

Abrasive waterjet cutting can relatively quickly produce a complete final part, ready to supply. The abrasive waterjet process does not affect material properties, so the efficiency of conventional processes is not degraded. Abrasive waterjet cutting is effective in many advanced and non-traditional materials where conventional processing may be a challenge.

Advantages of cutting stone with our Waterjets:

- Eliminates most secondary finishing... no rough edges
- Little or no waste of raw material
- No toxic fumes or dust (in contrast to saws & blades)
- No blade or saw sharpening
- Ability to cut the most intricate stone, tile and marble designs
- Ideal for cutting up to 30 cm of materials depending on density of product
- Eliminates the risk of discoloring or deformation

Stone Cutting FAQs

- How fast can the material be cut?

The cutting speed is determined by the following factors: pump pressure, efficiency of high pressure generation and cutting head configuration, material thickness and properties, desired cutting edge quality, orifice diameter, abrasive quantity and abrasive quality. See the cutting speed table below.

- What is the maximum stone thickness that can be cut with waterjets?

Up to 25 cm. We recommend considering whether cutting with a cutting disc would be a more cost-effective alternative for thicker stone.

MATERIAL	GRANITE			ABRASIVE FLOW (Kg/min)
THICKNESS	12mm	25mm	50mm	
MAX CUT SPEED (.33 Orifice)	740mm/min	330mm/min	150mm/min	0.54Kg/min
MAX CUT SPEED (.23 Orifice)	380mm/min	170mm/min	75mm/min	0.33Kg/min
MATERIAL	MARBLE			
THICKNESS	12mm	25mm	50mm	
MAX CUT SPEED (.33 Orifice)	630mm/min	280mm/min	120mm/min	0.54Kg/min
MAX CUT SPEED (.23 Orifice)	330mm/min	150mm/min	65mm/min	0.33Kg/min

