



Waterjet Group

# STM Cube

The waterjet cutting system for maximum cleanness.



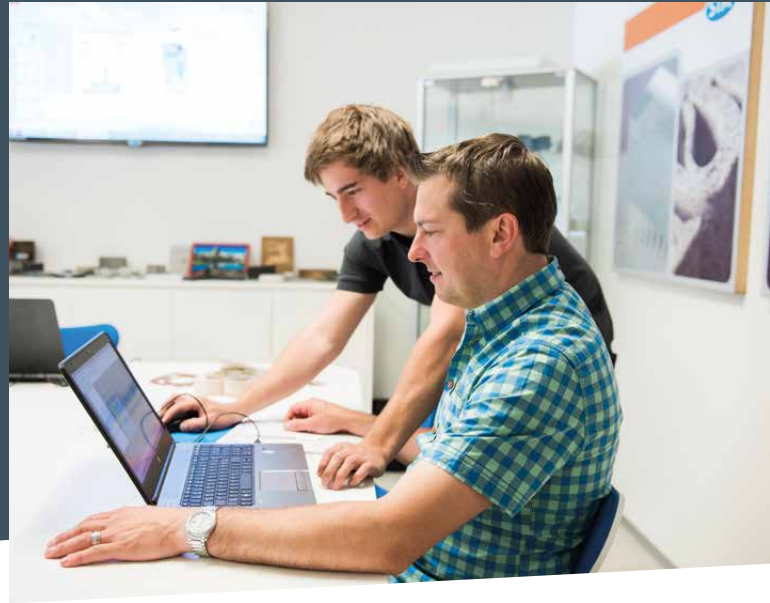
Nobody cuts it better.

# Your partner close to you

With four locations in Austria, Germany, Switzerland and France, STM Waterjet Group is the partner near you. With more than 30 years of experience in separation technology, STM pays particular attention to innovative modular system technology in combination with **connectivity, intuitive operation and high availability** of STM waterjet cutting systems.

## Service has priority

We are there for you – even after the purchase of your waterjet cutting system. This high value of the service concept has prompted us to found RWS – Real Waterjet Service GmbH. As an STM Premium Partner of STM Waterjet, RWS puts service for you first. RWS will be your long term partner and companion from the time of delivery of the machine.



## 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.

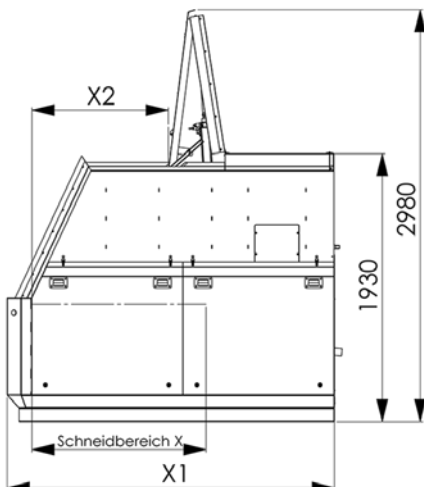
## Optimum accessibility

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

The waterjet cutting system for maximum cleanness.

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).



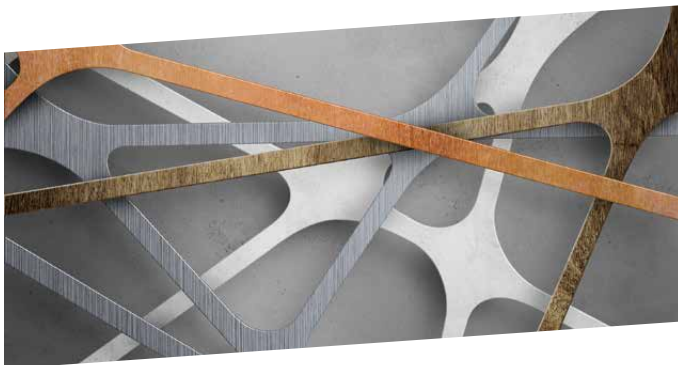
StM Cube							
STM		Y-Abmaße [mm]					
		Y1	2200	2700	3200	3700	4200
X-Abmaße [mm]	X1	1850	WS0510	-	-	-	-
	X2	850					
	X1	2350	WS1010	WS1015	WS1020	WS1025	WS1030
	X2	850					
	X1	2850	WS1510	WS1515	WS1520	WS1525	WS1530
	X2	850					

## 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 Group



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 WATERJET GMBH

STM is a leading provider of waterjet cutting systems. The company has four locations in Eben im Pongau (Austria), Schweinfurt (Germany), Reiden (Switzerland) and Frans (France) with a total of 70 employees. For more than 30 years, the long-established company has developed pioneering integrated manufacturing solutions – particularly for the steel, aluminium, metal, plastic, stone and glass industry. These are characterized above all by efficiency, ease of operation and wear resistance. In development, STM pays particular attention to innovative modular system technology in combination with connectivity, intuitive operation and high avail-

ability of STM waterjet cutting systems. STM also stands for standard CNC controlled modular portal systems in all dimensions and for all applications. STM systems cover all currently possible cutting tasks in the 2D and 3D range and are characterised above all by their cost-effectiveness and standard of quality. The brand manufacturer thus ensures that its individual manufacturing processes are continually matched to the latest requirements of its customers. Since 2018, the company has also held the sole production rights to BYSTRONIC waterjet cutting systems.

### Our solution:

Partnership, precision and performance

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