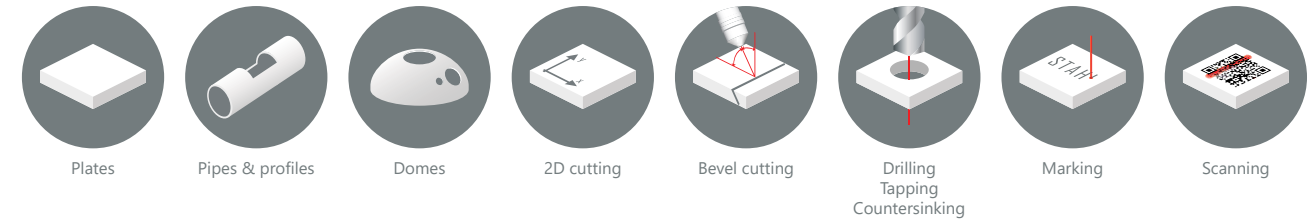




## MG series

Multi-functional machine for the most demanding tasks



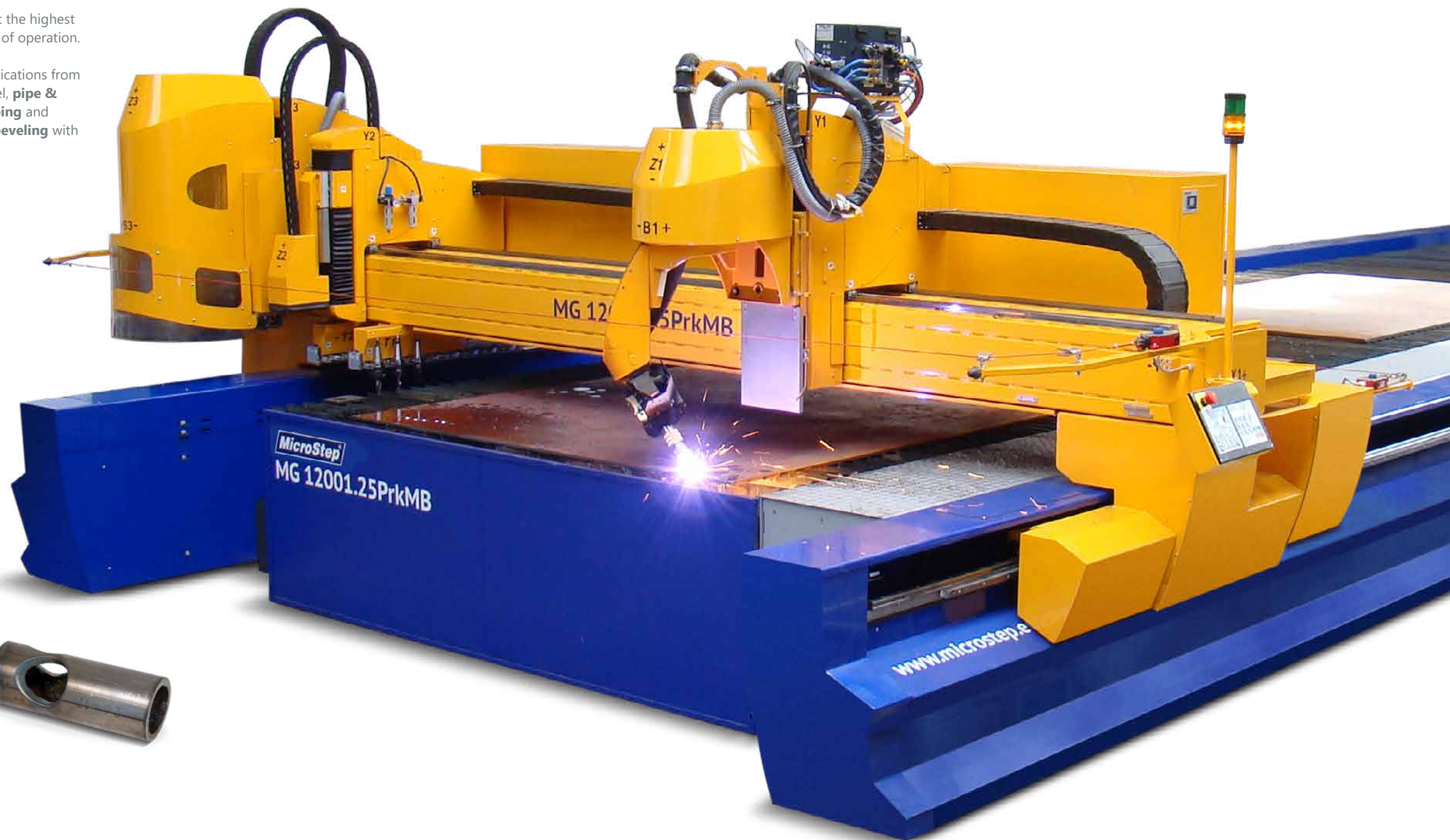
Plasma

Oxyfuel

The **MG series** is the top performer among MicroStep's cutting machines.

It is built for heavy-duty industrial use to meet the highest demands on precision, performance and ease of operation.

MG machines are suitable for a variety of applications from **2D** and **bevel cutting** with plasma and oxyfuel, **pipe & profile cutting**, **dome cutting**, **drilling**, **tapping** and **countersinking** to **marking** and **additional beveling** with ABP technology.





### Smooth and precise positioning



Because a robust machine construction is an important condition for excellent cutting results, the gantry supports have been extended by 35% in longitudinal direction (X axis). Thanks to the greater stability of the positioning system, the machine will operate smoothly also with heavier equipment installed.

### Long-lasting, low-maintenance planetary gears



In order to take full advantage of the dynamics and performance of the AC drive system, the MG series uses long-lasting and low-maintenance planetary gears.

### Stiff gantry beam design



The MG series has a rigid gantry construction. In comparison to previous generation of the machine, the stiffness of the gantry has been increased three-fold. That means even less vibrations, resulting in clean and precise cuts.

### 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. For a smooth and fast tool change, the machine can be equipped with a tool magazine for 6, 8 or 16 tools.

### High reliability even in a three-shift operation



Cutting is often the first step in many production processes, so reliability of the cutting machine plays a key role. For this reason, MicroStep machines are equipped exclusively with high-quality components and designed for long-lasting operation.

### Rotator technology – the new standard in bevel cutting



The endless rotator enables high-quality weld edge preparation with bevels ranging up to 52° (plasma) or 65° (oxyfuel) on sheets, pipes, profiles as well as domes. The powerful and compact design ensures high precision and dynamics that allows even complex bevel contours to be cut in a reliable manner.

### Additional Beveling Process



Parts with thicknesses so big that direct beveling is not possible can still have their edges beveled thanks to MicroStep's Additional Beveling Process (ABP). V-, Y-, X- as well as K-cuts are done via scanning and cutting in a precise and cost-saving way that eliminates the necessity of secondary processing on another machine.

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



The pipe cutting option on MicroStep machines enables weld edge preparation on pipes and hollow sections, with diameters of pipes ranging from 30 to 1,000 mm.

### Dome processing



The sturdy machine frame and gantry construction of MG series enables dome processing up to Ø 4,000 mm. Different types of tool stations provide a different extent of reach over the dome surface and thus offer various dome processing options.



Plasma rotator performing bevel cutting on a water table



The powerful drilling head enables drilling, tapping, and countersinking



Pipe cutting with an MG machine



Dome processing with a multi-functional MG cutting machine