MicroStep®

spol. s r.o.

PLS

- *The PLS type machines are designed for long-lasting industrial use and meet the highest requirements of the cutting speed, precision and production efficiency*
- *High positioning speed for productivity increase*
- *High-quality cutting with high-definition plasma as well as with standard air plasma sources*
- *Exceptional machine design for high cutting speed and acceleration*
- *Excellent motion dynamics*
- *Wide range of optional accessories offers combination of various technologies*
- *Efficient and user-friendly PC-based CNC control system iMSNC®*
- *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, designed to meet the standards of high-speed plasma cutting.*
- *Sharp angles and corners of cut parts as well as high contour precision resulting from helical rack and split helical pinion drives*
- *Advanced height control for plasma cutting based on proprietary adaptive algorithms backed by ball screw actuated Z axis*
- *Covers for protection of mechanical parts against fumes and damages*

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PLS

Technical parameters*

Working length	1500 – 50 000 mm
Working width	1500 – 4 000 mm
Max. number of tool stations	5
Max. thickness of material cut by oxyfuel	80 mm (optionally 150 mm)
Positioning speed	up to 44 m/min
Control system	MicroStep iMSNC®
Type of the guides in X direction	linear guidelines
Type of the guides in Y direction	linear guidelines

** depends on the machine configuration .*

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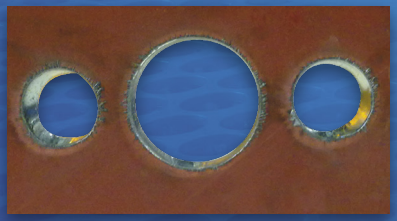

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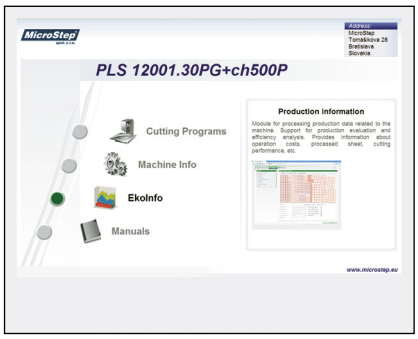
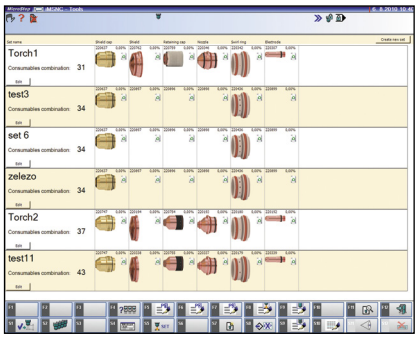
Easy to operate

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*
- *Zone management with batch cutting*
- *Monitoring of consumable life*
- *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.

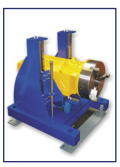
Machine Info – monitoring of machine and operator activities that enables to assign performance information to work shifts and to create specific technological records.

OPTIONAL ACCESSORIES

Plasma

Tilting head

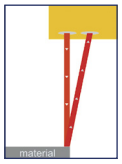
Oxyfuel


Pipe cutting device

Drilling unit

Inkjet marker

MicroPunch



Automatic plate alignment

CCD camera

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