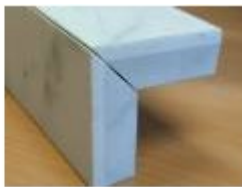
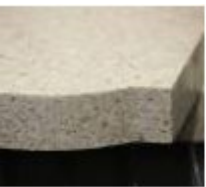
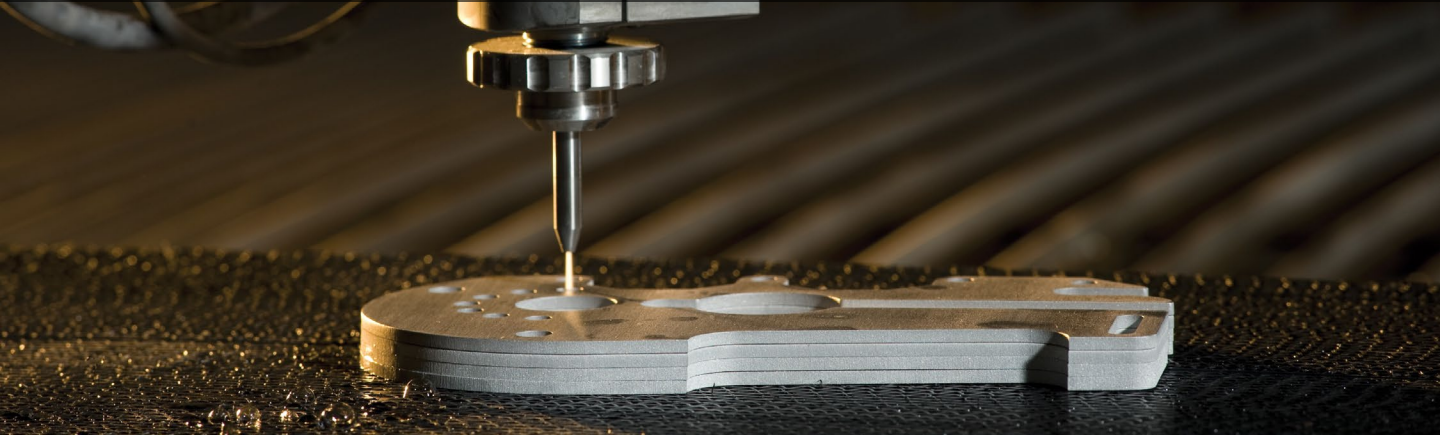


WATERJET CUTTING

For items up to 178mm thick



APPLICATIONS

- Aluminium, mild and stainless steel, copper, brass, titanium, alloys, Inconel
- Marble, granite, stone, ceramic tiles
- Glass (except toughened glass)
- Fibreglass, carbon fibre, Kevlar, plastics
- Carpet, foams, insulation, interior trims
- Rubber, neoprene, fabric, leather, cork, plasterboard, circuit boards
- Profile cutting signs and lettering

CUTTING SIZE CAPABILITY

Up to 4050 mm wide x 2050 mm high

Up to 178mm thick

COSTS

Reach out to us for a quote. The costs vary depending on material, thickness and complexity of cut.



PFG GROUP

CREATORS OF DURABLE PRODUCTS FOR HARSH ENVIRONMENTS

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WHY CHOOSE WATERJET CUTTING OVER CNC, LASER OR PLASMA CUTTING?

- **Exceptional edge quality** – does not require secondary finishing.
- **Precise internal cutouts** – versatile cutting tool for intricate designs and jobs which require high tolerances.
- **Cuts virtually any shape or thickness**
- **No heat affected zones** - cold cutting eliminates problems caused by heat distortion and hardened edges.

WHAT IS IT & HOW DOES IT WORK?

Waterjet is recognised as a fast, efficient and cost-effective process for cutting a wide range of materials and across various industries.

There are two types of waterjet cutting – pure water and abrasive.

Pure water (non-abrasive waterjet) cutting technology is primarily used for cutting soft materials such as rubber, foam, gaskets, leather, textiles and food as it produces minimal material water with no mess. Water is pressurised to ultra-high pressure levels and forced through a small ruby, sapphire or diamond orifice to form an intense cutting stream.

Abrasive waterjet cutting is essentially an accelerated erosion process. Ultra-high-pressure water is fired through a ruby or diamond orifice into a 'mixing chamber' which creates a vacuum and draws garnet sand into the water stream to create an extremely powerful and versatile cutting tool. This process is ideal for cutting any material in sheet or slab form including mild and stainless steel, aluminium, sheetmetal, composites, decorative stone, synthetic ceramics and glass.



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