

6 - Water Jet Cutting

Glasslite's water jet cutting adds to our flexible range of services.

With this process the intensifier pump pushes a water jet at 55,000 PSI of pressure into a self-aligning cutting head which is moved by a CNC control system. The water, ejected through the gauged orifice at 3 times the speed of sound, is mixed with abrasive and cuts any shape.



Benefits of Water Jet Cutting:

- **Cost effective** - as opposed to low production methods with high manual labour costs.
- **High performance** - accuracy $\pm 0.1\text{mm}$ - rapid set up times - no tooling.
- **Minimum material waste.**
- **Compatibility with other processes** - absence of thermal and mechanical deformation.
- **Versatile** - Glasslite specialises in water jet cutting glass, the process is also capable of cutting any material e.g. aluminium, brass, marble, plastic, rubber, stainless steel, steel, wood etc.

