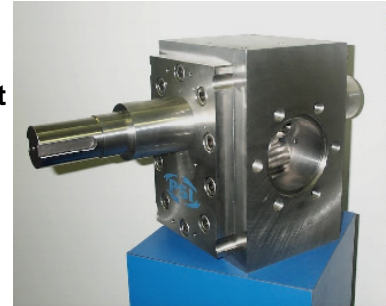




# Extrusion Gear Pump (EGP)

PSI combines over fifty years of design, engineering, and manufacturing in the production of Extrusion Gear Pumps. The EGP is a rotary volumetric pump utilizing precision ground gears to provide precise metering and constant pressure. Precise displacement ensures accurate output while providing lower shear stress, lower energy consumption, lower processing temperatures, and higher output rates. The EGP is capable of processing highly filled materials, fractional melts, recycled materials, and highly viscous materials. PSI also supplies gear pumps for chemical, injection, and additive applications.



## Features

- Through hardened tool steel gears
- Compact / Low profile design
- Leak-free operation to 5,000 psi
- All parts manufactured to ISO-9002 standards
- Process temperatures to 850° F
- Interchangeable parts with most gear pumps
- Heavy duty construction
- Transducer ports integral to housing

## Benefits

- More accurate gauge control
- Increased output rates
- Faster start-ups
- Lower processing temperatures
- Reduced scrap
- Increased life on extruder screw & barrel
- Lower energy consumption
- Lower shear stress

## Applications

- Sheet
- Coating
- Pipe and profile
- Compounding
- Wire and cable
- Tubing & profile
- Underwater and strand pelletizing
- Blown film and cast film
- Lab lines
- Textile (fibers and nonwovens)
- EVA, Hot-melt adhesives and PSA
- High pressures
- PVC and other highly corrosive materials
- Degradable materials

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