



PREFERRED
TOOL AND DIE, INC.
PREFERRED PRECISION



WELCOME TO PREFERRED

Preferred has engineered simpler, more efficient methods to deliver complex, high-precision custom metal solutions.

Preferred provides end-to-end manufacturing solutions across five core areas:

Tooling

Complex
progressive
tooling

Stamping

Thin-gauge
steel stamping

Machining

Precision multi-
faceted CNC
machining

Production

Flexible primary
and secondary
production

Development

Prototype to
production
development



ABOUT US

We are a group of companies dedicated to manufacturing excellence, innovation, and long-term business continuity. Through strategic expansion, we have built specialized divisions to serve diverse industrial needs with leading-edge technology and deep technical expertise.

- **PREFERRED Tool and Die** - Founded in 1983 with over 40 years of engineering expertise. We design and develop premium, long-lifecycle tooling engineered to reduce total cost of ownership.
- **PREFERRED Precision** - To expand our technical capabilities, we acquired our precision CNC machining operations in 2001. Our Precision division delivers high-tolerance, custom-machined components with exceptional accuracy.
- **PREFERRED Automotive Components (PAC)/ Stampings** – Preferred Automotive Components (PAC) is a U.S.-based supplier of brake shims, wear sensors, and caliper hardware, serving the North American aftermarket and OE sectors since 2013. As a division of Preferred Tool and Die, PAC draws on decades of tooling and stamping expertise with a focus on brake system innovation.



INDUSTRIES

We support a diverse range of industries with high-quality, scalable, and cost-efficient production services. Working seamlessly with OEMs, Tier 1 procurement professionals, and engineering teams. We deliver custom-engineered components that satisfy the most rigorous industry and delivery expectations.

- Medical – Surgical, Optical, Orthopedics, and Diagnostics
- Automotive
- Smart Energy
- Fluid Systems
- Electronics
- Aerospace/Defense
- Appliance
- Consumer Products
- Marine
- Communications
- Contract Manufacturing
- Contract Molding
- Sensor/ Controls
- Power Tools



FACILITIES



- 20,000 + sq ft of precision machining facilities
- In-house engineering team and CNC machining staff
- Prototypes to Production
- ISO 13485 and ISO 9001
- FDA Registered



📍 Shelton, CT



- 30,000 + sq ft production stamping facility
- Expert staff of set-up mechanics and operators
- In-house engineering team
- Production Process employs flexible production
- ERP system (scheduling & inventory management)
- Accurate Delivery including JIT & Kanban



📍 Shelton, CT



CORE CAPABILITIES

Preferred Tool & Die

- Tool Design & Build
- Tool Room Milling & Turning
- EDM
- Jig Boring

Preferred Precision Machining

- CNC Milling & Turning
- CNC Swiss Type Turning
- Thin Gauge (+.002")
- Tolerance Range (+/- .0001")

Preferred Production Stamping

- 40+ Stamping presses
- 22 Ton ~ 300 Ton
- Annual volume +34 million

Secondary Operations

- Inspection
- Cleaning & Finishing
- Welding
- Riveting
- Honing
- Tapping
- Grinding
- Heat treatment
- Automated and Manual Assembly
- Pre/Post Plating
- Drilling



MATERIALS

We work with a broad selection of metals, plastics, and engineered materials to support application-specific performance, durability, and production requirements.

Metals

- Aluminum
- Brass & Copper
- Stainless Steel
- Cold Rolled Steel (CRS)
- Titanium
- Kovar
- Cobalt Chromium
- Laminated Metal

Plastics & Composites

- PEEK
- Delrin
- Kevlar
- Ultem



GALLERY



Connection Housing



Endoscope Housing



Tilt Lever



Abutment Clip



Razor Blade Holder



Linkage Support



Outlet Bridge



Base Screw

GALLERY



GALLERY



GALLERY



GALLERY



PREFERRED TECHNICAL ONBOARDING AND COLLABORATION

We focus on reducing manufacturing complexity, driving down costs, and accelerating time-to-market for our partners. Deploying dedicated engineering expertise from day one.

- **Detailed Needs Analysis:** Evaluating technical prints and material constraints.
- **Expectation Alignment:** Establishing mutual benchmarks for quality and lead times.
- **Comprehensive Communication Plan:** Setting up transparent touchpoints and dedicated engineering contacts.
- **Full Project Review:** Conducting a final, rigorous evaluation before launching production.

Our Impact

By executing this structured onboarding framework, we actively de-risk your supply chain and make the supplier qualification process seamless and easy.





PREFERRED Automotive Components manufactures **disc brake shims** engineered to mitigate one of the industry's primary challenges: **Noise, Vibration, and Harshness (NVH)**.

Advanced Product Capabilities

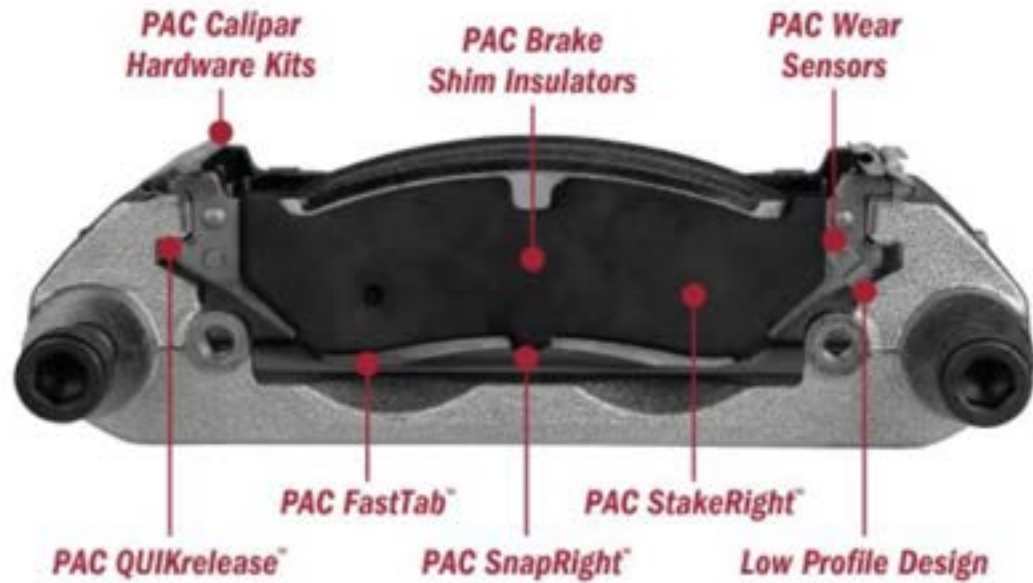
- **Acoustic Excellence:** Specialized stamping of adhesive materials proven to dampen noise and vibration for the brake industry.
- **Optimized Part Coverage:** Multi-D reference coverage consolidated under a single part number.
- **Precision Geometry:** Zero rollover on pierced holes or the outside shim shape, ensuring a flush, high-integrity bond to the backing plate.
- **Integrated Features:** Fully compatible with industry-standard Fast Tab and Stake Right configurations.

Manufacturing & Supply Chain Advantages

- **Unmatched Experience:** The aftermarket's most experienced manufacturing partner for dedicated disc brake shim production.
- **High-Flexibility Production:** Made-to-order system supporting up to 6 rapid tooling changeovers per machine daily.
- **Agile Program Delivery:** Rapid turnaround to customize and launch new shim programs tailored precisely to client timelines.



DRIVING THE FUTURE OF BRAKE COMPONENT MANUFACTURING



Preferred Automotive Components is a proud member of:



Brake Manufacturers Council



PREFERRED

OUR PROUD PARTNERS



Medtronic

