



## CombiCut series

Built for tough environments

Oxyfuel

Plasma



Plates



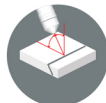
Pipes & profiles



Domes



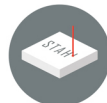
2D cutting



Bevel cutting



Drilling  
Tapping  
Countersinking



Marking



Scanning

**CombiCut** is a robust and high-precision CNC machine designed especially for multiple-shift high-performance plasma and oxyfuel cutting.

It allows cutting of steel up to 300 mm thick, bevel cutting with two rotators or oxyfuel triple torches, parallel cutting with up to 8 torches, drilling up to  $\varnothing 40$  mm, inkjet, micro-percussion or laser marking, pipe and dome processing as well as additional beveling with ABP technology.





#### Robust and durable

Extreme conditions present a great challenge to any cutting machine. With CombiCut, MicroStep has come up with a solution that is suitable also for non-standard environments.

- Operating temperatures: -10° to +45°C
- Resistance to dirt, dust and humidity
- Robust machine design for longevity even in heavy-duty cutting operations



#### Multi-tool cutting with up to 8 oxyfuel torches

- Increase your productivity with parallel cutting operations
- Possibility of parallel bevel cutting with several rotator bevel heads
- Automatic spacing of slave tool stations (option)
- Individual selection of tool parameters to fit your requirements
- All tools controlled automatically from the iMSNC® control system



#### Fast and precise bevel cutting with plasma and oxyfuel

- Fully automatic and highly precise bevel cutting up to 50° (plasma rotator) or up to 65° (oxyfuel rotator)
- Bevel cutting of plates, pipes, profiles and domes
- Additional Beveling Process (ABP) – simple and reliable subsequent weld seam preparation
- Intuitive and easy programming of bevels with MicroStep's CAM solutions
- Auto-calibration of rotator via ACTG® feature for consistent quality and precision



#### Cutting with plasma up to 800 A and oxyfuel up to 300 mm

CombiCut machines are designed to withstand high workloads in multiple-shift operations including multi-torch parallel oxyfuel cutting of material thicknesses up to 300 mm. Intelligent temperature management keeps the system from exceeding its limits even in harsh environmental conditions and under intensive cutting load.



#### Fully automatic drilling up to Ø 40 mm and tapping up to M33

The fully automatic drilling solution provides a substantial added value for your production. Before the parts are cut, precise holes, threads and countersinks can be produced within the same cutting plan, with holes up to Ø 40 mm and threads up to M33. To enable smooth and fast tool change, the machine can be equipped with a tool magazine for 6, 8 or 16 tools.



#### 3D pipe & profile processing up to Ø 1,000 mm

- Enhance your production range by adding pipe and profile cutting option
- Convenient cutting program creation with MicroStep's 2D and 3D CAM software
- High precision and dimensional accuracy reduce post-processing costs
- If required, the pipe cutting channel can be covered with additional grates and used as extension of the cutting table including sideways fume extraction



Automatic production line with several double-gantry CombiCut machines



Bevel cutting with oxyfuel rotator



Integration of up to 8 oxyfuel tool stations on one gantry