Ravi Plastic is a well known name for manufacturing of engineering plastic parts since last 3 decades. Our manufacturing facility spread over 20,000 sq ft with dedicated sections for Design, Tooling, Production, Testing, Welding and Assembling facility of plastic parts.

- We have successfully developed more than 1500 products.
- We offer a full range of precision injection moulding technologies including insert and over-moulding utilizing state-of-the art equipment.
- Our facilities and experienced man-power process all type engineering plastic materials including high temperature materials like PEEK, PPS, PPA, PEI, Nylon 46 etc.
- We follow a PPAP method assuring adherence to quality process and delivering quality products.
- We are reliable for your “Just-in-time delivery” requirements.

Industries We Serve

We manufacture and assemble complex plastic injection-moulded parts which are highly engineered with narrow tolerance for leading domestic and international original equipment manufacturers (OEM) of different market segments.

- Automotive
- Oil & Gas
- Electrical & Electronics
- Sanitary
- Medical & Pharma
- Textile
- Engineering Industries
- Construction

Solution We Provide From Concept to End Product

Customers team up with us, to convert their initial concepts into innovative, highly functional product. Our design team make a model and validate by using finite element analysis and flow analysis.

Metal & Wood Replacement By Engg. Plastic

Our experienced and innovative engineering team offer a Cost-Effective and Superior Replacement for Conventional Parts made from Metal and Wood by Engineering Plastic Components.

We strive to deliver the ultimate customer experience through our commitment to innovation, precision, and consistency.
• Our advanced level of injection moulding process relies on our deep knowledge of material behavior, trained work force and advanced injection moulding equipment and controls. Our plastic injection moulding process is ideal for making high-performance, complex products from materials that require the highest precision.

• Injection moulding machines ranging from 150 KN to 3600 KN and moulding 0.02 g to 1400 g capacity component.

• Processing capabilities of high temperature plastics, such as PEEK, PEI, Nylon 46, PPS, PPA

• We specialize in making custom, critical-use plastic parts or products with tolerance as narrow as 0.05 mm.
INDUSTRY LEADING ENGINEERS SAVE TIME AND MONEY

The products we make are often complex in design require as per tolerance, the best way to optimize the design process is getting us involved in the earlier stage of the project. This is the perfect time to combine the client’s vision of how they want the product to perform with our own deep knowledge of technology, material science, and manufacturability.

WE VALIDATE

- Finite Element Analysis (FEA)
- Mould Flow Analysis
- Rapid Prototyping

WE WORK ON

- Product Design
- Material Selection
- Economic Feasibility
- Manufacturability Criteria

YOUR INPUT

- Design
- Function
- Aesthetic
- Performance
- Human Factors
- Tooling Options

Working together early in the design process results in the best possible product at the lowest possible cost.
“GREAT THINGS ARE DONE BY A SERIES OF SMALL THINGS BROUGHT TOGETHER”

We believe that a quality part comes from a quality mould and perfect mould design. Our engineering team validate CAD data and with the help of mould flow facility we provide feedback on possible quality issues or areas in need of improvement to produce exceptional quality parts.

**YOUR INPUT**
- Mould Life
- Material to be Moulded
- Finish Quality Needed
- Complexity of the Part
- Size of the Production Run

**OUR SUGGESTION**
- No. of Cavities
- Mechanism
- Selection of Tool Steel
- Mould Structure Design

Our team will design and manufacture the best mould based on your input and our suggestions. We have a system capable of monitoring and management of customers molds at any hour of the day, throughout our organization.

**WE WORK**
- Mould Designing
- Mould Manufacturing
- Debugging the Mould
- Mould Proving
The more services a vendor can provide, the greater the value to the customer. That means better communication, higher product quality, lower cost, faster time to market and rapid response time for redesign needs or market shifts.

- Working with key suppliers that are vertically integrated and provide multiple services also shorten the customer’s supply chain, reducing risk and improving cost efficiencies.
- Our production services cover the full life cycle of the part or product—from design through assembly and packaging.

We are one stop solution provider for all type of engineering requirements from concept to end product.
• For us quality is the first and foremost priority, and we ensure to abide by the high standards of quality management system through all the stages of product manufacturing. The system includes a dedicated inspection facility with a non-contact vision measuring machine and a shadow graph. Full conformity and traceability is assured with systems documentation to meeting the standards of ISO 9001:2015.
RAVI PLAST MOLD PRIVATE LIMITED
ONE STOP SOLUTION FOR PRECISION PLASTIC PARTS AND ASSEMBLY


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