



WATERJET

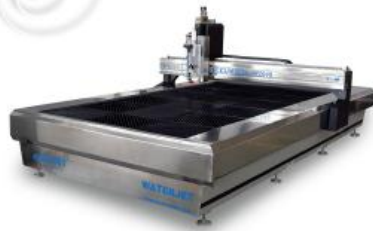


ACCUMECH
WATERJET





WATERJET



ACCUMECH WATERJET
W2040 (STAINLESS STEEL)



ACCUMECH WATERJET
W2060



Water jet Cutting - Technical Overview

CNC Water Jet cutting uses a very high pressure jet of water upto 55,000 psi (3930 bar), usually with an added abrasive medium.

Water Jet cutting provides a high thickness range capable of accommodated from 200mm down to 0.1mm and with accuracy of up to 0.05mm over 1m (positional and repeatability).

The cold process does not heat the parent material, so there is no heat affected zone, burning or surface hardening.

Unbeatable detail to material thickness ratio means very small and precise holes can be cut into very thick material.

Surprisingly, Water Jet Cutting competitive pricing beats lasers and milling machines in many circumstances and keeps on going at thicknesses.

ACCUMECH WATERJET W 2040



WaterJet W2040 Specifications (Stainless Steel)

Size	Working Area	4,000 mm (X) x 2,000 mm (Y) x 200 mm (Z)
	Machine Dimensions	5,000 mm (L) x 3,500 mm (W) x 1,800 mm (H)
	Weight	2,500 kg
Precision	Location Precision	0,05 mm
	Repetition Precision	± 0,005 mm
Control Part	3-AXIS Control Motor	AC Servo Motor
	Controller	PA Controller
KMT Head	KMT Abrasive Tank	200 kg. abrasive under prusser 1,5 bar
	KMT Head	The self-aligning components of the Autoline provide accurate alignment of the needle of water through the abrasive nozzle.
	Abrasive Fider	Manual Abrasive Fider
Table Structure	Tank	Steel Tank with stainless steel cover
Traverse System	Traverse System	Rack & Pinion, Ball Screw, L/M Guide
Coolant System	Maximum Traverse Speed	X, Y = 15 m/min.
Power Source		380V, 3 Phase

* The above specifications are subject to change without prior notice for improvement.

Cutting Area
2000 x 4000 mm

KMT Head
200 kg. Abrasive
prusser 1,5 bar

Control Part
3-AXIS
Control Motor



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Waterjet W2060 Specifications

Size	Working Area	2,000 mm (X) x 6,000 mm (Y) x 200 mm (Z)
	Machine Dimensions	7,000 mm (L) x 3,500 mm (W) x 1,800 mm (H)
	Weight	2,800 kg
Precision	Location Precision	0,05 mm
	Repetition Precision	± 0,005 mm
Control Part	3-AXIS Control Motor	AC Servo Motor
	Controller	PA Controller
KMT Head	KMT Abresive Tank	200 kg. abresive under prusser 1,5 bar
	KMT Head	The self-aligning components of the Autoline provide accurate alignment of the needle of water through the abrasive nozzle.
	Abresive Fider	Manual Abresive Fider
Table Structure	Tank	Steel Tank
Traverse System	Traverse System	Rack & Pinion, Ball Screw, L/M Guide
Coolant System	Maximum Traverse Speed	X, Y = 15 m/min.
Power Source		380V, 3 Phase

*The above specifications are subject to change without prior notice for improvement.

Cutting Area
2000 x 6000 mm

KMT Head
200 kg. Abresive
prusser 1,5 bar

Control Part
3-AXIS
Control Motor

ACCUMECH WATERJET ACCESSORIES

When do I choose Water Jet Cutting over Laser Cutting?

- When materials are non-ferrous.
- When materials are unsuitable for lasers.
- When accuracy is key.
- When materials are thick.
- When a small hole diameter to thickness ratio is required.
- When a heat affected zone is best avoided.

Productivity - Waterjet allows stacking of materials, and cuts a variety of thicknesses, adding productivity to the cutting process

Efficiency - The waterjet cutting process yields a high quality finish on most materials, and eliminates most post-process finishing.

Ecological - The waterjet cutting process involves no chemicals, gases or noxious liquids. Abrasive waterjet cutting uses garnet (a high grade sand) as the abrasive. This creates a very clean process, preferable to other methods of cutting in terms of environmental impact, eliminating disposal of by-products and waste water. There is no dust created when cutting stone with waterjet technology, thus providing a safer work environment for those using waterjet to cut stone inlays and countertops.



KMT PUMP

The high pressure pump combines all the advantages of KMT waterjet systems developed specifically to meet the requirements of market, the high pressure pump meets all the expectation regarding cost-efficient Waterjet cutting.



KMT Head



KMT Apressiv Feeder



KMT Apressiv Tank