

StM

Waterjet solutions

# StM Cube

The waterjet cutting system  
for maximum cleanness.



Nobody cuts it better.

# Best advise.

The StM service team supports you with technical service, training courses and original high-quality spare parts. For this purpose, an excellently trained technical support team and an extensive customer service team are constantly at your disposal.

We provide comprehensive and continuous advise and support from initial information to the development of new value creation potentials.



## Quiet cutting

The hood construction helps to achieve a noise insulation of 10 %. StM Cube waterjet cutting systems are about 8 dB quieter compared to other systems.

## Increased safety

The StM Cube waterjet cutting system provides the ideal conditions for cutting environments with enhanced safety requirements. New opportunities are created for research and educational establishments as well as mechanical production.

## Compact system

The StM Cube can also be set up in small production buildings without any problems. The waterjet cutting system convinces with very small space requirements.

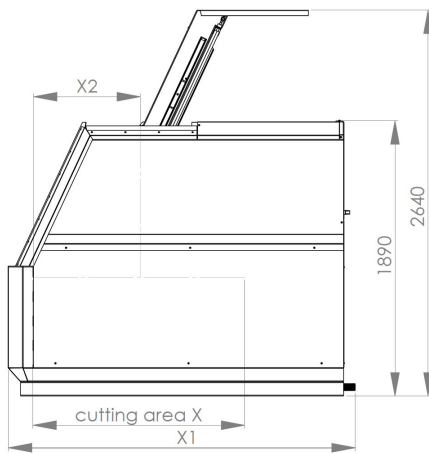
## Optimum accessibility

The StM Cube waterjet cutting system has compact dimensions and the working area is accessible from three sides. Loading from the top by crane is also possible.

# StM Cube

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The StM Cube waterjet cutting systems have all the technical specifications of EcoCut or MasterCut incl. a hood cover and thus provide even more safety and convenience. The encapsulation provides noise insulation, maximum safety and an ideal splash guard. It is therefore the perfect system, for example, for research and educational facilities or cutting environments with increased safety requirements. A very good loadability is given by moving back the hood cover (X2).



StM Cube							
StM		Y-dimensions [mm]					
latitude		2200	2700	3200	3700	4200	
X-dimensions [mm]	X1	1800	WS0510	-	-	-	-
	X2	300					
	X1	2300	WS1010	WS1015	WS1020	WS1025	WS1030
	X2	600					
	X1	2800	WS1510	WS1515	WS1520	WS1525	WS1530
	X2	900					

## Experience flexibility.

StM waterjet cutting systems can cut almost all solid materials. The spectrum ranges from metals, stone, tiles, glass and wood all the way to foams, rubber, plastics and foodstuffs. StM waterjet cutting systems can be equipped with either a pure water or an abrasive cutting head, depending on the requirements.



— plastic	— copper
— foam	— aluminium
— stone/ ceramics	— steel
— glass	— wood
— carbon	— brass





Waterjet solutions



Workspace e.g.	1,05 m x 1,05 m / 1,05 m x 1,55 m / 1,05 m x 2,05 m		
<b>EcoCut version:</b>			
Travel speed max.	10 m/min	Positioning accuracy	± 0,10 mm (per meter at 20°)
Z-axis possible	100 mm	Repeat accuracy	± 0,08 mm (per meter at 20°)
<b>MasterCut version:</b>			
Travel speed max.	15 m/min	Positioning accuracy	± 0,08 mm (per meter at 20°)
Z-axis possible	100 mm	Repeat accuracy	± 0,05 mm (per meter at 20°)

## Included in the StM Cube Package

- ▶ Welded rust-proof machine frame of aluminium and stainless steel
- ▶ Cutting tank with bearing surface grating
- ▶ CNC Z-axis
- ▶ CNC-control unit and PC interface
- ▶ Control console
- ▶ Brushless servomotors
- ▶ StM SmartCut waterjet software
- ▶ StM Edge Tracker positioning laser
- ▶ High pressure pump with a pressure intensifier between 11/75 kW or 4.000/6.000 bar depending on requirement
- ▶ Supply tank for 320 kg abrasive medium

## Tuning Options

- ▶ Heavy-duty load frames for workpieces of up to 1.000 kg/m<sup>2</sup>
- ▶ Additional cutting heads on separate Z-axis or on the same bridge
- ▶ Predrilling unit pneumatic
- ▶ StM OneClean
- ▶ Automatic abrasive recovery
- ▶ Water level control
- ▶ Pressure bagfilter
- ▶ Manual rotatable holder for cutting valve chamfered cuts to 48°
- ▶ Supply tank for 1.600 kg abrasive medium

StM is a leading provider of waterjet cutting systems with head offices in Eben in Pongau, Austria and Schweinfurt, Germany. For more than 25 years, the service specialist has been developing sustainable production solutions, especially for the metal, plastics, stone, composites and glass industries. Modular portal systems cover all currently possible cutting tasks in the 2D and 3D range and are characterised above all by their cost-effectiveness and flexibility. StM customers value ease of use and personal consulting. Particular emphasis is placed on cost optimisation and energy savings. The precise adjustment to customer requirements and their individual manufacturing processes enables StM to keep the total costs for the customer low.

Our solution:  
Partnership, precision  
and performance

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