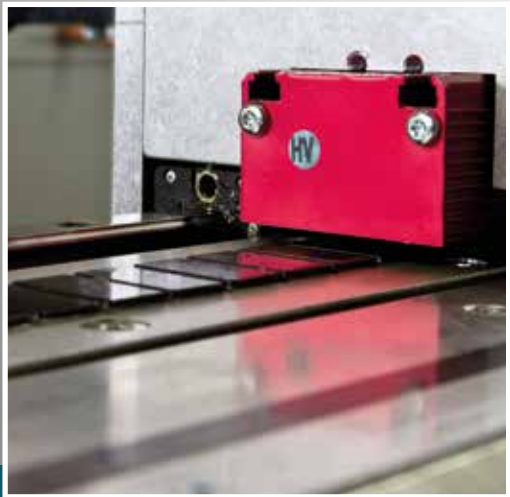
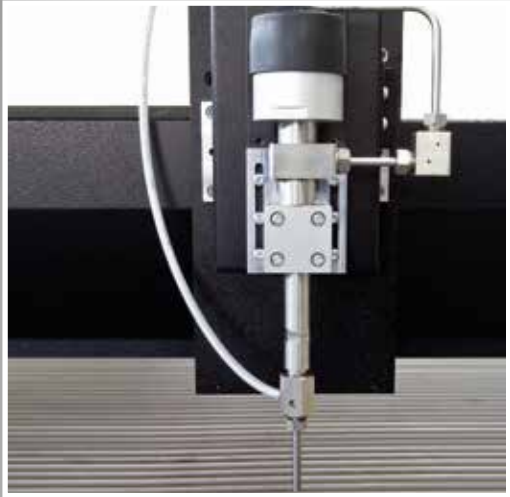


iCUTwater basic III

Extremely economical due to unique value for money!



Modern CNC waterjet systems are suitable for automatically processing almost every contour and every material. However, this standard no longer comes close to satisfying requirements for modern industrial solutions. As an experienced, long-term manufacturer of CNC machine systems, **imes-core GmbH** has therefore concentrated on the fundamental features with the **iCUTwater basic** range, and has succeeded in developing the most economical and reliable waterjet cutting system presently available on the market. This machine is 100% manufactured in our factory in Germany. All machines and machine parts are subject to our defined ongoing quality controls and comply with strict European standards. A further feature of the **iCUTwater basic** range is the intuitive controller, which has been produced according to modern ergonomic aspects. In this way, less experienced operators are also capable of starting with it immediately, without complex and costly training sessions, which is what one expects from a modern waterjet system:

Waterjet cutting - economically and reliably.



Highlights

- NC-controlled Z-axis
- Table loading 800 kg/m²
- Cutting water sedimentation tank (4 chambers)
- Complete high pressure pipework
- Infinitely variable abrasive metering and 80 l abrasive storage tank
- Linear motors in X- and Y-axis
- Suitable for pure water and abrasive cutting
- Hand-held operating unit with joystick
- Machine size up to large format available
- Tanks and guiding machine thermally and mechanically separated

Options

- Abrasive desludging system
- Stainless steel tanks
- Start-hole drilling machine
- Second cutting head on a 500 mm crossbeam
- Various pump types, also up to 6200 bar
- Height sensor with collision protection system
- Light barrier / operator protection
- Nesting functions
- Pure water conversion set

Application areas

- 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

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



Technical data	iCUTwater basic III 1010	iCUTwater basic III 2010	iCUTwater basic III 3020
Dimensions (W x D x H) in mm	2100 x 2260 x 2200	3100 x 2260 x 2200	4100 x 3260 x 2200
Weight in kg	approx. 2500	approx. 3000	approx. 3500
Travel range (X / Y / Z) in mm	1050 / 1050 / 150	2050 / 1050 / 150	3050 / 2050 / 150
Speed range in m/min	18		
Table loading in kg/m²	max. 800		
Z-clearance in mm	150		
Repetition accuracy	± 0,02		
Positioning accuracy	± 0,05		
Drive motors	Linear motors (X / Y) and servo motor (Z)		
Drive elements (X / Y / Z)	Linear drives (X / Y) and zero backlash 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	400 V		
Operation	Mobile control panel		
Software	Cos4Mos software package		

Machine dimensions without control panel or additional accessories.