



SUPRA

Since 1980

AN ISO 9001:2015 COMPANY

Government Of India Recognised Export House

Our Products:

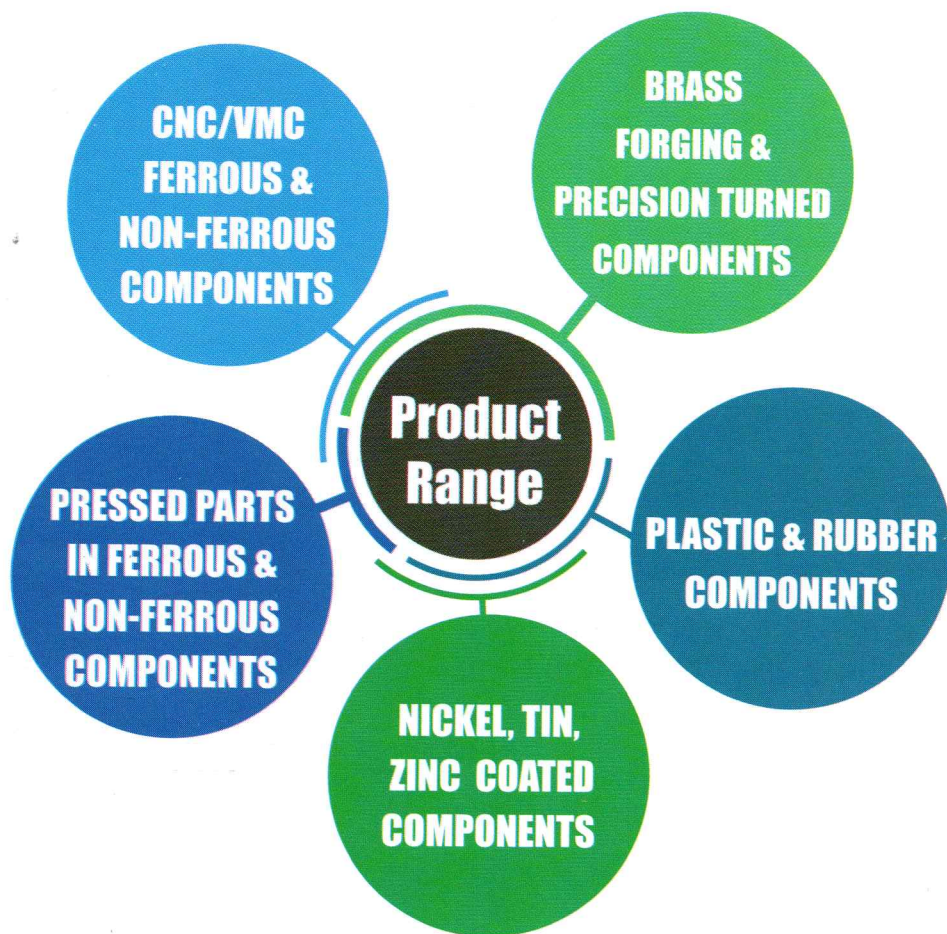
- Brass Forged & Machined Components
- CNC/VMC Precision Turned Components in Ferrous & Non-Ferrous Metals
- Stamping Parts in Ferrous, Non-Ferrous Metals, Mica & Teflon (PTFE)
- Nickel, Tin, Zinc & Powder Coated Ferrous & Non-Ferrous Components

ABOUT SUPRA

In 1980, what started as a venture for Mr. Sudhir Shah has today turned into an expansive export company that manufactures industrial parts in Brass, Copper, Stainless Steel, Mild Steel Nickel, Zinc Trivalent plated, Teflon and Mica. The manufactured parts are used in various industries including manufacturers of Heating Elements & Home Appliances and Gas industry all across the world.



Sudhir Shah
(CEO, SUPRA Group)



From its beginning in 1980, **SUPRA** values effective communication, employee education, efficient customer service and the zeal to achieve excellence to be the main aspects of a leading manufacturing company. **Customization of the components, as per the buyer design and specifications, along with continuous quality control enhancement is the key to success.** Along with being an **ISO 9001:2015** certified company, SUPRA is a brand that is committed to deliver quality products and services to its customers across the world.

Consumers who require different sizes of components in various materials prefer the business model of SUPRA.

SUPRA's competitive pricing, prompt delivery of samples, timely order completion along with maintaining the quality standards has led in the increase of the company's revenue year on year.

SUPRA exports its products to the below listed countries:



Our mission is to make business with SUPRA, for our customers, a professional, profitable and a mutually pleasurable experience.

Quality Assurance at Supra

All the products supplied by SUPRA are RoHS and REACH compliant.

The Quality Control team at SUPRA understands the importance of component precision in the end product performance and therefore a strict conformance is maintained throughout the manufacturing process.



A quality check is performed starting with the inspection of the incoming materials from pre-approved suppliers, then an online inspection of the product during the manufacturing process is conducted and a final inspection report for each outgoing product, including the plating certificate specifying microns (Zinc Trivalent, Nickel or Tin) is performed to confirm that all specifications have been met as per the requirement of the drawing sent by the customer.

Calibrated instruments are the backbone of any company that heavily relies on specifications. SUPRA is deeply invested in high-end calibrated instruments to do a quality check on each of its components.

Calibration of testing equipment as well as gauges used for checking threads, diameters and such are done on regular intervals, in order keep them in compliance with the defined specifications and tolerances, and are independently audited each year to confirm the accuracy & repeatability by the ISO auditors.

SUPRA has been able to achieve the tolerances of No +/- 10 microns and has been able to successfully deliver critical components to its customers in the last few decades. Also SUPRA has maintained the threading on these components as per Class "A" or Class "B" depending on the criticality of the product and requirement of the customer.

Hence SUPRA has been able to supply variety of complicated and high precision components, having very strict tolerances, successfully in the last decade, especially to the European market.

Needless to say, since SUPRA is an ISO 9001:2015 certified company, all quality related documents are well maintained which helps in having a systematic control on all the required procedures in order to ensure that the consistency of the component is always maintained irrespective of the person involved in it.

Gauges Used :

- Thread Ring and Plug Gauges
- Height Gauge
- Pitch Micrometre to check the pitch of the thread
- Pin Gauges to check Critical Internal Diameter with closer tolerances
- Depth Gauge
- Surface tester to check the roughness of the surface to check the required Rz Value

Maintaining Quality for all the products is built-in, into the Standard Operating Procedures and so not "Hoped For".

Brass Forged & Precision Machined Components:

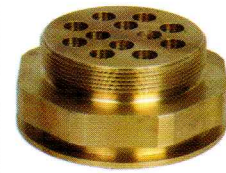
Brass components manufacturing range are divided into 2 broad categories:

Brass Components

CNC/VMC Machined
Precision Turned Components,
Brass Ferrules & Nipples,
Brass Nuts & Olives
Union, Reducers & Adaptors,
Gas Injectors & Jets,
Bulkhead Fitting

Gas Forged Components, Brass
Flanges & Screw Plugs, Isolation
Valves & Elbows Fitted With
Grub Screw, Metal Seal Fitted
With Rubber Seal,
O-Ring And Washer

Brass Grades used for Forging
Flanges, Screw Plugs, Valves &
Elbows are CW61 N & CW614N
(CuZn40Pb2), CZ121/CuZn39Pb3 as
well as newly incorporated ECO
Brass CW72R (Zero Lead Brass).





Brass Flanges/Heads are first forged (Hex and Diameter sizes vary from 40mm to 100mm) and then machined on CNC/VMC machines to get a high tolerance dimension within (10 microns) especially the position of the holes. There are different sizes of Brass Screw Plugs Threads that SUPRA produces which are used in manufacturing water heaters ranging from BSP threading G1/4", G1/2", G1", G1.5", G1.75", G2", G2.25" & G2.5" to variety of NPT threading as well as Metric Thread starting from M3 to M77. SUPRA also machines components having diameters ranging from 2mm to 200mm.

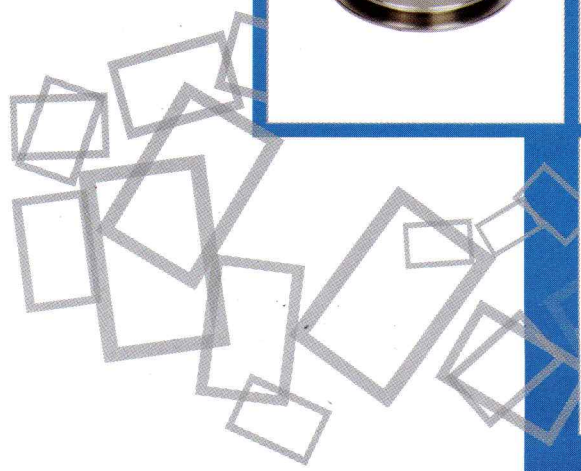


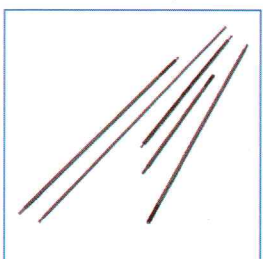
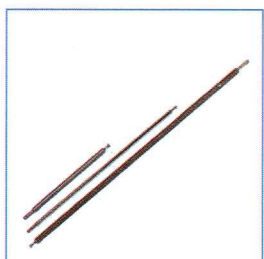
CNC/VMC

Precision Machined Ferrous/Non-Ferrous Turned Components

SUPRA offers turned components in raw materials ranging from Steel to Teflon with high precision and tolerances. These components cater to various industries globally that have complicated applications. SUPRA manufactures components in sizes ranging from 4mm to 120mm round bars, pipes and Hex bars. SUPRA also manufactures components from a square bar ranging from 5mm to 250 mm.

All ferrous and non-ferrous turned components are made on the Traub machines (Conventional) or CNC/VMC machines to get a high precision if the tolerances are strict.





Raw Material:-

- Steel Grade 11SMnPb30, St.37 (Free cutting steel EN1AL) coated with Zinc Trivalent or Nickel
- Stainless Steel SS 303 (DIN 1.4305), SS-304 (DIN 1.4301), SS 304L, SS 321, SS 316 (DIN 1.4404), SS 316Ti (DIN 1.4571)
- Aluminum 5052/HE30 Glade
- Teflon (PTFE) (100% virgin or pigmented to give the desired color)

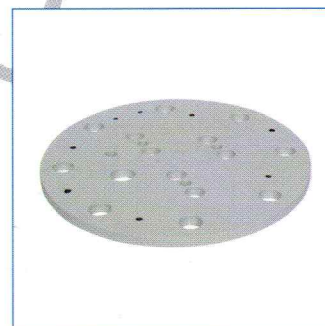
APPLICATION OF THE TURNED COMPONENTS AT THE CONSUMERS' END:-

- Stainless Steel Flanges, Plates & Bushes are used in tubular heating elements used for brazing copper pipes or for screwing a flanged circulation heater.
- Boss and Lever turned components made of SS-304 are assembled together and used as sub-assemblies in the Gas Industry.
- Teflon Turned parts are as used as roller for mobility of the ring inside the ovens, used for sub-assemblies by oven manufacturing companies.
- Stainless Steel Sockets and Bricks are used as connectors in Cartridge Heaters.
- Thermowelds as well as Aluminum connectors are exported by us and used by our clients.

FLANGES AND LIDS

A flange connects pipes, valves, pumps and other equipment to form a piping system. They are usually welded or screwed together. They also provide easy access for cleaning, inspection or modification. Flanged joints are made by bolting together two flanges with a gasket between them to provide a seal.

Brazing Operation of the Stainless Steel tubes and Copper tubes, that are used to make Heat Exchangers, is done by our customers.



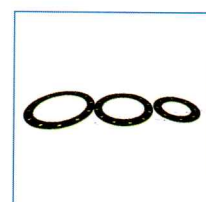
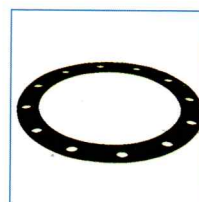
RUBBER COMPONENTS

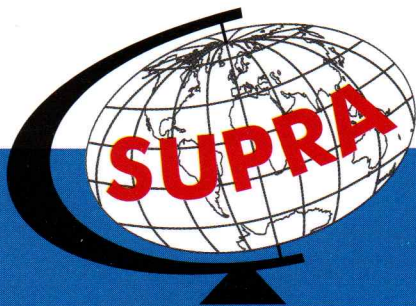
SUPRA has been manufacturing and exporting high tensile rubber products from different rubber viz. natural & synthetic including EPDM, Nitrile, Neoprene, Silicone and Viton® rubber, bringing its customers the finest in rubber molded, extruded & fabricated components. SUPRA offers quality industrial rubber components like Molded & Extruded Rubber products as well as Metal bonded rubber products. These are a cost effective solution to the versatile rubber product requirements. SUPRA also offers a variety of Rubber Seals, O-rings used in Gas industries and Gaskets of various sizes till 400 mm that are used in Flanges for sealing. Also offering Food Grade EPDM Gasket that is used in Drinking Water applications from diameter 5mm-230mm with different hole size.

PLASTIC COMPONENTS

SUPRA offers a variety of plastic products made from Nylon, Nylon 66, Nylon 66 30% GF, ABS, LDPE, HDPE as well as Polypropylene.

We produce Plastic plugs of various colors used in tubular heater manufacturing. Also we offer Plastic Protection Box for Immersion Heating Elements. So we can produce any plastic component based on the specification of the customer.





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Manufacturer & Exporter

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