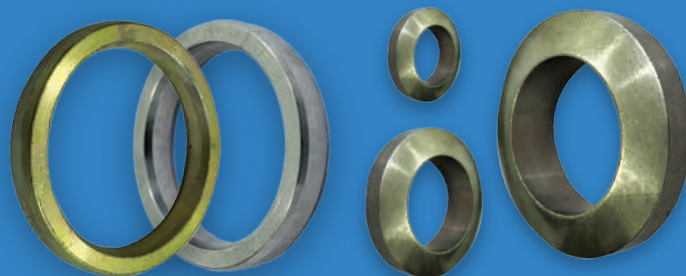
- Standard
- Kamprofile (With inner ring)
- Kamprofile (With outer ring)
- Flat Kamprofile

Standards

- ASME B16.20
- DIN 28091
- EN 1514-1
- As Per Customer Specification

Applications

Oil & Gas, Power, Chemical, Petrochemical, Pharma, Aerospace, Marine, Mining, Food & Beverage, HVAC, Water Treatment



Ring Joint & Lens Gasket

Materials

- Stainless Steel
- Carbon Steel
- Alloy
- Nickel Alloy
- Titanium

Types

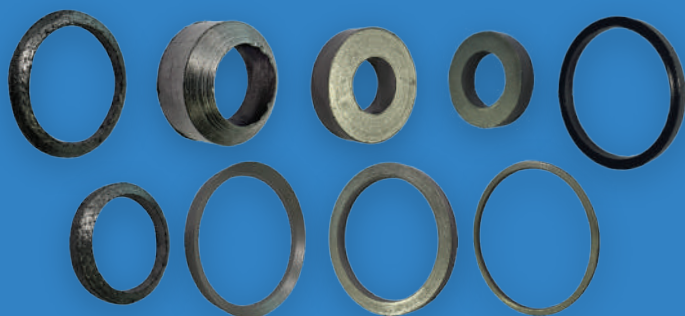
- R Type
- RX Type
- BX Type

Standards

- ASME B16.20
- API 6A
- EN 1514-2
- As Per Customer Specification

Applications

Oil & Gas, Power, Chemical, Petrochemical, Marine, Manufacturing, Aerospace, Nuclear, Water Treatment, Food & Beverage



Graphite Packing & Sealing

Materials

- 99% Pure Flexible Graphite

Types

- Customized

Standards

- As Per Customer Specification

Applications

- Valve & Pump
- Nuclear Plant
- Steam Turbines
- Food & Beverage
- Pharmaceutical



Metal & Copper Gladed

Materials

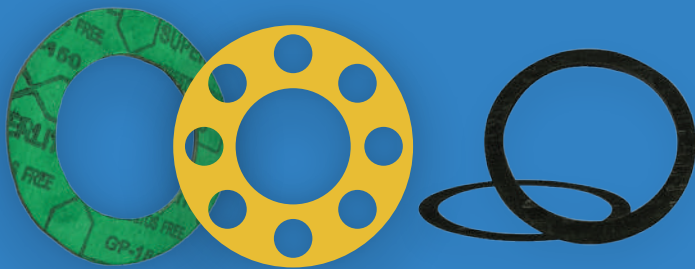
- Soft Iron
- Aluminium
- Stainless Steel
- Copper

Standards

- As Per Customer Specification

Applications

- Valve Bonnets
- Vacuum Pumps
- Compressors
- Nipples (Piping)
- High Pressure Unions
- Reactors



Non-Metallic Gasket

Materials

- CAF
- PTFE
- Graphite
- Rubber

Types

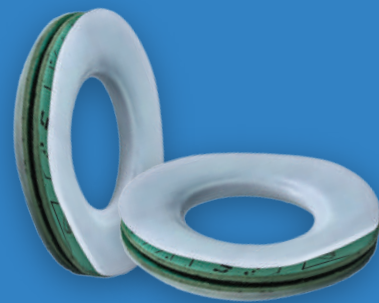
- Customized

Standards

- ASME B16.21
- EN 12560-1
- As Per Customer Specification

Applications

Oil & Gas, Power, HVAC, Chemical, Mining, Marine, Aerospace, Electrical, Electronics, Water Treatment, Food & Beverage



PTFE Envelope Gasket

Materials

Metallic Materials

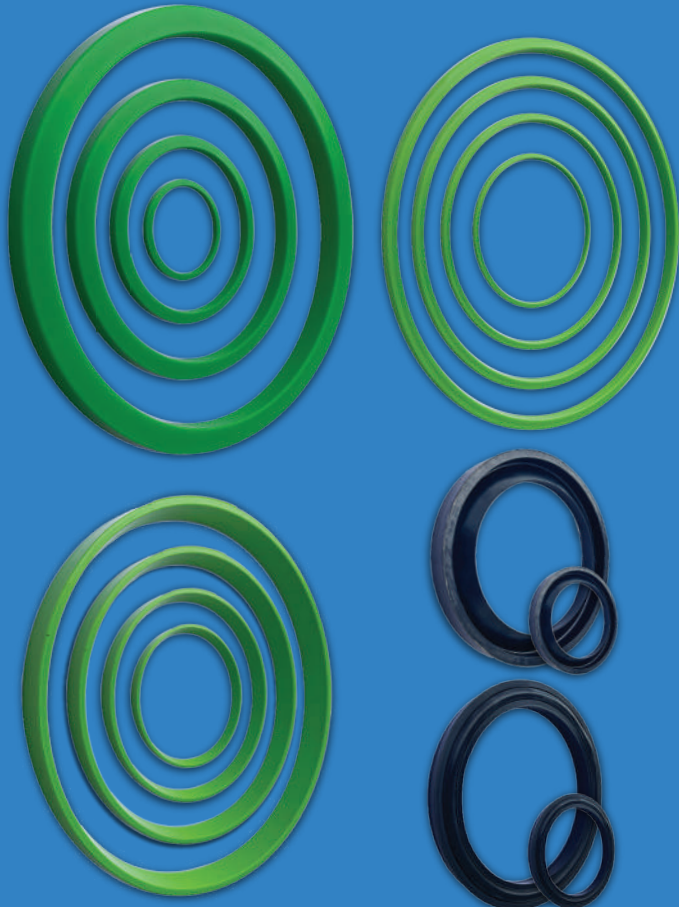
- PTFE (Teflon) SLIT
- Compressed Non-Asbestos Inserts or Metal Corrugated Inserts

Standards

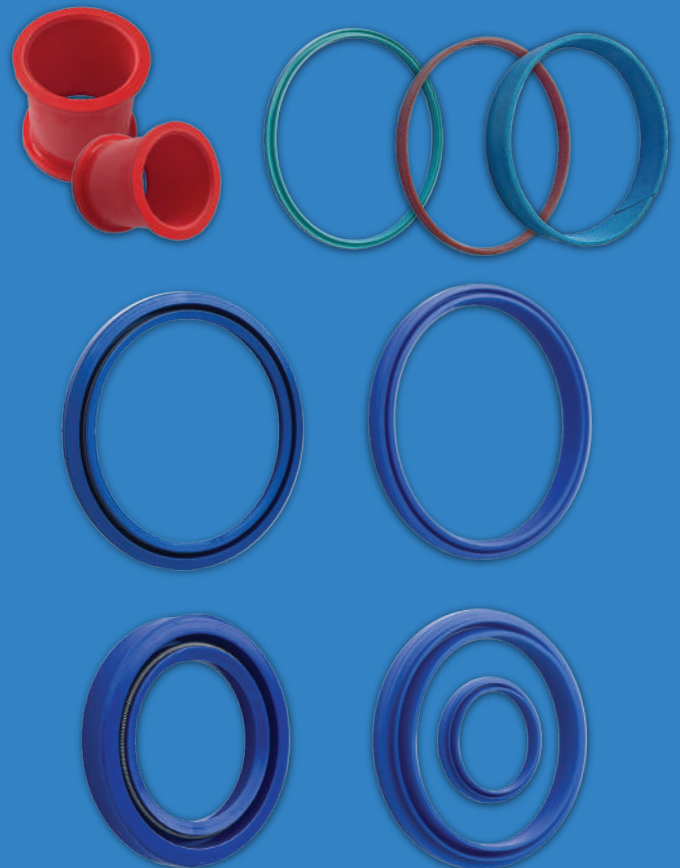
- ASME B16.21
- As Per Customer Specification

Applications

- Highly Corrosive Chemical Joints
- Food & Beverage
- Pharmaceutical
- Titanium



PU Components



Rubber Elastomer Components



Fluoro Automotive Plast Private Limited

About Us

Established in 1996 in Chennai, the Gateway of South India, our company consistently innovated and excelled in manufacturing and supplying high-quality industrial seals & gaskets, achieving new milestones over the years and tailored to meet customer specifications.

Contact Us



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+91-95510 06669



044 - 2744 1147

Enquire for Seals & O-Rings



info@fluoroapl.com



www.fluoroapl.com

Enquire for Graphite Rings & Gaskets



info@saisakthigasket.in



www.saisakthigasket.in

Locate Us

#32, Pillaiyar Koil Street,
Chinna Kayar, Kayar RF,
Thiruporur - 603110,
Tamil Nadu, India.



Location

Sectors We Serve



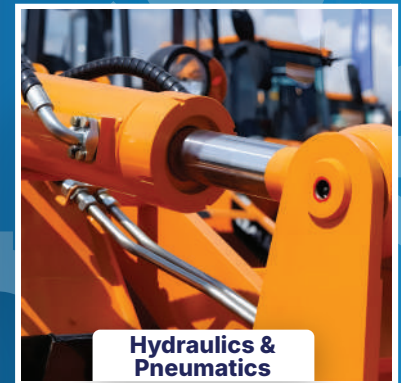
Automotive



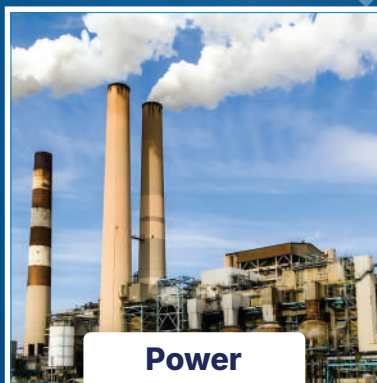
Valve & Pump



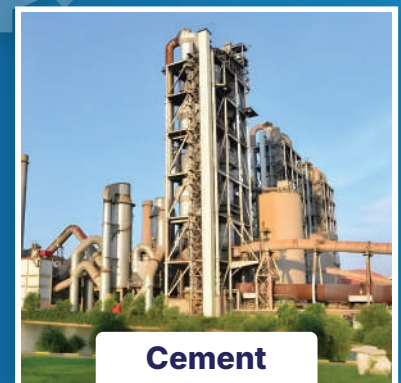
Oil & Gas



Hydraulics & Pneumatics



Power



Cement



Wind Energy



Agriculture

Fluoro Automotive Plast Private Limited

(Under One Roof For All Sealing & Gasket Solutions)