

# MicroStep®

spol. s r.o.



## MSF

- 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 CO<sub>2</sub> Laser





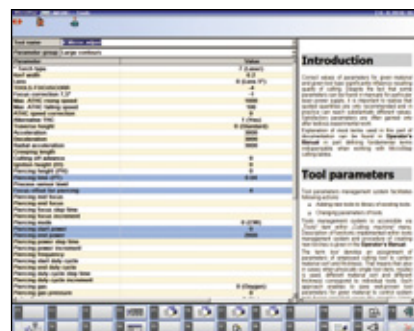
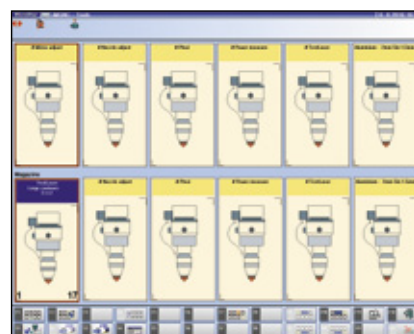
# MSF



## Easy to operate

MicroStep iMSNC<sup>®</sup> 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<sup>®</sup> and CAM software AsperWin<sup>®</sup> 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<sup>®</sup> 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 evaluation helps to reduce work-in-progress, to save material, and to eliminate operator errors.

EkolInfo – 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.

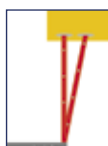
## OPTIONAL ACCESSORIES



Plasma



Pipe cutting device



Automatic plate alignment



CCD camera

## Technical parameters\*

Working length	3 000 – 12 000 mm
Working width	1 500 – 3 000 mm
Max. number of tool stations	2
Positioning speed	up to 80 m/min
Control system	MicroStep iMSNC <sup>®</sup>
Type of guides in X, Y direction	linear guidelines

\* depends on the machine configuration

# MicroStep<sup>®</sup>

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