



**QUALity**

**Precision**

**Engineered**

**Components**

A division of National Bearings Co.

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# Component Manufacturing Capabilities

- Stampings and Formed metal components
- Injection molded and Machined plastic components
- Turned and Machined metal components
- Assemblies
- Prototypes and small volume runs
- Military and Government contracting
- Medical device components



# Metal Stampings

- Complex formed and stamped components
- Thicknesses from .002” to .250”
- Forms from .070” to 12” wide
- Tolerances to +/- .0005”
- Experts in converting machined components to stampings
- Extensive finishing services available including heat treating, anodizing, plating, passivating and powder coating
- Carbon steels, stainless steel, brass, bronze, titanium, medical grade materials



# Plastic Components

- Injection molded, insert molded and machined components
- Thermoplastics including nylon, acetals, TPU, TPE, and glass filled composites
- Cincinnati Roboshot and Newbury molders ranging in size from 30-200 tons. Shot sizes from .6 oz to 9 OZ.
- Component sizes from ½” to 10” long
- Tolerances to +/- .002”
- Inserts for molding can be manufactured in our stamping and turning/machining departments
- Robotic loading and unloading for high volume production
- Our tool room can build scaleable tooling to meet pilot/low volume production



# Turned and Machined Components

- CNC turned components up to 8" diameter
- Machined components up to 18 inches square.
- Ideal for prototype and short run volumes
- Extensive secondary capabilities available
- Stainless steel, brass, bronze, aluminum, titanium, Kovar, carbon steels etc.
- Screw machined precision components from 1/8"-1 5/8" diameters up to 6" long
- Screw machine tolerances to +/- .0015"
- Cost effective solutions for quantities as low 1000 pieces
- 11 Acme screw machines 1" to 1 5/8"
- 11 Davenport 3/4" screw machines



# Assembly services

- Robotic assembly
  - Highly effective for part orientation and automatic packaging
- Fully automated assembly machines
  - High volume intricate subassemblies with up to different components
  - Up to 2”square assemblies
- Hand assembly for prototype and small run volumes
- Assembly processes
  - Riveting
  - Radial forming
  - Crimping/swaging
  - Adhesive bonding
- Sub-assembly fabrication
- Machine vision inspection for components and assemblies



# Military/Government Contracting

- Experienced in application of Mil Standards including
  - Mil Std 129
  - Mil Std 130

Cage code: 76620

We are a woman owned business and work closely with the Susquehanna Association for the Blind and Vision Impaired. We can help meet set aside contract requirements.