WATERJET CUTTING

This cutting edge technology allows us to cut a variety of materials, ranging from 1/16 inch to over 13 inches thick, with ease. This machine is ideal for many of our nuclear customers, as it reduces the need for multi-piece construction and the use of welding to conjoin materials. Ultimately, waterjet cutting allows for high quality parts at significantly lower prices.

Our waterjet cutting machine, one of the largest on the market, has four heads, speeds faster than standard tables and is capable of cutting pieces 16 feet wide by 40 feet long. We can load the machine with four 8 feet by 20 feet sheets and cut with one to four heads, depending on what is most effective for the part size. Twelve inches of Z-axis travel allows for cuts of very thick plates, as well as cuts of formed parts.

THE BENEFITS OF WATERJET CUTTING:
- Cutting tolerances as close as +/- .005
- Burr-free parts
- Low contact force of the cutting stream
- High positional accuracies of +/- .003
- No heat affected zones (HAZ)
- Cutting of almost any material
- Small kerf width to allow tight nesting and optimal material usage
- No distortion or warping of materials

SINCE ABRASIVE WATERJET CUTTING UTILIZES A HIGH VELOCITY, STEADY STREAM OF WATER, IT CAN BE USED TO CUSTOM CUT MOST MATERIALS, INCLUDING:
- Stainless Steel • Carbon Steel
- Phenolic • Ceramic Tile
- Acrylic • Titanium
- Foams • Copper
- Aluminum • Brass
- Ceramics • Hastelloy
- Armor Plate • Wood
- Marble • Silicone
- Kevlar • Plastics
- Granite • Armor Plating
- Rubber • UHMW
- Glass • Laminates
At Owen Industries, we are proud of every job we do and we welcome the opportunity to work with you.