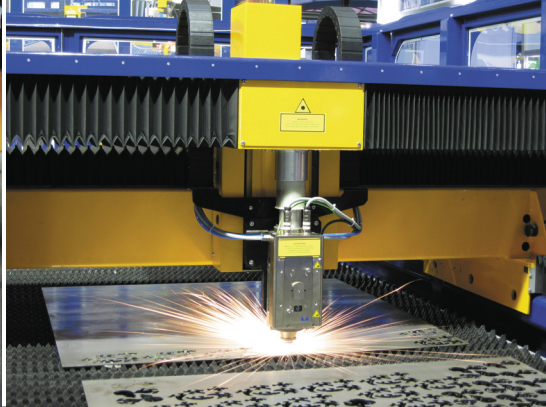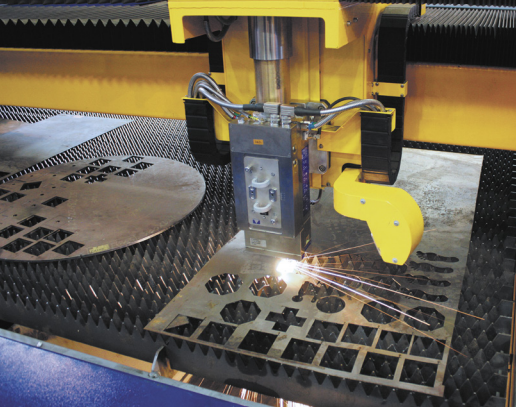**MicroStep**®

spol. s r.o.

MicroLas

- *The MicroLas type machines are designed for applications with highest demand on cutting speed and accuracy*
- *Excellent motion dynamics*
- *Efficient and user-friendly PC-based CNC control system iMSNC*®
- *Optional tube and pipe processing*
- *Automatic focusing based on parameter database*
- *Comfortable lens mounting and centring*
- *Cutting table in various versions – automatic pallet changer or manual pull out of pallet*

- *ROFIN-SINAR or PRC laser sources with different powers for various processing ranges*
- *Meeting of comprehensive safety and environmental standards*
- *Excellent exhausting efficiency provided by a sectional cutting table with intelligent extraction system based on electronic control of suction zones*
- *Capacitive height sensing for laser cutting head*

www.microstep.eu

MicroLas

MicroLas 3001.15

Technical parameters*

Working length	1500 – 6 000 mm
Working width	1500 – 3 000 mm
Max. thickness of material	20 mm
Positioning speed	up to 60 m/min
Control system	MicroStep iMSNC®
Type of the guides in X, Y direction	linear guidelines

* depends on the machine configuration .

MicroStep® spol. s r.o.

MicroStep spol. s r.o.
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Easy to operate

MicroStep iMSNC® is one of the most advanced control systems in CNC cutting machinery. The system provides easy, user friendly and thus reliable operation of cutting machines via modern user interfaces: a standalone operator console with TFT touch screen and one or two control panels with LCD displays on the sides of the gantry. To achieve maximum utilization and flexibility of machine operation, a standalone operator console offers the possibility to prepare and edit cutting plans simultaneously with the cutting process. Since the machine, control system iMSNC® and CAM software AsperWin® are from one producer – MicroStep – it allows to implement also non-standard requests and develop custom solutions.

- Integrated database of tool parameters
- Multi-tool operation
- Automatic assignment of tool parameters to processed material
- Full network connectivity
- Remote diagnostics and assistance
- Parametrical dynamic piercing
- Advanced servicing software tools

Intranet applications

Intranet applications enable comfortable integration of the machine into production workflow and provide access to the machine via SQL databases and web services. MicroStep iMSNC® includes a novel web-based interface for accessing each machine from the company intranet via a web browser. Each machine has its own home page which serves as a gateway for intranet applications.

MicroStep Production Management (MPM) – adds computer-aided process planning (CAPP) capabilities to MicroStep solutions. An integrated system of order processing, nesting, stock control, machine operation planning and evalution helps to reduce work-in-progress, to save material, and to eliminate operator errors.

EkoInfo – evaluation of machine operation costs for a particular cutting program.

Machine Info – monitoring of machine and operator activities that enables to assign performance information to work shifts and to create specific technological records.
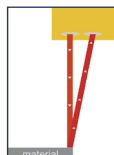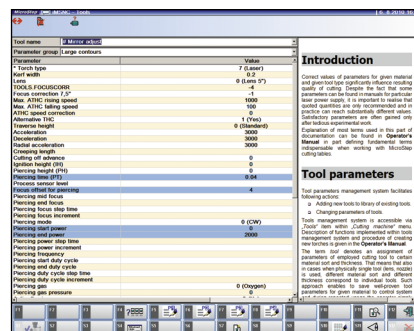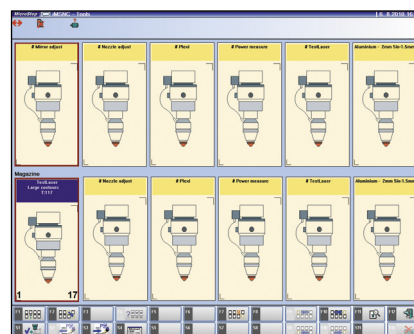
OPTIONAL ACCESSORIES
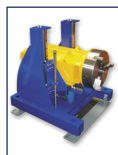
Pipe cutting device

CCD camera

Automatic plate alignment