

Thermal cutting machines

Complexes of plasma and plasma-oxy cutting for metal



Destined for cutting of sheet metal on any contour. Are effectively used by die-cutting of sheet metal in provision production of engineering plants and also for production of parts with complicated shape.

By developing of the complex were used the newest achievements of the advanced producers of this equipment. Use of high quality components of foreign companies allows to achieve high dependability of the complex and stable quality of cutting parts.

Plasma cutting head Hypertherm with clearance control maintains minimum width of the cut and high edge quality.

Plasma cutting technology allows to obtain work pieces and parts of complicated configuration without costs on mechanical procession of the contour.

Autogenous burner Gloor maintain cutting of sheet metal up to 300 mm thickness with high speed and minimum formation of stag and flash.

The system of numerical programmable control maintain movement of cutting heads on the die-cutting program of the sheet, at the same time it controls the working of plasma source (P) or the pumping of technologic gases to the autogenous head (PA).

The movement of cutting head is shown on the operating panel display in real-time. Program insertion is possible from disk unit or computer. Amendment insertion is possible from the operating panel.

Technical data

№	Denomination	Type-I	Type-II
1	Dimensions of cutting sheet, mm - width - length	1500 3000	2000 3000
2	Thickness of cutting sheet - autogenous cutting up to - plasma cutting up to - structural steel - stainless steel - aluminum	32	300 32
3	Speed of torch movement mm/min	100...12000	50...12000
4	Air flow rate, l/min	260	260
5	Air pressure, MPa	0,61...0,85	0,61...0,85
6	Vertical torch movement, mm	220	220
7	Positioning accuracy, mm/m	+/- 0,1	+/- 0,1

8	Consumable capacity, kW - gear - plasma generator	4 15	4 15
9	Plasma generator	Hypertherm Powermax - 1650	Hypertherm Powermax -1650
10	Weight, kg	1200	1300
	Price (ExWorks), \$	48 000	64 000