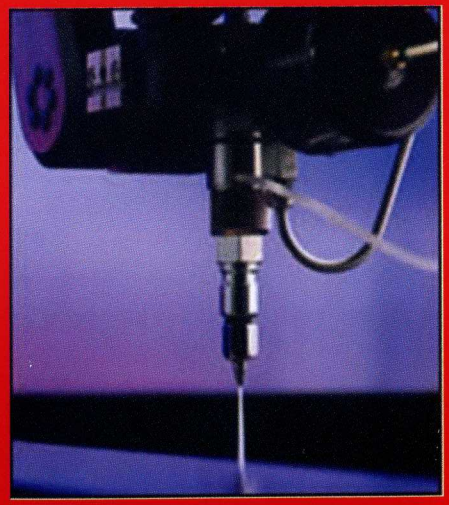
Waterjet

Waterjets cut with a supersonic stream of water so powerful it can cut through materials in one pass without shredding or crushing them.

Waterjet machining uses a stream of water, pressurized at 50,000 PSI, and forced through a .014" diameter diamond orifice. The resulting jet, traveling at 1,700 feet per second, more than twice the speed of sound, is driven by computer to precisely cut the desired geometry.

Waterjetting is the most flexible and cost-effective cuttting solution available today-giving you a precise and accurate cut while eliminating heat-affected zones, toxic fumes, work hardening, and thermal stress.



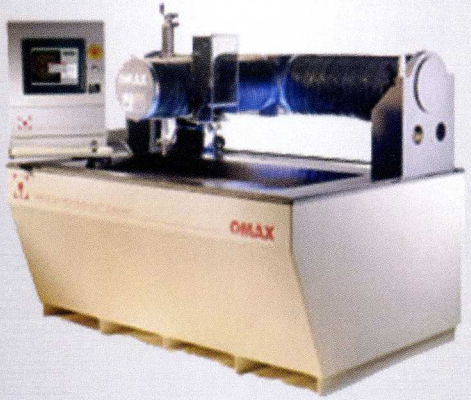
Contact Us Today

1198 Mulberry Street
Beaver, PA 15009
724.630.1976

info@roprodesign.com

RPD

WATERJET



Prototyping
Small Lot Production
Custom Parts & Gaskets

www.roprodesign.com

Our capabilities include not only machine services but engineers with the experience and expertise to advise you as to what will be the most cost-effective method of producing your part.

Get Started

We need 1 of 3 things:

- CADD File
- Dimensional Drawing
- Simple Hand Sketch

What We Cut

Steel	Glass
Aluminum	Rubber
Copper	Wood
Brass	Ceramic Tile

How Big

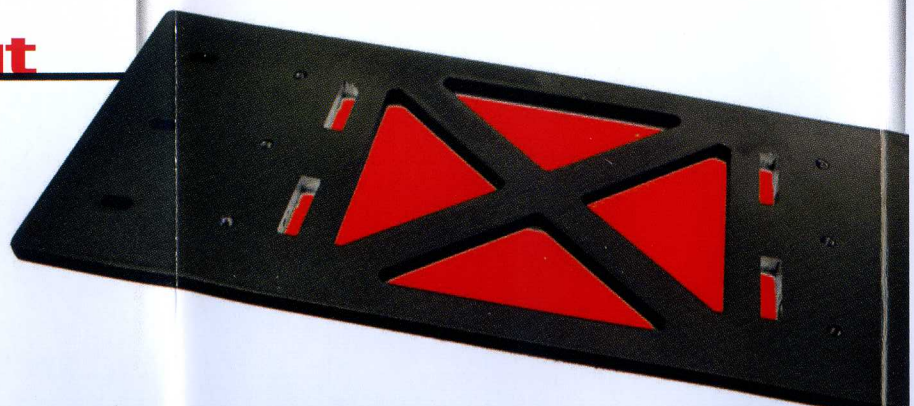
The largest part size we can put in our machine is 30" by 52", weighing up to 2000lbs. In certain cases, we can cut larger parts.

How Thick

Depending on material type we can cut parts .010" to 2" in thickness.

How Accurate

Tolerances of +/-.003" are common on smaller machined parts. In certain instances, we can hold tolerances of up to +/-.001". Tolerance is dependant on part height and surface finish required. Our Omax 2652 is one of the most accurate waterjets on the market.



Value-Added Services

- Assembly
- Design/Engineering
- Fabrication
- Powder Coat
- Sandblasting
- Welding
- Small Lot Production

Industries We Service

Aerospace	Marine
Architectural	Military
Automotive	OEM Parts
Manufacturing	Textile