



CNC cutting centre

# EuroCut

- high productivity
- low weight
- compacted, stability



## Plasma cutting machine of EuroCut type is a numerically controlled machine designed for division of material to 25 mm by plasma.

- Type of accurate CNC machine designed for plasma cutting of sheets
- Light construction taking into account the particularity of less thickness material cutting
- Guidance in all axes ensures the long and accurate operation
- Drives with helical teeth racks
- Drives without clearance in all axes
- Exhaustion of cutting combustion products through the tank hung under the portal
- Removal of waste by waste container tilting
- Automatic control of plasma torch height on the basis of voltage measurement
- Compact machine that does not require assembly at client's location
- Flexible control system under the WINDOWS operation system
- Faultless transmission of data to the system through the network
- Comfort immediate diagnose through the network supported by a special software
- Wide software assortment



### Machine portal

is with the drive without clearance through the gear racks with the helical teeth. The machine guidance is realised by rails with the ball carriages. With regard to the table construction the portal can be embedded only by one plasma working head. The height above the material can be adjusted automatically. During the cutting process the height of plasma torch above the sheet is controlled through the adaptivity from the cutting voltage. The cutting of air-conditioning sheets (less than 1 mm). In this case the torch is led by the pressure plate; it ensures the safe cutting also of thermally influenced undulated material.

### Plasma source

There can be any plasma source connected to our machines, that is able to communicate with the CNC system. We use the sources of world-wide trade marks as KJELLBERG, HYPERTHERM but also of domestic producers as FORMICA.

### Working table

is of light compact construction supplied in assembled state. The exhaust burning tank is hung under the grate and moves together with the portal; by it the exhaustion directly from the cutting place is ensured. The waste that falls down through the grate can be chosen by the tilting of waste container.



## Technical parameters

working width	1500, 2000 mm
working length	3000, 4000 mm
height	1400 mm
position speed	0 - 25 000 mm/min
max. material thickness	up to 25 mm
torch controlling height	based on plasma arc voltage
power	230V, 50Hz, 16A
machine accuracy corresponds	to standards EN 9013 and DIN 28 206

### 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.

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