



CNC cutting centre

MG

- robustly construction
- gas and plasma torches
- drilling and thread-cutting head
- rotation bevel head



The machines of MG type are our most general purpose machines. They are designed for the cutting by gas or in combination by gas and plasma. Their general purpose starts from robust construction and consists of wide palette of auxiliary equipments, that enable to cut by gas, plasma, to drill, to imprint by plasma or by zinc powder, to cut or drill tubes, to cut angle-wise, or any other combination of mentioned possibilities.

At autogenous cutting the GCE **torches** are supplied as standard but torches of any other required trade mark can be used. Each torch is equipped with automatic igniter and capacity sensor of cutting height that are controlled by the control system.

The regulation of plasma torch height is based on measuring of plasma electric arch voltage. The system of anti-collision protection ensures the machine switch-off at the collision with obstacle.

The portal is extraordinary strong, welded from profile steel, with a high loading capacity and stiffness. The rails of linear guidance and gear rack are fixed on the upper machined side. The portal can carry to 6 Z-axes.

The working table is of modular construction. Each module is divided into 3 sections, the valves of which are opened and closed depending on portal movement. The control system is responsible for controlling of valves through pneumatic cylinders.

The table is characterised by a high loading capacity that is inevitable for oxygen cutting of steel plates with thickness to 150 mm. (250 mm - special heavy table)

The frame is strong and robust, welded from profile steel, and modular construction. The basic lengths of modules are 3000, 2000, 1500 mm. One module is anchored by 3 (2) feet to the floor. At the frame the linear guidance and gear rack are gripped.

Control systems MSNC 500 / BRNC 500 is a universal control systems that provides all functions required for comfortable and reliable control and manipulation of cutting machines with plasma and gas torches, or for cutting using water jet technology.

Control systems respects all requirements on high reliability and comfort of control and manipulation.



Technical parameters

working width	1500 - 6000 mm
working length	up to 30000 mm
position speed	0 - 30 000 mm/min (by version)
max. material thickness	by plasma type / autogen to 150/250* mm
torch controlling height	autogen - capacitance measurement plasma - based on plasma arc voltage
power	230V, 50Hz, 16A
machine accuracy corresponds to standards EN 9013 and DIN 28 206	
* - according to request	

