

CNC PUNCH MACHINE MODEL RPP

Your partner for presentation of the needs

ROTATIVE HEAD PUNCH PRESS

In addition to its superior features and strong rigid body, main goal of ERMAK RPP series is high productivity and flexibility by means of angular moving T1, T2 top and bottom tool axes working synchronized with X, Y, C machine axes.



T1, T2 and C axes never need to get reference or index by intelligent true absolute positioning technology. It always holds the position info at its memory. This reduces the probable indexing faults to zero.

Sensitive and dynamic interpolation of X, Y, C, T1, T2 axes,
100 rpm C axis velocity,
40rpm T1, T2 (Tool axes) velocity,
ERMAK Rotative Head Punch Press with $\pm 0,01^{\circ}$ accuracy
High productivity, profitable and flexible operations



GENERAL FEATURES

RPP series manufactured by ERMAK'SAN's proved quality and experience on production of sheet metal workbenches is being presented to the utility of our clients open to technology and continual innovation. Strong mono block rigid C type body built up by stress relieved welded steel construction has high acceleration axes and designed to allow sheet loading from 3 sides ergonomically and the operation to be watched easily. Sheet processing can be done multi-directional and flexible until 6 mm thickness on ERMAK Punch Press. Hydraulic, electronic, electric and mechanic components that are respected with its high quality worldwide have been used on the machine.

RPP: ERMAK ROTATIVE PUNCH PRESS

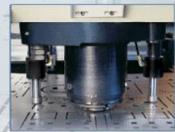
Makes angular punching processes on the worksheet by automatic CAD/CAM support thanks to synchronic rotating tool axes (T1, T2, C). Shortens the process time at angular cutting applications and extends the life time of tools at the same time by means of electro-mechanic rotative head design.

CNC CONTROLLER

Bosch & Rexroth brand VSP 16 type, 12" TFT with high resolution, colored, touch panel screen is used on the machine. UPS, USB are available for customer use on the panel. The control unit is equipped with 2 Ghz high performance processor, 512 MB Ram, 20 GB Hard Disc, VGA, Ethernet (10/100 Base-T), PS2 Serial Ports, USB, IP65 protection class 0.25g / 5g vibration/shock resistance, EMC, test certified Windows XP operating system has common and easy service. Ergonomically designed control panel can be moved around the machine easily. Protective UPS (Power Source) is included for electricity cut off and voltage undulation.



CNC PUNCH PRESS



RPP 1270 x 30 TON



TOOLING SYSTEM

Sensitive and durable ERMAK-BIEMETI brand standard sextet multi tool or thick turret D station or octet multi tool is used at bottom and top tool system.

Trio, quartet, fivefold, sextet and octet multi tools, B, C and D type stations, TRUMPF type, Wilson tools can be adapted to the machine and are available upon request. Many operations are possible to make as special coated tools for stainless steel processing, forming with functional tools, perforating various diameters and special evacuating.



SHEET CLAMPING SYSTEM

Automatic repositioning to process sheets wider than 2000 mm. Two pieces of sheet holder clamp operating with hydraulic pressure and pinching sheet with spring force is being used on the machine. Sheet is pinched without causing any deformation to provide sensitive processing.

Moreover pneumatic sheet referencing bar and CAD/CAM controlled pneumatic trap to drop the cut part to the wheeled part box.

Brushed type table.

Interpolation of sheet weight - acceleration by CAD/CAM (CNC controlled automatic axis acceleration calculation according to the sheet thickness and dimensions while CAD is being prepared).

Sensitive linear bearing equipments, guides without gap, sensitive screw axes and dynamic servo motors, intelligent drivers are used on X and Y axes. The dynamic buffer designed with these equipments does not make a concession from its sensitivity even at high accelerations.