

Component selection Guide for Engineering products.

Optimize designs, reduce lead time,
Fastest supply chain and committed to delivery.



- A** Making the chain bidirectional for a circular economy.
- B** Rapid product improvement based on customer feedback during the development stage with a focus on the industrial applications





The manufacturing industry has faced several challenges in controlling process complexity, managing human error, reducing waste, eliminating inefficiencies, and improving the skills required for modern manufacturing.



Xpro Ventures works with our clients to create innovative solutions and business models that address volatile markets, tight margins, tighter regulations, compliance pressures, a large talent gap, and other workforce issues. The manufacturing unit at Xpro Venture's Digital Operations Platform helps leading manufacturing organizations across the globe drive enterprise and business transformation and accelerate revenue. By combining our digital and domain expertise across industrial and process manufacturing, automotive and transportation, agricultural, electrical, home appliances and heavy-duty machineries we help our customer transform processes, product design, supply chain to achieve transformation for growth of business and customer satisfaction.

Xpro Ventures is a leading and reputed Merchant of various product varieties, including stamping components, fasteners, plastic molded components, electroplating services. We offer our customers the best possible service and quality at a competitive price.

we stand out as the best choice for manufacturers on their process transformation and consolidation journey this enables Xpro Ventures deliver benefits like reduced demand-supply gap, decreased procurement costs and improved time-to-market to manufacturers.

We have delivered various benefits to our customers, including:

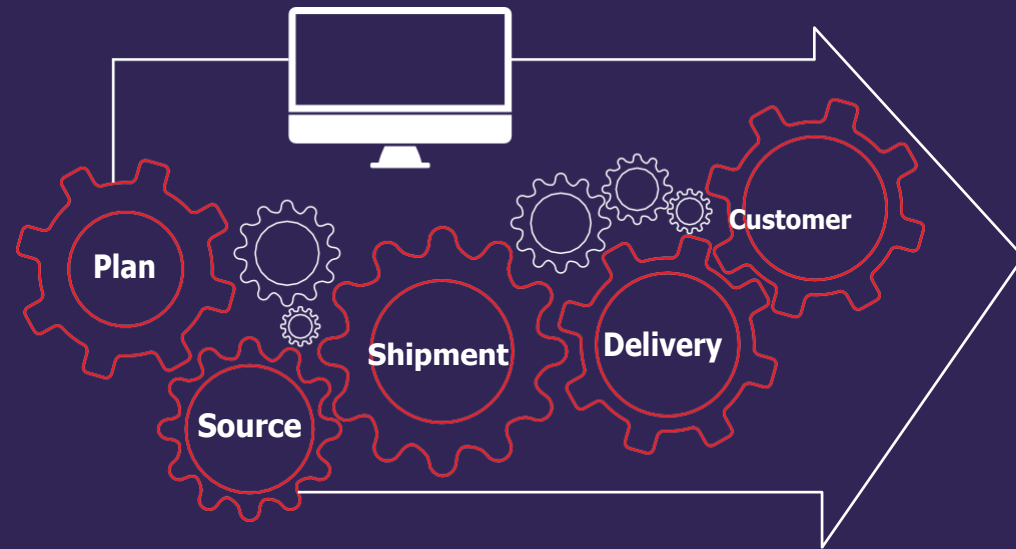


-  Precision Machined Technology
-  Sheetmetal Stamping Innovations
-  Group of Fastners
-  Plastic Moulding Technology
-  Metal Electroplating Services

KEY CAPABILITY:

We offer end-to-end enterprise services for manufacturing customers across the supply chain landscape.

enablement, service excellence and productivity improvements.



- Requirement fulfillment
- Customize product delivery
- Committed delivery
- Sourcing and procurement on time.
- Quality of product
- One stop solution



KEY BENEFITS

Manufacturers are looking to optimize costs through value engineering and process transformation. While keeping the focus on core operations, manufacturers are engaging with partners to improve their operational support process.

Our services use advanced manufacturing support as per customer requirement and platforms to streamline processes. To determine how low-cost and quality channels can be exploited to improve business outcomes and speed-to-market.

FEATURES



Master data management:

Vendor master, product master, customer master



Reporting, analytics:

Reporting supply chain analytics, compliance support



Compliance:

Product, environmental, legal



Content:

RFQ, customize product delivery, quality, optimum cost



Customer feedback:

Satisfaction and timely delivery



Act as per feedback:

Plan to deliver as per new order

HIGHLIGHTS:

- The company sources products that are unique and require customization. Such products are normally not readily available to clients. This is one of the unique offerings of Xpro Ventures as the management team covers every nook and corner to facilitate and export such customized products.
- We at Xpro Ventures ensure that clients always get their purchases in a timely manner and as per their requirements. Our main objective is to aspire towards customer delight, and all our processes are streamlined towards one goal: customer delight!
- End-to-end support from sample submission RFQ cost finalization along with good quality and on time delivery.

- We offer constant feedback to our clients and suppliers on the nature of the product and its availability, and we provide a one-stop solution for all the requirements of our clients. from sourcing to shipment, from logistics support to delivery.



Xpro Ventures enables customize manufacturing enhance performance and stay competitive in market with committed deliveries



PRECISION- MACHINED TECHNOLOGY:

The **CNC Machining Parts** offer improved automation and can eliminate human requirements in several production processes. These parts are utilized in several industrial applications due to their superior flexibility and repeatability. The module's consistent productivity along with higher accuracy makes it a reliable option in various stress-induced systems **Machine Components** utilize vertical machining centers. They machine raw blocks of metals like aluminum or steel into different types of machined components.





PRECISION MACHINED COMPONENTS FOR ELECTRICAL & HEAVY DUTY APPLICATIONS -

These items have a simple structure, which allows them to be set up easily. Furthermore, they take up less floor space and have an excellent cooling efficiency. Our **Precision Machining Parts** help in eliminating material from workpieces while maintaining process control and tolerances. This enables the machinery to continue functioning under tight specifications.



SHEET METAL STAMPING:

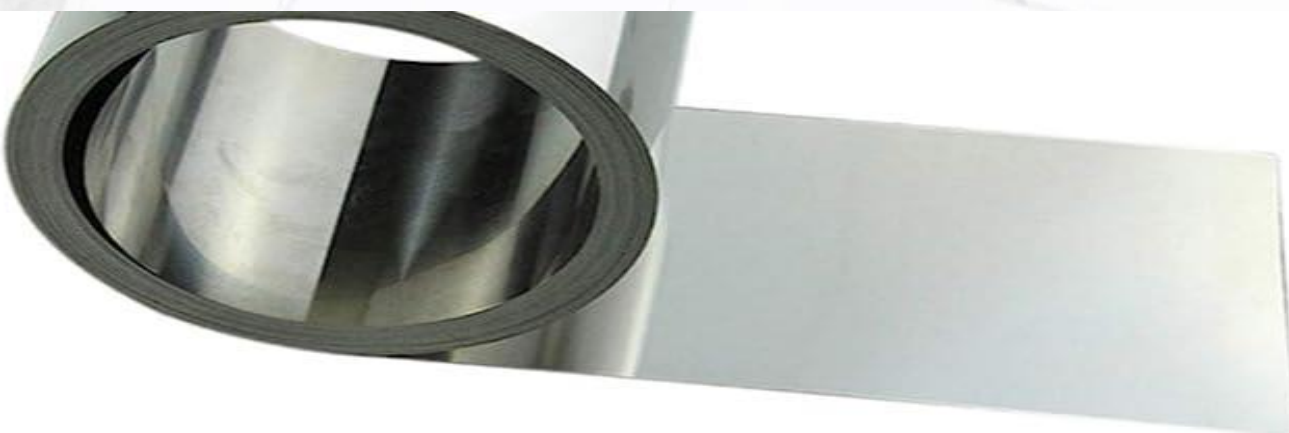
Sheet metal stamping (also known as sheet metal pressing and forming) is the process of placing flat sheet metal in either blank or coil form into a stamping press where a tool and die surface forms the metal into a net shape.

Xpro Ventures has the capability of using a variety of materials for our metal stamping projects.

Currently we use:

- Aluminum
- Brass
- Bronze
- Cold Rolled Steel
- Copper
- Nickel Plated Steel
- Stainless Steel
- Various special high performance copper alloys

we serve specific high-volume markets including Electrical, home appliance manufacturers, automotive manufacturers, and heavy-duty machine manufacturers, agricultural applications. Metal stamping is a combination of various operations such as stamping, folding, drawing, and piercing. It is either a single operation or a series of multiple operations depending upon the parts being stamped.



PIPE CLAMPS:

A pipe clamp is support for reducing pipe vibration and noise, and firmly holding the pipe. In addition to pipes that convey gas, liquids and powders, pipe clamps are used for pipes that protect power or communication cables. The main pipe clamp types are pipe clamps that are secured with bolts and nuts, joint clips that hold with a single action, and multi-pipe clamps that can mount multiple pipes at the same time. Mounting methods for multi-pipe clamps include fastening the clamp main body to a weld adapter that is welded to the frame, or attaching a mounting adapter to the clamp main body and then fastening it to the frame. Some clamp main bodies can be combined to perform stacked mounting using coupling bolts.



CONDUIT BODY COVER:

A conduit body is a separate section of conduit tubing that provides easy access into the interior of an electrical raceway. It allows more space for electrical conductors to bend. Conduit bodies also add extra protection from weather and corrosion to your conductors. Conduit bodies are available in different shapes and sizes. Used in conjunction with gaskets when assembling conduit bodies to cover openings.



TAIL LIGHT STEEL MOUNTING BRACKETS:

A tail lamp mounting bracket is a component used to secure and support the tail lamp assembly on a vehicle. It is typically made of metal or plastic and is designed to hold the tail lamp securely in place while allowing for proper alignment and adjustment. The exact design and construction of a tail lamp mounting bracket can vary depending on the vehicle make and model.



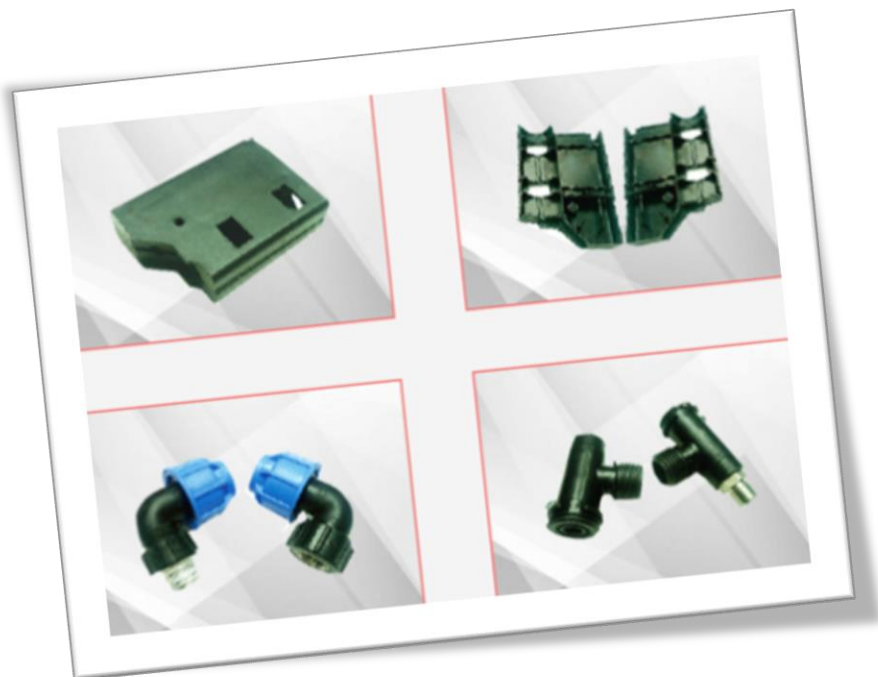
PLASTIC MOULDING COMPONENTS:

We are having capability to produce high quality plastic containers of various shapes and sizes. Our product mainly consists of plastic HDPE Drums, oil cans, castor oil cans, Plastic Jars and Caps, home appliances parts, plastic buckets, electrical parts, Water Cans, PET bottles, electrical connectors, domestic and household plastic buckets with or without lid, industrial buckets etc. Made by Blow Molding and Injection Molding process. These items are used for packaging by various clients in the Pharmaceuticals, Engineering, FMCG, Food Industry etc.



**ONE STOP SOLUTION
FOR PLASTIC
COMPONENTS**

HOME APPLIANCES PARTS:



Customized Ready Products, Home Appliance Accessories, Washing Machine Parts, Refrigerator Parts, Water Filter Parts, AC (Air Conditioner) Parts. We are a prominent firm occupied with offering Parts of Home Appliances to an outstanding Company in this portion. Inferable from their more extended administration life, rust evidence nature and wear and tear obstruction, these parts are generally requested in the market. We make utilization of high caliber and determined crude material to make these machine parts

CONTAINERS AND JARS:

Containers, and jars are an exciting frontier in the packaging industry for various market verticals, including pharmaceuticals, cosmetics, personal care, beverages, food, dairy, and more. They offer both aesthetic appeal and adaptability. product shelf life and enhance brand presentation, but also prioritize sustainability. These solutions are used to store a wide range of everyday products, both at home and in commercial settings such as hotels and restaurants.

We offer a variety of options in this attractive and durable range, including customization options for colours, materials, and decoration techniques.



ENGINE OIL BOTTLES AND CANS FOR EDIBLE OIL:

Sturdy packaging and practical utility are two major driving factors for packaging oil and lubricants. We offer packaging solutions with impermeable material, windows that show the level of filled product, easy caps, and closures.



PET BOTTLES AND CAPS:

We are supplying Plastic Bottles and caps. The superior range that we offer includes Plastic Bottles, Plastic Packaging Containers, and caps. Our product range is truly acknowledged for its ingenious designs, vibrant colours, odors resistance capacity and that durability is an add on making the range all together resonate with our principle of quality assurance that we provide to our clients.



INJECTION MOULDED PARTS:

Making Plastic Injection Moulding is one of everyday business for us. We specialize in manufacturing of engineering parts, custom plastic injection moulding, and high precision injection molding.

Whether your plastic part is small or large we have the moulding capability to handle it. The engineered components which moulded in our plastic machine shop come out with very high quality, precision parts that have very close dimensional tolerances.

This achieves optimum productivity and means we can offer very competitive prices to our customers.



INDUSTRIAL FASTENERS:

INDUSTRIAL FASTENERS is a distribution / contract manufacturing organization offering a single source of supply of fasteners.

The Brands that we represent are world leaders in their respective industries. We provide quality products to our valued customers. Our Back Office staff and strong sales force is available to assist you in the design and product selection process.

The major initiatives of growth will be through strategic acquisitions and diversifications into new product areas which will help the company in placing itself in a position of strength in various parts of the world in supply chain management.

Fastener products also include the tools, assembly equipment, and related supplies required for installation. Every type of fastener has been used in all industries. You will find industrial fasteners in consumer devices like smartphones and computers. They have used in equipment such as robotics, medical adhesives, or machines.

we have a diverse inventory of high-quality industrial fasteners. They are the best you may not find from other producers. You can expect a quick, immediate turnaround on any orders you make. We go the extra mile to offer you the best customer service. You can assume us to help you get the job done with ease.

Below are the product ranges which offers by Xpro Ventures -

1. STUDS BOLTS / FULL THREAD STUDS
2. HEX HEAD BOLTS
3. COUNTER SUNK SCREWS / SLOTTED / ALLEN
4. EYE BOLTS / LIFTING EYE BOLTS
5. U-Clamps
6. Nuts
7. Washers



STUDS BOLTS /FULL THREAD STUDS:

Using IS-2062 Grade A, En-8, En-19, SS-410, SS-304, SS-316 or any other as per requirement. As per IS-1367 Class 5.6, Class 8.8, Class 10.9, Class12.9, ASTM A193 B7, ASTM A193 B8, B8M, B16, ASTM A563 L7, L7M.

Surface Treatment: Blackbodies, Phosphate, Zinc Plated with yellow, blue, olive-green passivation.

Threading sizes from M6 to M100 ISO Metric 6g as per IS-4218 or equivalent in BSW / UNC, of following types.

- Full Thread Studs as per DIN 975.
- Rods with Threading on one side as per DIN 524.
- Studs with Threading on two sides as per DIN 939, DIN 940, IS 1862 Type A, B & C.
- Tip-Welding Studs.
- Tie Rod Studs for Plate Type Heat Exchangers.
- Square / ACME Thread Studs (Lead Screws)
- Other studs as per specific req and drawings.



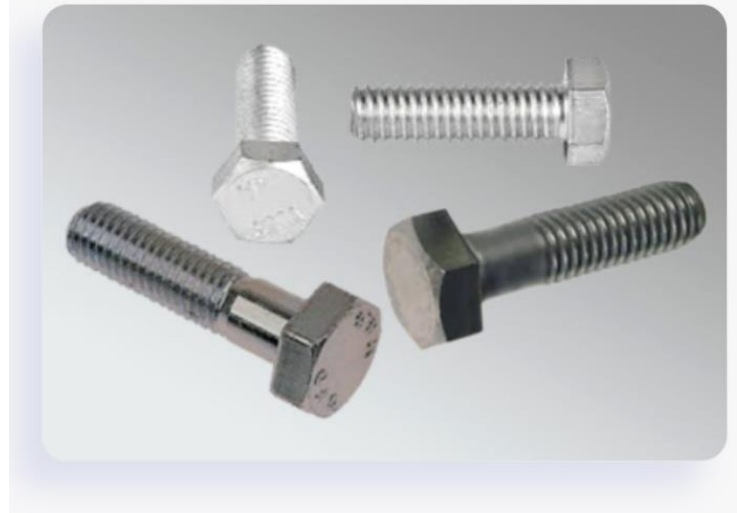
HEX HEAD BOLTS:

Using IS-2062 Grade A, En-8, En-19, SS-410, SS-304, SS-316 or any other material as per customer specification.

As per IS-1367 Class 5.6, Class 8.8, Class 10.9, ASTM A 193 B7, B8, B8M, A2-70, A4-70, A4-80
Surface Treatment : Blackbodies, phosphate, Zinc Plated with yellow, blue, olive green passivation.

Threading Sizes M6 to M100 ISO, Metric 6g, as per IS-4218 or equivalent in BSW / UNC of following types

- Full Thread Hex Bolts.
- Half Thread Hex Bolts.
- Hex Bolts for Steel as per IS-6639.
- Special Hex Bolts as per DIN 561, DIN 933.
- Other Hex Bolts as per your specific requirement and drawing.



COUNTER SUNK SCREWS / SLOTTED / ALLEN:



Using IS-2062 Grade A, En-8, En-19, SS-410, SS-304, SS-316 or any other material as per customer's specification.

As per Class 4.6, Class 5.6, Class 8.8, Class 10.9, A2-70, A4-70, A4-80.

Surface Treatment: blackbodies, phosphate, Zinc Plated with yellow, blue, olive green passivation.

Threading Sizes M6 to M64 ISO, Metric 6g, as per IS-4218 or equivalent in BSW / UNC of following types

- Dimensions as per ISO-898/1.

EYE BOLTS / LIFTING EYE BOLTS:

Using IS-2062 Grade A, En-8, En-19, SS-410, SS-304, SS-316 or any other material as per customer's specification.

As per IS-1367 Class 4.6, Class 8.8, Class 10.9, A2-70, A4-70, A4-80

Surface Treatment: blackbodies, phosphates, Zinc Plated with yellow, blue, olive-green passivation.

Threading Sizes M12 to M64 ISO, Metric 6g, as per IS-4218 or equivalent in BSW / UNC of following types

- Manufacturing as per IS-4190 / DIN 580.



U-CLAMPS:

Using IS-2062 Grade A, En-8, En-19, SS-410, SS-304, SS-316 or any other material as per customer's specification.

As per IS-1367 Class 4.6, Class 8.8, Class 10.9, A2-70, A4-70, A4-80

Surface Treatment: blackbodies, phosphate, Zinc Plated with yellow, blue, olive-green passivation.

Threading Sizes M6 to M24 ISO, Metric 6g, as per IS-4218 or equivalent in BSW / UNC of following types

- Suitable for 15NB (1/2") up to 800 NB (12") Pipes.
- Suitable for 12.5 (1/2") up to 800 (12") OD Pipes.
- Available in Rod Sizes 6mm to 16mm with 2 Nuts & 2 Washers.
- Available in Flat (Patti) for above sizes.



NUTS:

Using IS-2062 Grade A, En-8, En-19, SS-410, SS-304, SS-316 or any other material as per customer's requirement.



As per IS-1367 Class 4, Class 8, Class 10, A2-70, A4-70, A4-80, SA194 Gr 2H/B8A
Surface Treatment: blackbodies, phosphate, Zinc Plated with yellow, blue, olive-green passivation.

Threading Sizes M6 to M100 ISO, Metric 6g, as per IS-4218 or equivalent in BSW / UNC of following types

- Standard Nuts as per IS-1364, ISO 4032, IS 6623.
- Lock Nuts
- Ny lock Nuts
- Heavy Nuts
- Long / Double Nuts
- Castle Nuts as per IS-2232
- Round Nuts
- Any other nut as per customer's drawing & requirements.

WASHERS:

Using IS-2016 Grade A, En-8, En-19, SS-410, SS-304, SS-316 or any other material as per customer's requirement.

Surface Treatment: blackbodies, phosphate, Zinc Plated with yellow, blue, olive-green passivation. Phosphate, Zinc Plated with yellow, blue, olive-green passivation.

- As per IS-2016 Type A Punched Washers for Hex Bolts & Screws.
- As per IS 2016 Type B Punched Washers for Round & Cheese Head Screws.
- Any other Washers as per customer's requirements.



METAL ELECTROPLATING SERVICES:

Xpro Ventures is chosen supplier for chemical specialties for surface finishing. With its highly comprehensive portfolio, Xpro ventures supplies almost all segments dealing with surface treatment, including Automotive, Transportation, Construction, Electronics & Electrical and Healthcare & Lifestyle industries.

The electroplating process uses an anode and a cathode. In electroplating, the metal dissolved from the anode can be plated onto the cathode. The anode is provided with direct current, oxidizing and dissolving its metal atoms in the electrolyte solution. At the cathode, the dissolved metal ions are decreased and the metal is placed on the product.

Talking about the uses of electroplating, apart from enhancing the appearance of the substrate it is used in various other purposes as well. The major application is to optimize a material's resistance towards corrosion. The plated layer often serves as a sacrificial coating which reveals that it dissolves before the base substance.

Electroplating is -

- ✓ Improving wear resistance.
- ✓ Improving the thickness of the metal surface.
- ✓ Enhancing the electrical conductivity like plating a copper layer on an electrical component.
- ✓ Minimizing Friction.
- ✓ Improving surface uniformity.

ZINC- NICKEL ELECTROPLATING:

Zinc-Nickel is a high-performance coating that offers exceptional corrosion resistance particularly for parts used in harsh environments.

Alloying Nickel with Zinc creates a unique composition that will approximately 10-15% nickel and the remainder zinc, this alloy coating can provide up to ten times the protection of conventional zinc plating.

There is an increasing demand across industries for the high-corrosion resistance of Zinc-Nickel due to factors such as extended product warranties, longer life cycle requirements, more stringent safety standards and reduction of environmental impact.



ACID ZINC ELECTROPLATING HEXAVALENT:

Acid Zinc Electroplating Services procedure is performed using acid zinc that has good broad mindedness to high temperature & electrical energy, hence, ideal to be used in barrel and rack zinc plating.

Besides, our better-quality Acid Zinc Plating Process is a dependable and produced exceptionally bright leveled & ductile zinc good tolerance.

This process complies with the international standards, used in barrel and rack zinc plating.



ZINC ELECTROPLATING WITH TRIVALENT PASSIVATIONS:

To fulfill the demands and requirements of our prestigious customers, we undertake **Surface Coating Services**. We render all our services utilizing latest technology and instruments along with premium raw material, which is sourced from the reliable vendors of the market.



These services are widely demanded by the customers due to their reliability, cost-effectiveness, timely execution and flexibility.

MANGANESE PHOSPHATE COATING SERVICES:

we are able of render excellent Manganese phosphate coating services. Widely demanded by automobile industry, our services are executed using high-grade raw material and advanced tools and instruments. During the execution of undertaken project, our expert professionals incorporate even the minute detail given by the customers to achieve their utmost satisfaction.

We offer manganese phosphate coating to shafts and hollow shafts up to 900 mm length with controlled thickness. The phosphate coatings need not stand for an extended length of time, because it is in the initial movements, that parts can be damaged and require lubricity e.g scoring of gears usually takes place in the first few revolutions, during this time, phosphate coating prevents intimate contact of the faces.

As the coating broken down in the operation, some of it is packed into pits or small cavities formed in the mating surfaces by the etching action of the acid during phosphating. Long after break-in, this material packed into the pits prevents direct contact of mating surfaces.



OTHER PLATING SERVICES AS PER CUSTOMER REQUIREMENTS:



We are at prompt assistance with our quality electroplating services. Reach us for all your electroplating tasks. As a top electroplating company, we have extensively served our clients meeting all specific requirements adeptly. We are interested to meet your industrial requirements





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TRUSTFUL BUSINESS

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