

JACO

CUSTOM MOLDING



At JACO, we are all personally committed to meet, and driven to exceed our customers' expectations, while continually improving our Quality Management System and satisfying applicable requirements.

JACO Values



Quality



Teamwork



Accountability



Customer Service



Continual Improvement



Exceptional Molding Practices

Get to Know JACO

For over 70 years, JACO has continuously searched for ways to improve the production of plastic injection molded parts. In doing so, we've developed solutions through the use of new technologies, equipment, and products that have made solid contributions to the industry.

JACO's reputation has been built on excellent customer service, practical applications, experience, and innovative engineering. At JACO, we ensure the highest quality for all of our in-house mold design, tooling, and custom molded products. JACO's ability to mold small, close tolerance, complex parts in a wide variety of high performance engineering grades of resins makes us the best choice for your current and future projects!



Fittings

JACO Fittings have revolutionized the techniques of connecting plastic and metal tubes. JACO currently offers a full line of compression fittings in English sizing and we are continuing to work towards expanding our metric line sizing. JACO fittings are manufactured in four different grades of plastic resins for a range of applications that perform under various temperatures, liquids, and other chemicals.


Bushings

JACO offers bearing grade flanged and straight walled nylon bushings, washers, and collars used for friction, and wear applications that require friction contact with mating metal surfaces. Nylon bushings exhibit low friction, requires no lubrication, and are great for applications that require superior mechanical properties. Nylon is quiet in operation, resists abrasion, and wears at a low rate.

Custom Molding

Developing the right injection molded part to satisfy your company's needs can prove to be a difficult task. At JACO Manufacturing, we offer the solution to custom molded, close tolerance plastic parts. We take your ideas from 2D drawings and 3D models to finished, high quality parts, all through JACO's US based operation. Continue reading to learn more about JACO's current capabilities!





JACO Manufacturing has over 40 machines in our 60,000 square foot manufacturing facility, which provides the needed flexibility for short or long production runs in small or large volume production requirements. With a shot size up to 20 ounces, JACO can provide molded prototypes, over-molding, and insert molding. We also have the capabilities to provide assembly services and secondary services.

Production Equipment and Software:

40 Ton Rotary Injection Molding Machine (1)

50 Ton Vertical Injection Molding Machine (33)

75 Ton Horizontal Injection Molding Machine (7)

110 Ton Horizontal Injection Molding Machine (1)

150 Ton Horizontal Injection Molding Machine (2)

180 Ton Horizontal Injection Molding Machine (1)

375 Ton Horizontal Injection Molding Machine (2)

DELMIAWorks Software

Production Machinery

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Sales@jacomfg.com 1.800.229.JACO (5226)

Support Services

JACO Manufacturing provides full program management and moldability engineering services on all projects for the convenience of our customers. With our unique in-house tooling support and fully integrated quality system, the JACO team is ready to provide a full cross functional team approach on all projects from prototypes to long term production!

Industries Served

Aerospace

Automotive

Consumer

Electronics

Food Service

Industrial

Plumbing

Current Molding Specialities

Close Tolerance

O-Ring Grooves

Internal Threads

External Threads

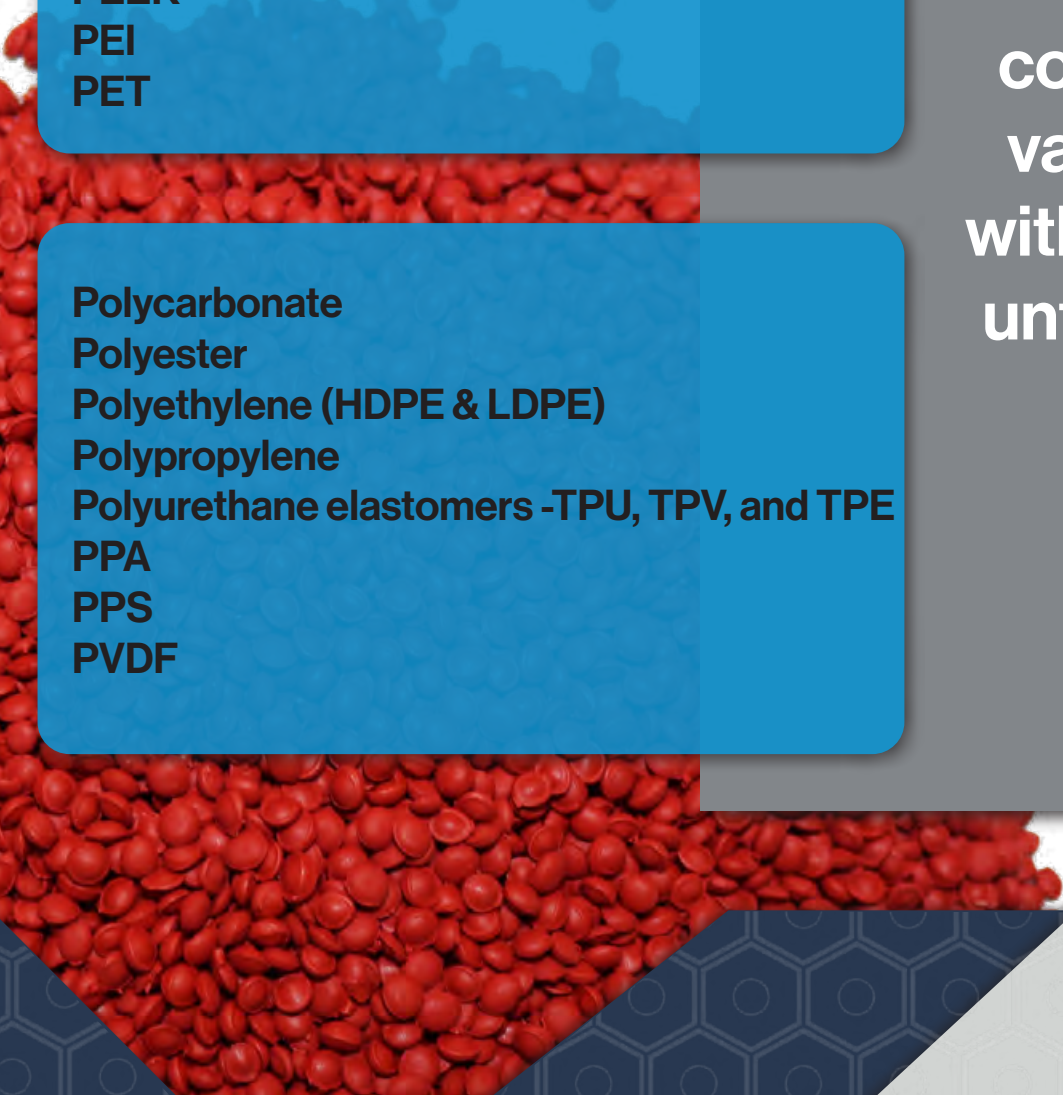
Seal Surfaces

Snap Fits





Resins



ABS
Acetal
Acrylic
Nylon 6, 6/6, 6/12
Nylon/ABS Blend
PC/ABS Blend
PEEK
PEI
PET

Polycarbonate
Polyester
Polyethylene (HDPE & LDPE)
Polypropylene
Polyurethane elastomers -TPU, TPV, and TPE
PPA
PPS
PVDF

JACO has extensive experience in a wide range of thermoplastic materials and can mold plastic components in a variety of colors with both filled and unfilled materials.

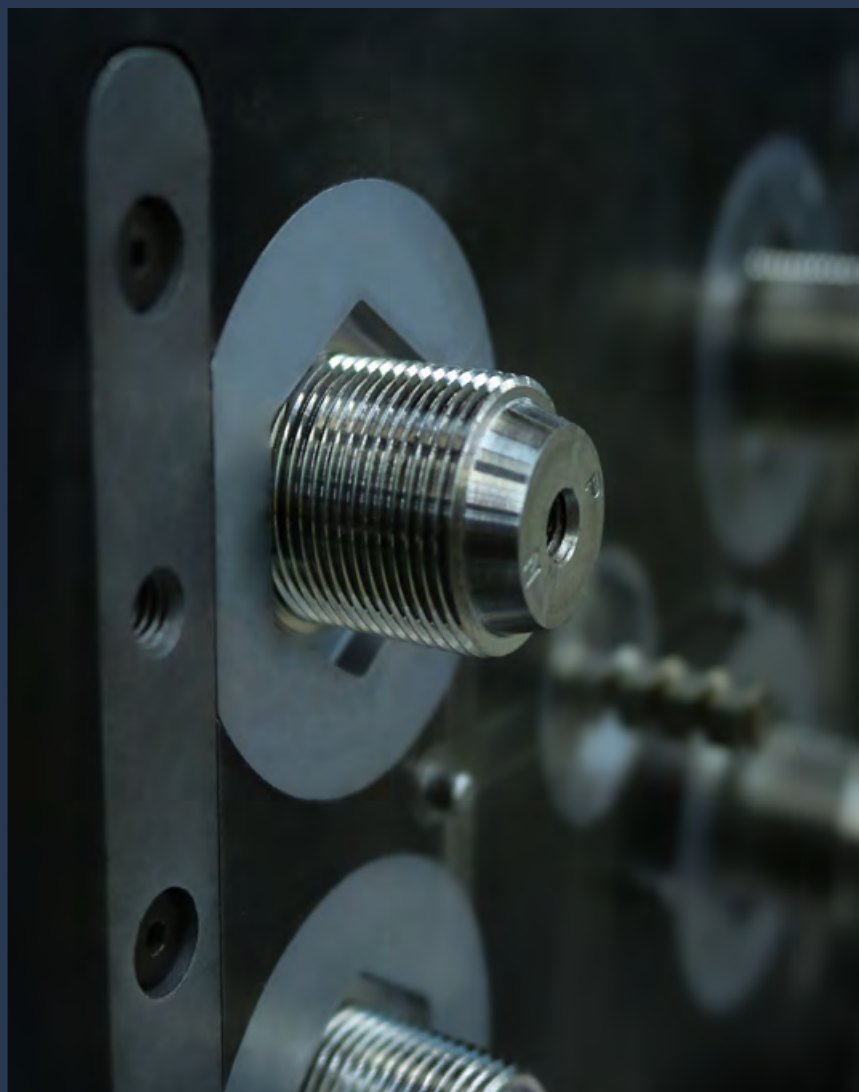
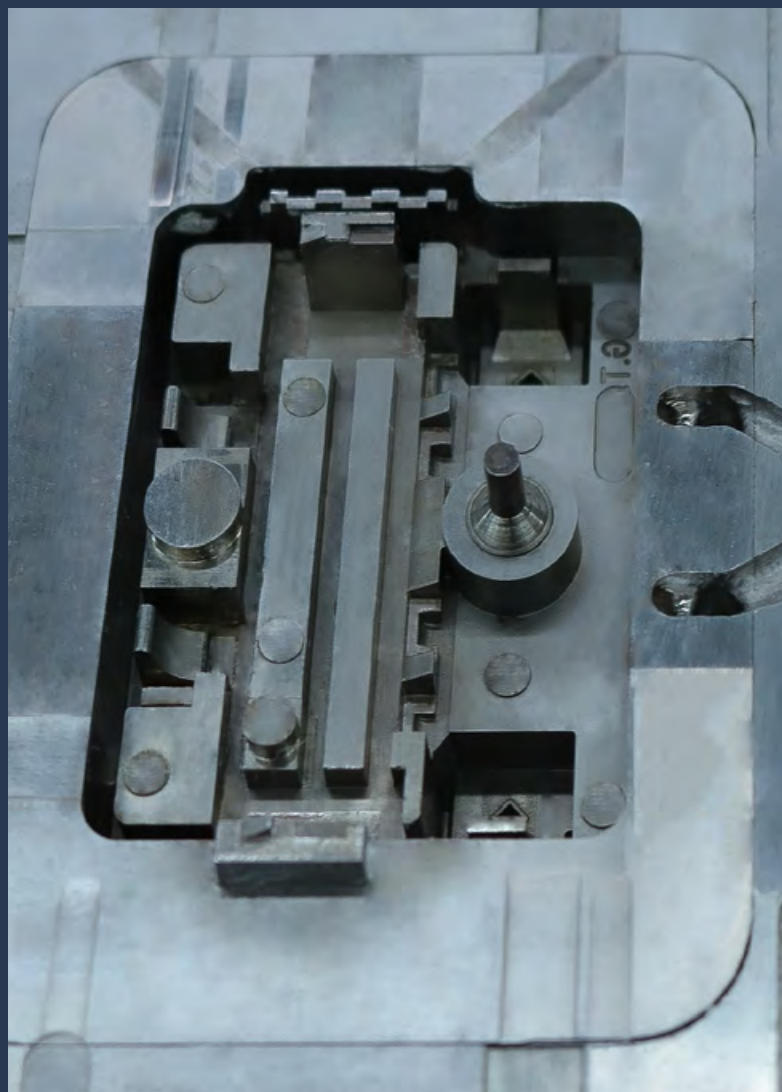
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Toolroom

JACO Manufacturing was founded by a Toolmaker and has an extensive understanding of tooling and the knowledge necessary to tackle complex molding applications far exceeding the average molder. JACO's toolroom is staffed 24/5 with a qualified team of skilled Toolmakers and a full range of equipment. In order to best serve all customer challenges, we work with a variety of domestic and international sources for tooling to provide pricing options for all types of projects. To help satisfy the shortage of skilled labor, JACO continues the tradition of apprenticeship in the manufacturing industry by partnering with the State of Ohio and local colleges for our internal apprenticeship program. In order to continue serving our customer base, JACO is determined to pass down the knowledge and skills for many generations to come.

- ▶ Clausing Metosa MC1760 CNC Lathe (1)
- ▶ Makino S56 3 Axis CNC Milling Machine (1)
- ▶ Harrison M400 Lathe (1)
- ▶ Laser Welding Machine(1)
- ▶ Promax LG1440 Lathe (1)
- ▶ Sinker EDM (3)
- ▶ Bridgeport Milling Machine (8)
- ▶ Wet Bed Surface Grinder (1)
- ▶ Surface Grinder (5)
- ▶ Moore Jig Grinder (1)
- ▶ Dual Head 5/5 Ton Over Head (1)
- ▶ Starrett HB350 Optical Comparator (1)
- ▶ KH Huppert Heat Treat Oven (1)
- ▶ Pacific Draw Oven (1)
- ▶ Kalamazoo Wet Horizontal Band Saw (1)
- ▶ Powermatic Vertical Band Saw (1)
- ▶ Solid Works CAD Software
- ▶ Gibbs Cam CAM Software
- ▶ Inventor 3D/ CAD Software



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Quality

JACO offers levels 1-4 PPAP on all custom molded parts to meet requested quality standards. During production, JACO will follow an approved control plan in order to guarantee quality in every shipment.

Equipment Utilized:

- ▶ **Hexagon 4.5.4 CMM with PH10T Head (1)**
- ▶ **Flow Meters (6)**
- ▶ **Starrett HB350 Optical Comparator (2)**
- ▶ **Mitutoyo OH350 Optical Comparator (1)**
- ▶ **Air Flow Testing Station (1)**
- ▶ **PCDMIS Software**

To ensure top performance from all of our products, we utilize a continuous improvement philosophy in all of our systems throughout the organization. Our unique in-house capabilities are your assurance of quality parts, timely service, and competitive pricing.



Thank you for taking the time to review our capabilities. We look forward to the opportunity of working with you. If you need any assistance with a quote, or have any other questions about our services, please feel free to contact us at the information provided below.



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