

iCUTwater PLATINUM

Highest demands - without compromises!



Be it with the high-precision and ultra-dynamic linear drives or the pre-integrated abrasive removal system, make no compromise; instead demand precisely those features from a first-class waterjet cutting system that you require for your success. With the maximum machine quality, you are truly equipped for the future. Do you require multiple cutting heads on an adjustably mounted crossbeam or on individually controlled Z-axes? Automated water level regulation or a tube cutting device? Or even a true 5-axes/3D cutting system with angle error adjustment? We can offer you all conceivable equipment options. Because what are custom solutions for others have long been standard in the range of **imes-icore GmbH**. Allow us to support you on your path to success. Opt for machine tools from the **iCUTwater PLATINUM** range.



Highlights

- Light barrier / operator protection
- CNC-controlled Z-axis
- Table loading 1200 kg/m²
- Abrasive desludging system
- Cutting water sedimentation tank
- Infinitely variable abrasive metering and 200 l storage tank
- Panel position software and additional teach-in software module
- Height sensor with collision protection system
- Start equipment with diamond nozzle
- Automatic nesting function
- Linear motors in X- and Y-axes
- Granite supports for linear motors in Y-axis
- Hand-held operating unit with joystick

Options

- Up to 12 additional cutting heads, on individual motorised Z-axes or crossbeams according to preference
- Stainless steel tanks
- Machine in chosen colour (RAL)
- Start-hole drilling machine, shuttle table
- Various pump types with up to 6200 bar
- Tube cutting device for diameters from 60 to 250 mm
- True 5-axis system for angle error adjustment and arbitrary adjustable setting angle ($\pm 45^\circ$)

Application examples

- Glass industry
- Stone/marble processing
- Machine construction
- Shipbuilding
- Steel construction
- Workshop operation
- Aerospace industry
- Defence engineering/equipment industry
- Building industry
- Medical engineering
- Automotive and automotive supplier industry
- Packaging and paper industry
- Food industry
- Training and education
- Electrical industry

Typical materials

- Aluminium
- Marble
- Granite
- Glass/bullet-proof glass
- Ceramics
- Steel
- Stainless steel
- Composite materials



Technical data	iCUTwater PLATINUM 3020	iCUTwater PLATINUM 4020	iCUTwater PLATINUM 3060
Machine weight in kg	approx. 3500	approx. 4000	approx. 7000
Travel ranges (X / Y / Z) in mm	3080 / 2050 / 250	4080 / 2050 / 250	3080 / 6050 / 250
Travel speed in m/min	30		
Table bearing capacity in kg/m²	max. 1200		
Repetition accuracy in mm	± 0.01		
Positioning accuracy in mm	± 0.03		
Drive type	Linear motors (X / Y) and servo motor (Z)		
Drive elements (X / Y / Z)	Linear drives (X / Y) and play-free adjustable ball screw (Z)		
Guides	Low-maintenance heavy duty steel ball circulation profile rail guides (X / Y) and linear guides with ball circulation slides (Z)		
Connection voltage	16 A / 400 V		
Operation	Mobile control panel		
Software	Cos4Mos software package		

Machine dimensions without control panel or additional accessories.