



CNC cutting centre

CombiCut

- robustly construction
- materials up to 300 mm
- gas and plasma torches



The cutting machine of CombiCut type is a numerically controlled equipment designed for the cutting of material by the autogenous torch to the thickness 300 mm. It can carry autogenous but also plasma torch. It is a reliable and powerful machine type. The accuracy and cutting quality comply with standards EN 9013.

The portal is extraordinary strong, welded from profile steel, with a high loading capacity and stiffness. The rails of linear guidance are fixed on the front part of portal and rack is on the top part. The portal can carry to 8 Z-axes.

The GCE torches are standardly supplied for autogenous cutting but torches of any other required trade mark can be used. Each torch is equipped by automatic igniter and capacity sensor of cutting height that are controlled from the control system. Propane, acetylene and also natural gas can be used for cutting.

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

The machine frame is created by „legs“ gripped by anchoring screws. Planes on them are adjusted and rails are machined. The rail is gripped by a foot to legs. The path straightness is adjusted by side pushing screws.

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. (300 mm - special heavy table)

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 - 8000 mm
working length	to 30000 mm
position speed	to 20 000 mm/min (by version)
max. material thickness	autogen to 300 mm / by plasma type
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