



***Precision Components***

*High Performance*



## *Who we are*

*Founded in 1934, Ensinger Precision Components is a division of Ensinger Industries, a global supplier of high performance polymers offering multiple fabrication solutions throughout the U.S. and the world.*

*Enginger Precision Components, located in Putnam Connecticut offers injection molding services of engineering and high performance thermoplastic components and stock shapes.*

## *Injection Molding*

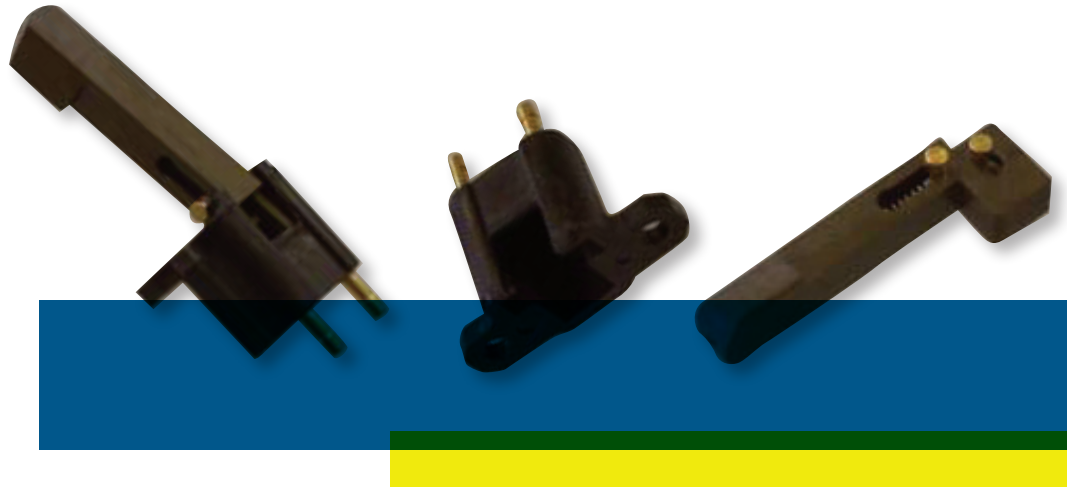
- Injection Molding Machines 40 to 500 Ton
- Hydraulic, Hybrid Electric and All Electric
- 3 Axis Robots
- Shot Sizes .5 oz. to 80 oz.
- Insert Molding
- Over-Molding
- Temperature and Humidity Controlled Mold Vault
- Sprue Pickers, Robots, and Custom Automation
- Manual and Automated Post Mold Assembly
- Process Qualification and Control
- Close Tolerance/Precision Molding
- Dryer Equipped Presses
- Centralized Dryer Banks
- Annealing and Post Cure Ovens



## *Advanced Manufacturing*

- CNC Machining of “Near Net” and Stock Shapes
- 3 and 5 axis capabilities
- Lathes with live tooling
- Component Assembly Services
- Drilling, Tapping, Reaming, Milling
- Ultrasonic Welding
- Stock Shape Molding to Support Material Testing
- Lab Services to Support ASTM Testing
- CMM Steel Validation
- Tool room to support mold management, maintenance and modifications

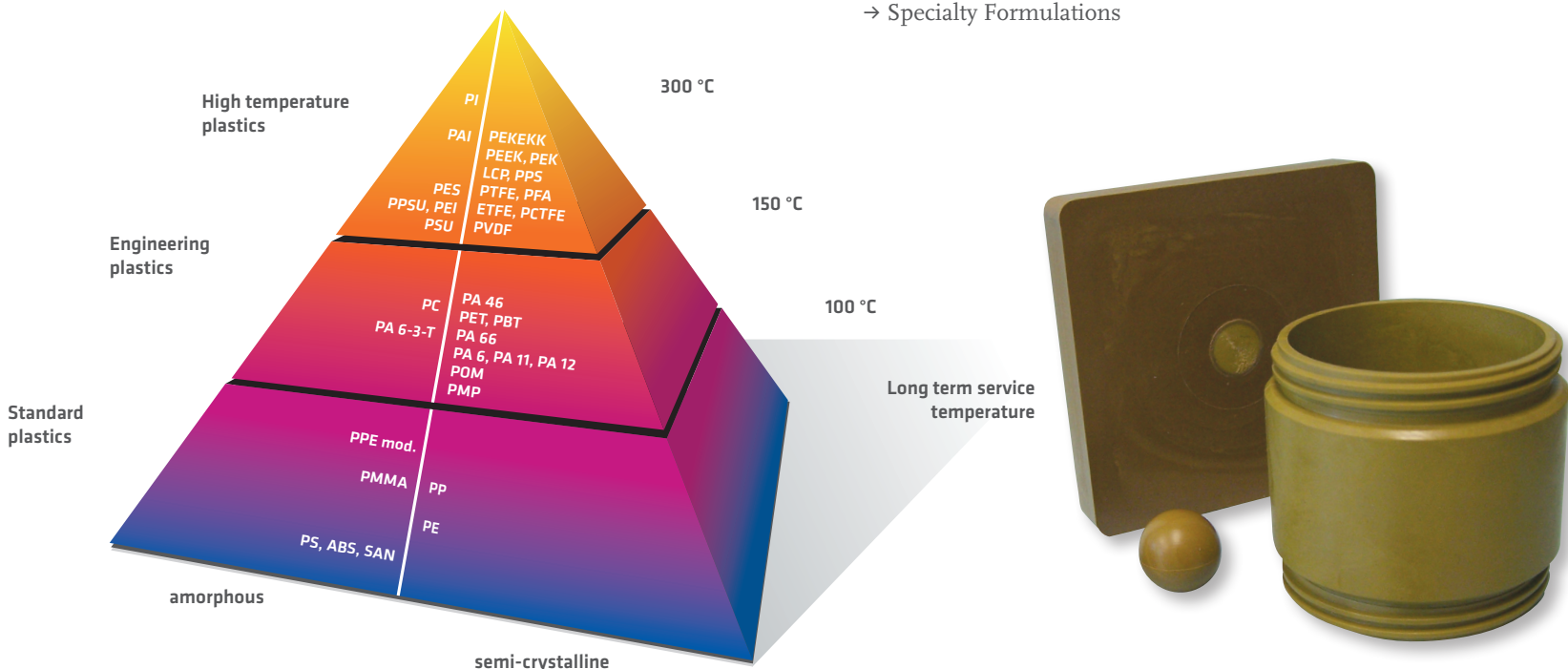


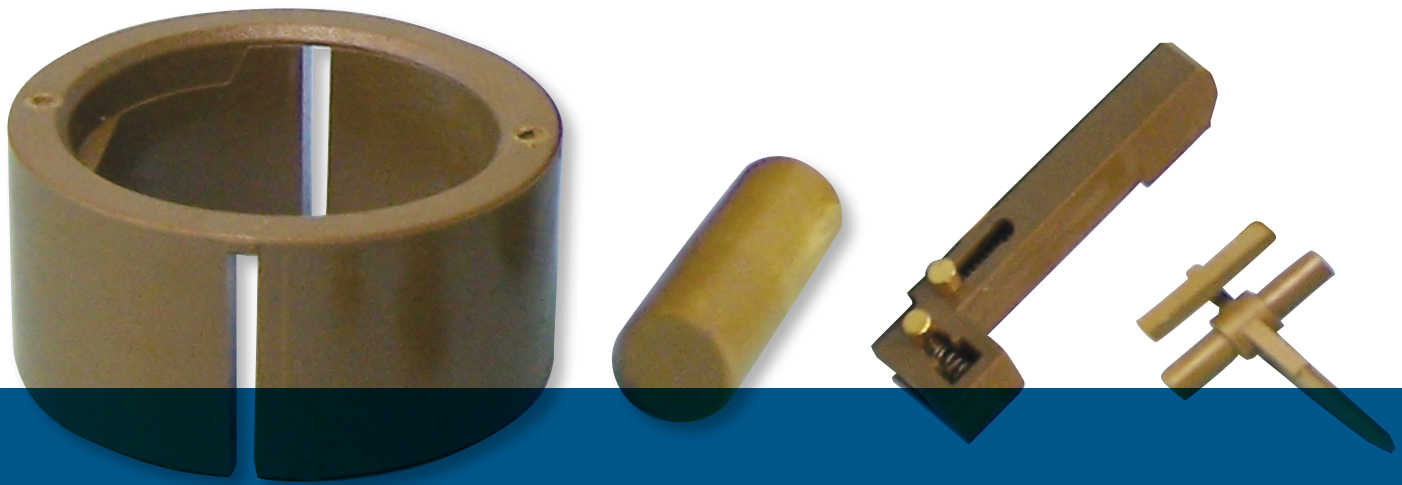


## Materials

High performance thermoplastics are grouped separate from the engineering thermoplastics because they have extraordinary properties including; High Strength, Temperature, Impact Toughness, Dimensional Stability, Chemical Resistance, Fatigue Resistance and Low Flammability.

- TECAPEEK® st
- Aurum® - PI
- Celazole® - PBI
- PEEK®
- Torlon® - PAI
- Xydar® /Zenite® - LCP
- Ultem® - Extem® - PEI
- Udel®/Radelv - PSU
- Ryton®/Fortron® - PPS
- Zytel®/Grilamid® - PA
- Specialty Formulations





## PEEK Tubes

Injection molded and DCMS PEEK Tubes  
 OD's from 1.25" to 12.25" in lengths 3" and 6"  
 Materials include wide range of standard and specialty PEEK compounds as well as low spring glass filled for split seal applications

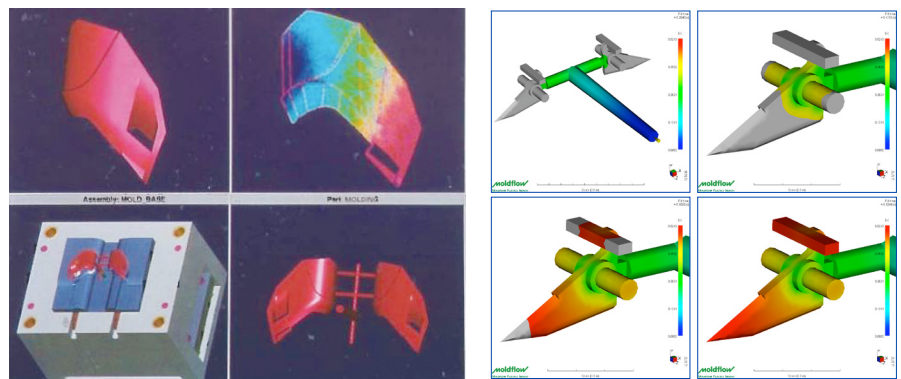
## Stock Shapes

→ Tubes, Rods, Discs, Flats and Bushings



## Engineering Services

- Part Design Collaboration
- Mold Flow Analysis
- Advanced Process Development and Scientific Molding
- Material Selection Analysis
- Mold Build Project Management
- Solidworks
- File Formats: igs, .dxf, .dwg, .prt, .stp, .stl, parasolid
- Robust NPI System

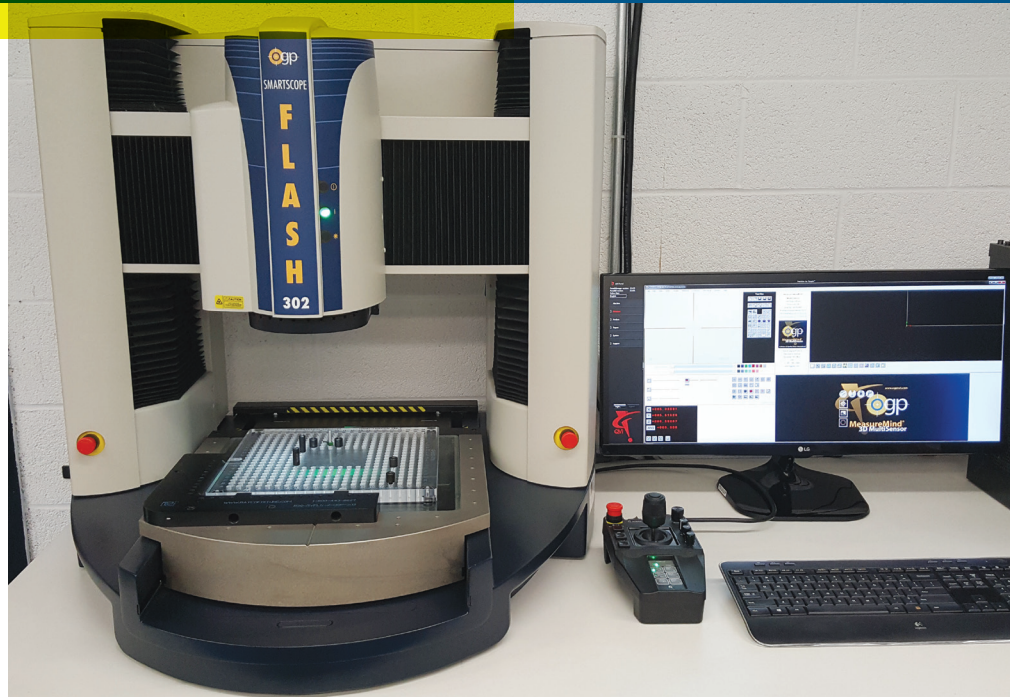


## Quality Assurance

- ISO Registered
- Mil-I-45208A
- UL Listed
- Total Quality Management and Continuous improvement Programs
- PPAP Capability

## Specialized Equipment

- Specialized Screws and Barrels for Higher Temperatures and unique materials
- Steel to withstand high heat, corrosion, abrasion and expansion
- Five Programmable Cure and Crystallizing Ovens with Recordable Output and centralized data collection
- Anneal and Cure Cycles up to 30 days
- Barrel Temperature Controllers (800 degree F)
- Desiccant Dryers (380 degree F)
- Hot Oil Mold Temperature Controllers to 600 degree F



*Plastock® Mechanical Drive and  
Conveyor Components*

→ Please visit [www.plastockonline.com](http://www.plastockonline.com)  
to view our standard products and to order



**Ensinger Precision Components, Inc. - Custom injection molded components, mechanical drive and conveyor components, PEEK Tubes and stock shapes**

*Sales and Manufacturing:*  
11 Danco Road  
Putnam, CT 06260  
(860) 928-7911  
(800) 752-7865 Sales  
(860) 928-2229 Fax

**Ensinger, Inc. - Extruded and cast stock shapes; sheet, rod and tube**

*North American Headquarters:*  
365 Meadowlands Blvd.  
Washington, PA 15301  
(724) 746-6050  
(800) 243-3221 Sales  
(800) 869-4029 Technical Service  
(724) 746-9209 Fax

**Ensinger Penn Fibre, Inc. - Extruded thin gauge sheet, coil, strip and punched parts**

*Sales and Administration:*  
2434 Bristol Road  
Bensalem, PA 19020  
(215) 702-9551  
(800) 662-7366 Sales  
(215) 702-9552 Fax

**Ensinger Special Polymers, Inc. - Compression molded shapes and parts**

*Sales and Manufacturing:*  
12331 Cutten Road  
Houston, TX 77066  
(281) 580-3600  
(281) 580-3608 Fax

**Ensinger Grenloch, Inc. - Extruded profiles**

*Sales and Manufacturing:*  
1 Main Street  
Grenloch, NJ 08032  
(856) 245-9314 Sales  
(609) 784-7944 Fax  
(856) 227-0500

## **Ensinger Precision Components, Inc. A Subsidiary of Ensinger**

11 Danco Road • Putnam, CT 06260  
Phone: 860-928-7911  
Toll Free in the US: 800-752-7865 • Fax 860-928-2229

*Thermoplastic engineering and high-performance plastics from Ensinger are used in every important sector of industry today. Their economy and performance benefits have seen them frequently replace classically used materials.*

