

Laser 3D Tilting Tool Station

The 3D tilting head is designed for cutting of precise parts with bevel – possible bevel types are V, Y, K and X. All laser sources offered by MicroStep can be used with the tilting head. With a 6 kW source, it is possible to cut mild steel 15 mm thick with a 45° bevel. It is currently NOT recommended to use for cutting stainless steel.



Technical parameters

Degrees of freedom	4 (Y, Z, A and B axes) + X on the machine
Max. thickness of material	according to a laser source
Torch inclination range (A)	$\pm 45^\circ$ cutting range (+ 2° for corrections)
Total stroke (Z)	70 mm
Positioning speed in Y	max. 130 m/min

Positioning speed in Z

max. 18 m/min

Please note: Some parameters (e.g. Max. thickness of material, Total stroke etc.) vary with the machine type the tool station is installed upon.