

MSF

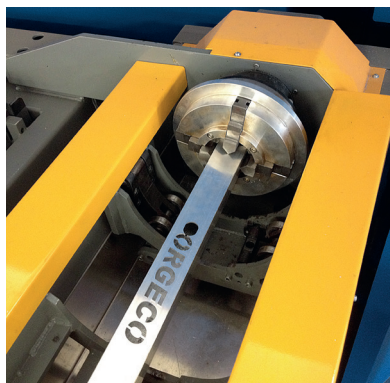
Fiber laser cutting machine

MicroStep[®]
spol. s r.o.



- *MSF machine is a powerful laser cutting system for cutting of materials using a fiber laser, or a combination of fiber laser and plasma*
- *Completely integrated fiber laser cutting solution*
- *High motion dynamics and positioning accuracy*
- *Powerful and user-friendly PC-based CNC control system iMSNC[®]*
- *Machines meet contemporary safety and environmental standards*
- *Automatic shuttle table*
- *Integrated conveyor for scrap removal*
- *Standard working area from 3 x 1.5 m to 6 x 3 m*
- *Capacitive height control*
- *Lower operational costs and more efficient than a CO₂ Laser*

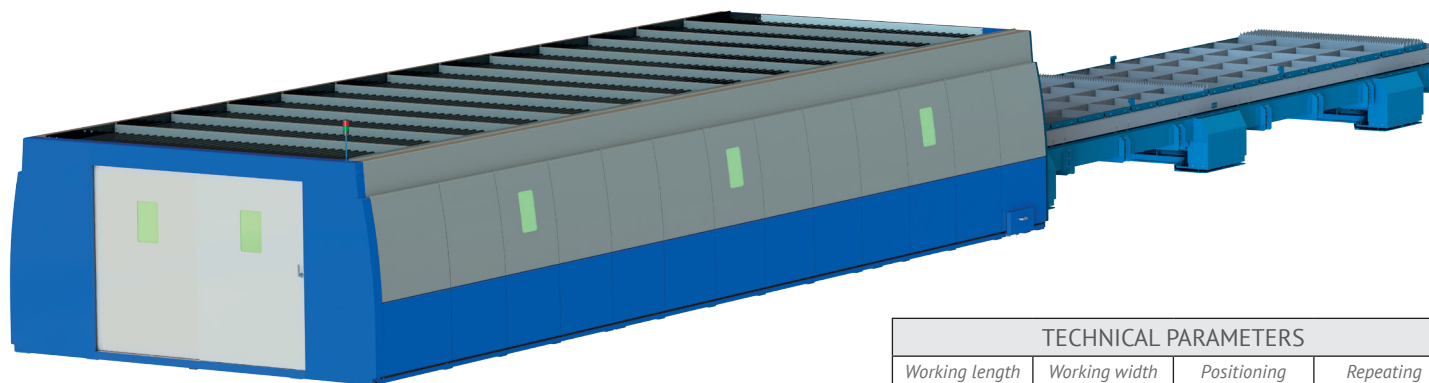




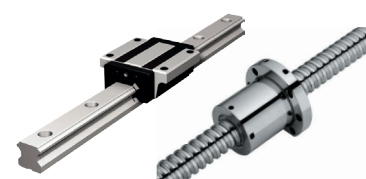
Efficient and user-friendly PC-based CNC control system iMSNC® and operator console with 17" TFT touch screen



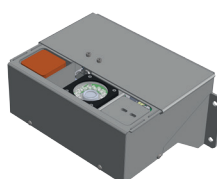
Equipped with a laser tool station by default, the cutting capacity of MSF machine can be enhanced by adding a plasma tool station. The turret drilling head with 6 tool positions provides tapping and countersinking functions. For bevel cutting, a 5-axis bevelling tool station can be installed



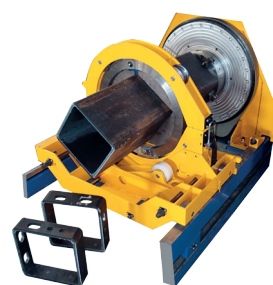
TECHNICAL PARAMETERS			
Working length [mm]	Working width [mm]	Positioning speed X [m/min]	Repeating accuracy [mm]
1,000 – 12,000	1,500 – 3,000	130	±0.03



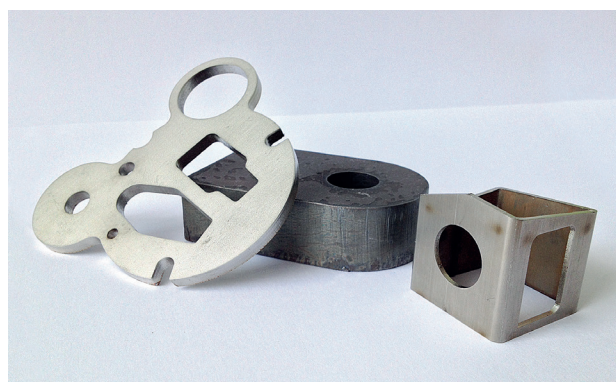
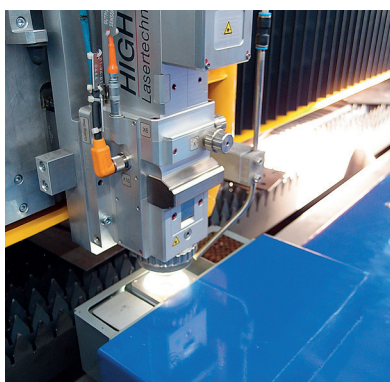
High-precision linear guidelines in X and Y axes and ball screws in Z axes guarantee smooth and precise movement



A combined nozzle cleaning & calibration station provides automatic calibration of capacitive height sensor in the laser head, brush cleaning of laser nozzle from possible spatters after fast piercing and camera check of the status of nozzle orifice



In addition to flat-bed cutting, MSF can be equipped with a cutting zone for round pipes and hollow profiles. Depending on type of the cutting zone, pipe diameters can reach from Ø20 mm to Ø500 mm, hollow profiles cross-section from 20 x 20 mm to 300 x 300 mm at a max. pipe / profile length 6 m



The descriptions, technical data and illustrations contained in this document are provided for guidance purposes only and are non-binding. The manufacturer reserves the right to make changes without notification.

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