

CNC punching machine type BPM-T

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BPM-T 1225 x 30

BAYKAL Turret Punch Press Machine is capable of working large sheet metals with fast axes speed and stroke frequency. It is used high level mechanic and electronic automation equipments in its construction. Machine keeps its compact structure with all its specialties and equipment. • O type frame, strength-tested and analysed in finite element analysis (FEA), and normalised welded frame and components. Hydraulic punching head with indexable multi tool system that gives 360° rotation possibility in increments of 0.001°. Communication between CNC and axis motors is maintained through Sercos III Ethernet cable. High speed and precision with direct-drive index axis. Low energy consumption by the usage of variable flow pumps. Automatic tool lubrication. Possibility to use forming tools

Standard:

- 20 tool stations in total
- 4 indexable D stations with possibility to use multitools
 - 2 fixed D stations
 - 2 fixed C stations
 - 12 fixed B stations
- Moving table with ball transfers and brush
- 3 pieces of pneumatically operated sheet clamps
 - Work chute with mobile storage box
 - Waste box
- Offline programming software including automatic nesting
 - Portable operator panel
 - High capacity CNC unit with 12" TFT LCD screen
 - Cooler for hydraulics
 - Warning lamps
 - Light barriers

Optional:

- Up to 10 indexable D stations
 - 3 or 8 station multitools
 - Single tools
 - Forming tools
 - Coated tools
- Reductions for C, B, A stations
 - Vacuuming
 - Scrap conveyor
 - Work chute conveyor
- Additional key for programming software

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Technical data		BPM-T 1225 x 30
Art. No.		24750
Punching force	kN	300
Tool rotation		Indexable
Tool stations	No	20
Multitool holder (opt)	antal	4 (10)
Tool changing time	sek	0,3
Changing time turret	sek	3
Axes		X, Y, Z, C1, C2, T
Punching capacity Ø	mm	88,9
Repositioning		yes
Tool monitoring		yes
Working range X-Y	mm	2540 x 1270
Z-axis stroke	mm	30
Speed X-axis	m/min	100
Speed y-axis	m/min	80
Speed combined	m/min	128
Speed C1 + C2	RpM	300
Speed T	RpM	20
Punching rate	punch/min	900
Sheet thickness	mm	6,4
positioning accuracy	mm	+ / - 0,1
Repeatability	mm	+ / - 0,04
Sheet clamps	No	3
Control unit		BOSCH mtx
Hard drive	GB	40
Oil tank	L	320
Motor	kw	11
L X W X h	mm	5870 x 5210 x 2220
Weight	kg	14000

