

# MicroStep®

spol. s r.o.



## DRM

- DRM is a robust gantry machine designed for long-lasting industrial use and to meet the highest requirements of precision, performance and reliability
- Special rotator with bevel up to 90° for tubes and domes processing
- High performance spindles for drilling up to  $\varnothing 60$  mm and tapping up to M30
- Automatic drilling tool change using rotary tool magazines for 16 tools
- Automated, through tool cooling for optimal lubrication of the drilling process
- Special design of the cutting tables – table with extraction system for dome cutting or table with wooden (optionally plastic) flats for drilling bit protection
- 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
- Covers for protection of mechanical parts against fumes and damages



[www.microstep.eu](http://www.microstep.eu)



# DRM



## Technical parameters\*

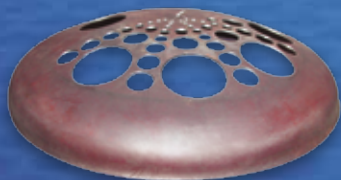
Working length	3000 – 50 000 mm
Working width	1500 – 10 000 mm
Max. number of tool stations	8
Max. thickness of material cut by oxyfuel	200 mm
Max. drill diameter	up to 60 mm
Positioning speed	up to 30 m/min
Control system	MicroStep iMSNC®
Type of the guides in X, Y direction	linear guidelines

\* depends on the machine configuration .

# MicroStep®

spol. s r.o.

MicroStep spol. s r.o. tel.: +421 2 43 41 11 69  
 Tomášikova 28 fax: +421 2 43 33 99 87  
 821 01 Bratislava www.microstep.eu  
 Slovakia e-mail: marketing@microstep.sk



[www.microstep.eu](http://www.microstep.eu)

## 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.

Management of Cutting Programs (MCP) – remote management of cutting programs allows to define priorities and relations between cutting programs and materials, and to distribute the cutting tasks to several machines.

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.



## WIDE RANGE OF OPTIONAL ACCESSORIES



Plasma



Plasma rotator 90°



Plasma rotator



Tilting head



Pipe cutting device



Drilling unit



Oxyfuel



Oxy triple torch



Inkjet



MicroPunch



Automatic plate alignment



CCD camera

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