

# WaterCut series

Compact & powerful

Waterjet

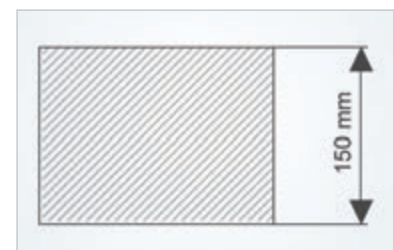
Plasma

The **WaterCut series** offers highly precise and reliable **waterjet cutting** machines designed for 2D waterjet cutting or a combination of waterjet and plasma. Besides a single tool station, WaterCut can be equipped with a multi-tool station with outer span 1200 mm, carrying up to **4 water jets on a single Z axis**, or a small drilling unit for **piercing of sandwich materials**.

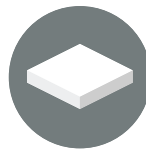
The machine is equipped with MicroStep's efficient and user-friendly CNC control system iMSNC®, which, by default, supports 5 waterjet cut quality settings for different edge finishing. It can be chosen between the highest speed or the best edge quality whereby other customization of tool parameters is also available: for example, adjustment of cutting speed in the corners of parts. Thus, the machine is perfect for achieving an optimal balance between quality, performance and cutting costs.



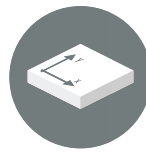
Fine contours and highly precise cuts up to 150 mm



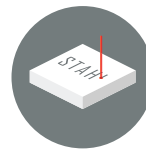
- No thermal stress on the cut part
- Cutting of the finest contours
- Precision to the degree of hundredths of a millimeter
- Cutting of all materials (stone, steel, glass, rubber, wood, sandwich materials)
- High-pressure technology up to 6,200 bar



Plates



2D cutting



Marking



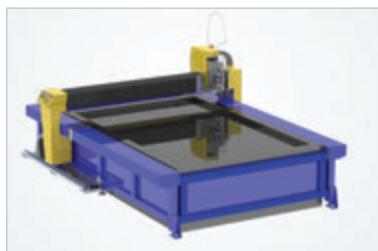
Scanning

### Durable high-precision components



Rustproof chrome plating of linear guidelines helps to protect them against wear caused by abrasive and corrosion. In addition, bellows on all axes seal the guidelines against dust and humidity, substantially increasing their lifespan.

### Versatile configuration options



WaterCut can be equipped with two 2D cutting heads and water level regulation for efficient parallel cutting. Optionally, the machine can be fitted with a multi-tool station with outer span 1200 mm, carrying up to 4 water jets on a single Z axis, or a small drilling unit for piercing of sandwich materials.

### Intuitive and easy operation



So that you can fully concentrate on your production, our innovative software solutions help you intuitively to transform drawings and cutting plans into finished parts.

# PipeCut series

Weld edge preparation on pipes and profiles

Plasma

Oxyfuel

The **PipeCut series** offers a wide range of pipe and profile cutting possibilities for various industrial applications in offshore, lifting and agricultural equipment, pipelines, power plant and steel constructions or shipbuilding.

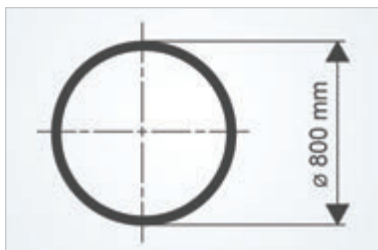
Modular design of the machine allows to meet unique pipe fabrication needs and thus become a valid part of your production facility.

PipeCut machines enable a wide range of pipe-based applications including **trimming**, **cutting** of various openings for multiple **pipe** and **profile** intersections or connections, weld edge preparation as well as **marking**.

The machine can be supplied as a fully automated workplace with **automatic loading**, feeding and unloading of pipes and profiles. Optionally, PipeCut can also be fitted with an additional cutting area for smaller domes.



3D pipe and profile cutting up to  $\varnothing$  800 mm



PipeCut's cantilever design with open loading area enables processing of pipes and profiles up to  $\varnothing$  800 mm.

- **3D plasma** for fast and efficient cutting
- **3D oxyfuel** for thick-walled workpieces

Efficient suction through chuck and the overhead extraction system

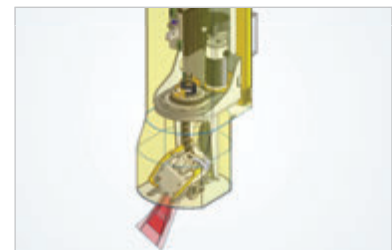


MicroStep's proven suction design for pipe cutting includes direct fume extraction from inside of the pipe through chuck as well as suction from the overhead cover around the cutting head.

#### Advantages:

- Reduced dust pollution of workpieces
- Prolonged lifetime of components
- Minimized fume exposure of the workshop staff

Laser scanner for measuring of profile position



For cutting of hollow sections, the PipeCut machine can be equipped with a laser scanner that will measure the deviation of profile's position in the place of cutting to ensure precise positions of cut-outs and openings.