

## What is a Waterjet Machine?

A waterjet machine is a powerful tool that uses a high-pressure stream of water to cut through materials with incredible precision. It can also mix the water with abrasive particles to cut through tougher materials like metals and stone.

## How Does It Work?

1. **High Pressure:** The machine pumps water at extremely high pressures—up to 60,000 psi. This creates a thin, focused stream that can slice through materials.
2. **Abrasive Cutting:** For harder materials, we mix abrasive particles with the water. These abrasives enhance the cutting power, allowing us to cut through metals, ceramics, and other tough materials effectively.
3. **Precision and Versatility:** The waterjet can cut very intricate shapes and designs with high accuracy. It can handle a wide range of materials, including metals, glass, plastics, and stone.

## Why Choose Waterjet Cutting?

- **Accuracy:** Achieve precise cuts with minimal tolerances. This is ideal for complex designs and detailed work.
- **No Heat:** Because the process doesn't involve heat, there's no risk of altering the material's properties or causing thermal damage. This means cleaner cuts and no warping or distortion.
- **Minimal Waste:** The thin water stream allows for efficient use of material, reducing waste and making the process more cost-effective.
- **Versatile Applications:** Whether you need to cut metal parts, intricate glass designs, or durable stone slabs, a waterjet machine can handle it all.

## How Can It Benefit Your Project?

By using waterjet cutting, you get high-quality results without compromising on material integrity. It's perfect for projects requiring detailed and precise cuts, and it's an excellent choice for a variety of industries, from aerospace to architecture.



