

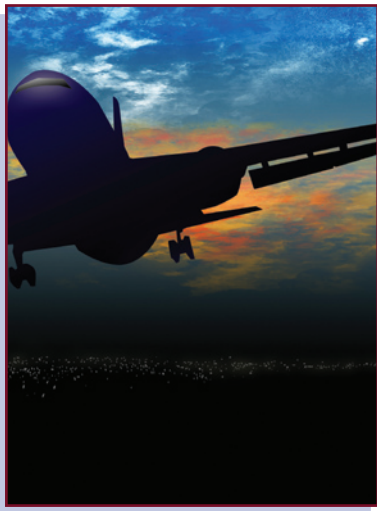
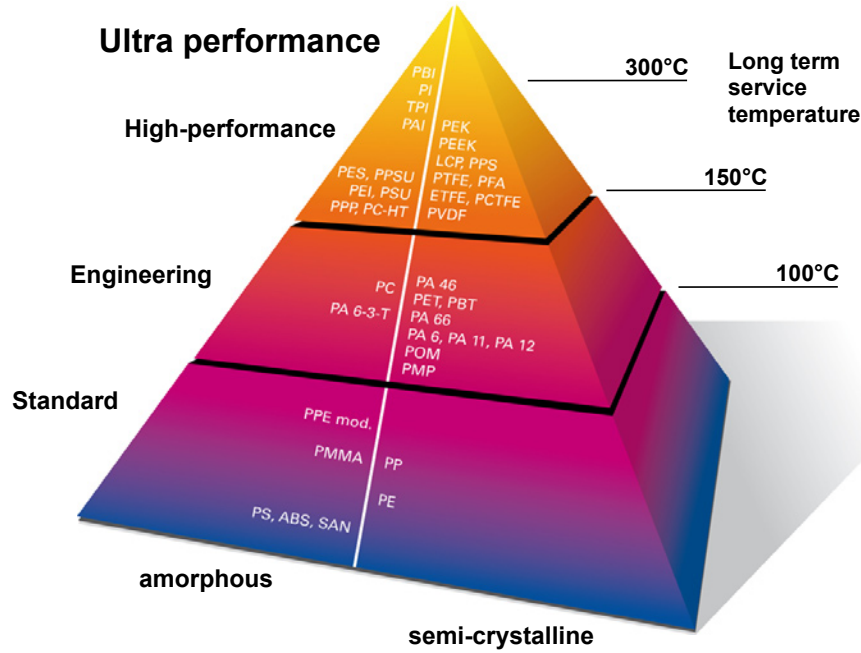


ENSINGER 
Putnam Precision Molding
ASK. THINK. SUCCEED.

OUR *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®/Radel® - PSU
- Ryton®/Fortron® - PPS
- Zytel®/Grilamid® - PA



OUR *Markets*

- Industrial
- Aerospace / Defense
- Medical
- Business Equipment
- Oil Field and Energy
- Fluid Handling and Sealing
- Friction and Wear
- Semiconductor
- Food Processing



HIGH PERFORMANCE



OUR *Injection Molding*

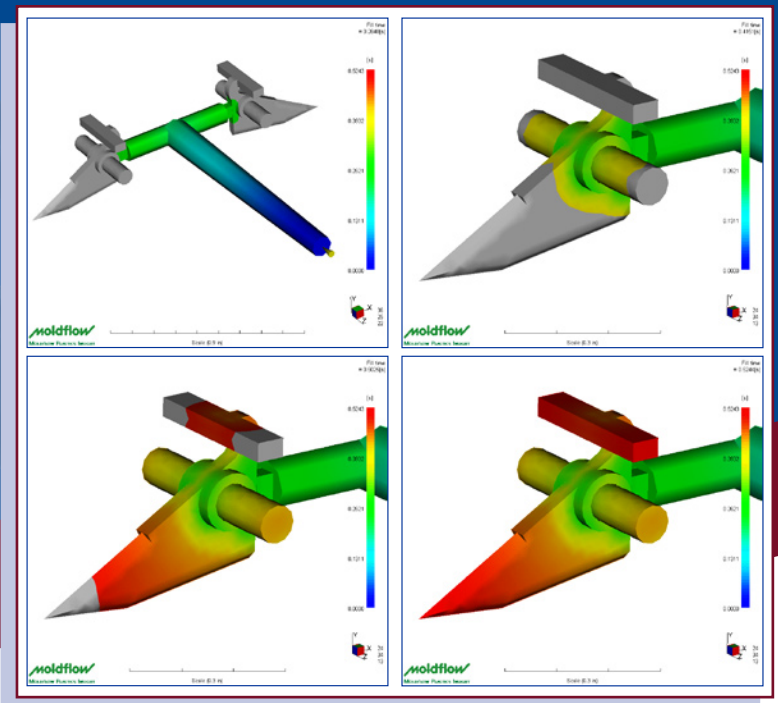


- 26 Injection molding presses from 40 to 500 tons
- Hydraulic and Electric Hybrids
- .5 oz. to 80 oz. capacity
- Vertical Insert Molding
- Fully insured, temperature and humidity controlled mold vault
- Sprue pickers and custom automation
- Process validation and control

OUR *Value Added Services*

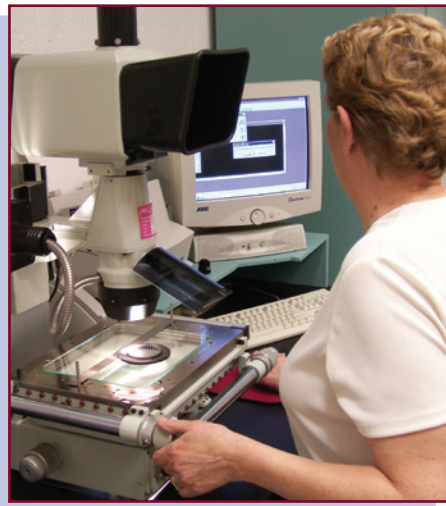
- Finish Machining of 'Near Net' Shapes
- Component Assembly Services
- Drilling, Tapping
- Sonic Welding
- Tensile Testing
- Compression Testing
- CMM Steel Verification
- Tool room to support mold management, maintenance and modifications





OUR *Engineering Services*

- Design for Manufacturing Services
- Moldflow Analysis
- Part Design Analysis
- Material Selection Analysis
- Solidworks
- File formats: igs, .dxf, .dwg, .prt, .stp, .stl, parasolid
- Internal Tool Design
- Advanced Process Engineering



OUR *Quality Assurance*



- ISO Registered
- Mil-I-45208A
- UL Listed
- Total Quality Management & Continuous Improvement Programs
- Statistical Process Control

OUR *Specialized Equipment*

- Specialized Screws and Barrels
- Steel to withstand high heat, corrosion, abrasion and expansion
- Three (3) Programmable Cure and Crystallizing Ovens with recordable output
- Current cure cycles running 18 hours to 17 days
- Barrel Temperature Controllers (800°F)
- Desiccant Dryers (380°F)



Stock Shapes

- Tubes, Rods, Discs, Flats and Bushings



Who we are

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

Ensinger Putnam, located in Putnam Connecticut offers injection molding services of engineering and high performance thermoplastic components and stock shapes.

Plastock® Mechanical Drive and Conveyor Components

- Please visit www.plastock.biz for more information



PUTNAM PRECISION MOLDING, INC. A SUBSIDIARY OF ENSINGER INDUSTRIES

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