



Nifty-Bar, Inc. provides abrasive waterjet machining services for production of precision blanks, near net shape parts, and completely finished components in prototype through production quantities.

Waterjet Technology

Abrasive waterjet machining uses a very high pressure stream of water and garnet particles to cut through materials without heat. This technology offers many benefits in comparison to alternative technologies such as flame cutting, plasma cutting, laser cutting, or conventional machining. For producing component parts, these benefits include:

- Capability to make a single part or thousands of parts as needed
- Reduced material costs through narrow kerfs and part nesting
- No thermal distortion or hardening
- Minimum part stress
- Elimination of tooling and fixtures
- Smooth finished edges
- Ability to cut hardened materials
- Ability to cut highly reflective materials
- Reduction or elimination of secondary operations
- Environmentally friendly process
- Capability to self pierce start holes

Maximum Material Flexibility

Nifty-Bar, Inc. can produce products in aluminum, cast iron, composites, copper, glass, plastics, rubber, stainless steel, steel, titanium, and many other types of materials. We can provide traceable raw materials and blanks to your exact specifications through our network of qualified suppliers. We can also process customer supplied blanks, castings, forgings, and weldments.

Our abrasive waterjet machining equipment provides a 72" x 144" cutting envelope. Tolerances of up to ± 0.005 " can be achieved with minimal taper.

Finishing Operations

Nifty-Bar, Inc. can provide deburring, tumbling, bead blasting, heat treatment, cleaning, plating, and many other types of post processing or finishing operations as required for your products.

Contact Us

Call Nifty-Bar, Inc. today to discuss your applications in detail and put our abrasive waterjet machining services to work for your company.

