Water-jet Cutting
Waterjet Cutting

It is a method of metal cutting using a water jet of very high pressures and high speeds.

- 60,000 psi

- Water flows through diamond orifice and nozzle.

- The orifice and nozzle allow a very precise jet (Ø 0.005 → 0.01 in.) exits at 3 times the speed of sound.

- Pump → oil at pressure of 2000 → 3000 psi

- to a pressure intensifier

- 20:1

- 3000 → 60,000 psi

- 20 gpm → 1 gpm