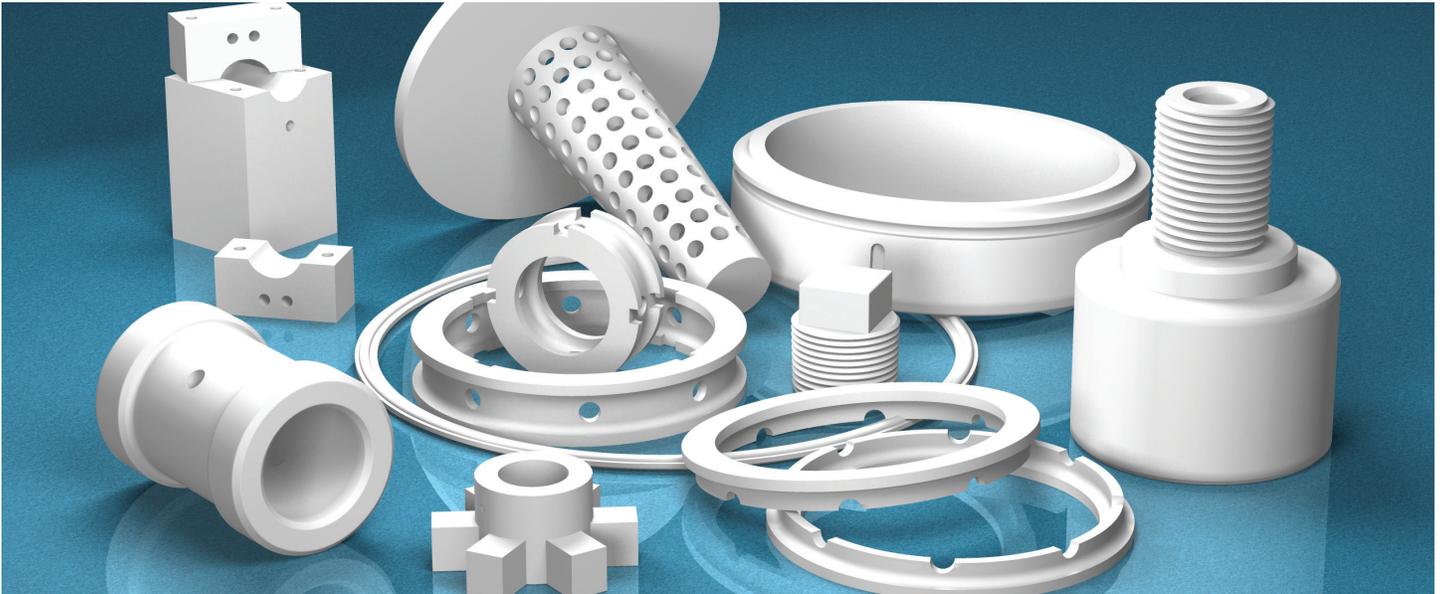


TECHNICAL BULLETIN:

# MACHINED PLASTICS

PTFE &  
OTHERS



IPM-TEK employs the latest CNC machinery, and experienced machinists, in the fabrication of PTFE and plastic products. IPM-TEK does not machine any metal, therefore, there is zero risk of foreign material contamination in our machined products. Whether it is a single prototype part, or a large, complex, production order, we will work to ensure that all finished goods meet the same quality standards before leaving our facility. For your next Custom Machined Plastics or PTFE order, give IPM-TEK a call. We can assist you with your design, material selections, tooling and finishing requirements.

Machined PTFE is an ideal choice for products with complex shapes, tight tolerances, high-volumes, or when only a handful of prototypes are needed for testing. All standard operations, such as turning, facing, boring, drilling, threading, tapping,

reaming, grinding, surface finishing, etching, bonding, and annealing, can be performed on virgin and filled PTFE materials (including glass and bronze filled PTFE) and other plastics. PTFE, or Polytetrafluoroethylene, products are highly wear resistant and durable, have high impact strength, an extremely low coefficient of friction and are usually lighter in weight than metal components. They can resist heat, moisture, chemicals and radiation.

The products shown in the image above are only a small sampling of the many, simple and complex, machined PTFE items we have manufactured. IPM-TEK can completely design, engineer and produce machined plastics. Or, produce to your drawing for prototype or production quantities, meeting or exceeding your specifications.

Listed here are some of the standard parts typically machined from PTFE:

- Dip Tubes and Spargers
- Envelope & Sanitary Gaskets
- Spacers, Bushings & Bearings
- Gears
- Valve Components
- O-Rings & Back-Up Rings
- Insulator Blocks
- Pump Impellers
- Packing Balls
- Ball Valve Seats
- Lantern Rings
- Skived / Bearing Tapes
- Tube Sleeves & Connectors
- Caps & Plugs
- Gaskets
- Custom Components

IPM-TEK can fabricate your custom plastic/PTFE component in almost any shape, drilled, threaded, tapered, perforated, tapped, etc. Give us a call and we can discuss how your next machined plastics project can become a reality.

Our PTFE products can be partially or fully etched to allow bonding to other surfaces.

[www.ipmtek.com](http://www.ipmtek.com)

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**IPM TEK**  
THE AMERICAN PTFE MANUFACTURER