

CP – Series CNC Punching Machines

- **CP Basic** – simple, rigid and reliable punching
- **CP RevoTool** – adds Boschert's multi-tool solution to enhance productivity
- **CP Rotation-Index** – for punching complex parts at half the cost of turrets or ATC punches



Productive CNC punching with affordable configurations for all fabrication shops

- **Punching**
- **Nibbling**
- **Forming**
- **Marking**
- **Tapping**



simply better!

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CP - Series Standard Features



CP - 1250 with RevoTool and material ball supports



Frame: Solid welded steel construction guarantees the highest stability for punching sheets up to 1/2" thick



TFT 10.5" color display: Adjustable and mounted on casters for easy positioning. Disc drive, E-stop, ram jog and all machine movements are within easy reach.



Control panel: Planned for easy access and separate from machine body. Includes digital drives, transformers, cooling fan and military grade CPU.



Frame: Main component of the C-frame is 6" thick normalized steel. Elemental analysis designed stiffeners eliminate flex found in cast frames.



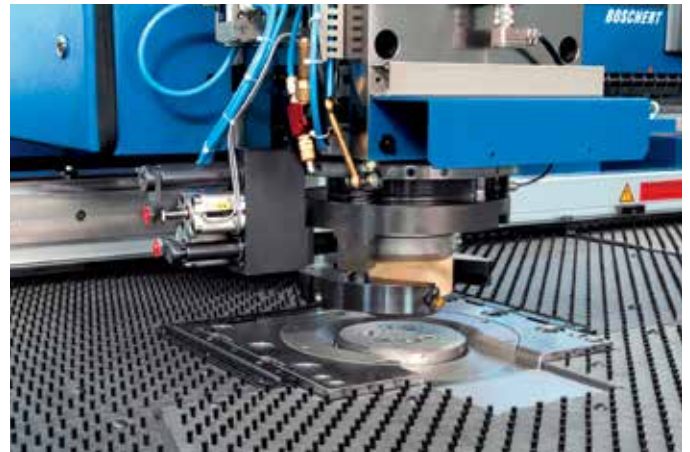
Robust Construction: Widely spaced ball screws and linear guides guarantee positioning accuracy and repeatability.



Industrial CPU: With RS232 and modem. Optional expanded memory, and USB or wireless LAN.

Rotation

Extremely heavy-duty rotation head. Solid construction with brushless DC motor and digital measuring system. The rotary axis is driven by fully synchronized motors, oversized for long life.



Indexing mechanism for Rotation RevoTool. Also shown is the stripper holder height adjustment.

Available Tooling:

Trumpf style tooling is standard and allows for the most productive options. Many other tooling systems are available including 28XX, thick turret (Amada), thin turret (Stripit) and Wiedemann.



Standard Trumpf style punch, alignment rings and die.

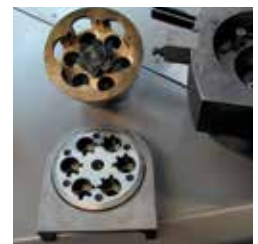
Boschert RevoTool

RevoTool, Boschert's multi-tool solution makes our machines even more productive. By increasing tools in the head to 4, 6, 7 or 8 stations, many complete parts can be processed without manual tool change.



Boschert 4-way and 7-way RevoTool punch heads and die bases. Complete tool sets of customer choice are included.

Thick Turret Tooling



(Some features not available with turret tooling. See your distributor or Boschert for details.)

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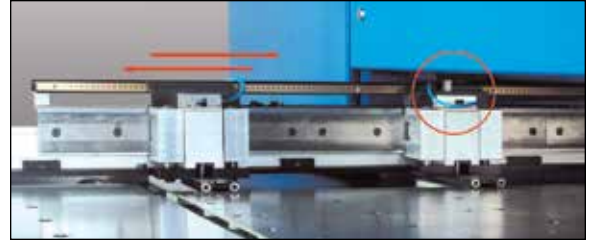
Machine Specifications

Working Range	
CP – 750	30" x 80"
CP – 1000	40" x 80"
CP – 1250	50" x 80"
CP – 1500	60" x 80 / 120"
Maximum sheet length	32'
Maximum sheet thickness	
With standard clamps	1/4"
With special clamps	1/2"
With RevoTool	1/4"
Maximum punching force	
Standard	36 tons
Optional (non-rotation machines only)	50 tons
Maximum workpiece weight	440 lbs.
Maximum positioning speed	
X axis	2,365 ipm
Y axis	1,180 ipm
Combined X & Y diagonally	2,650 ipm
Maximum punching speed	
Standard hydraulics	400 spm
High speed option w/ oil chiller	800 spm
Maximum punch diameter	4"
Maximum stroke length	3.54"
RevoTool positions	4, 6, 7 or 8
Tool change time, manual	10 – 15 sec.
Tool change time, RevoTool	2 – 4 sec.
Space Requirements	
CP – 750	13'6" x 13'
CP – 1000	13'6" x 14'8"
CP – 1250	13'6" x 16'6"
CP – 1500	13'6" / 18' x 18'3"
Weights	
CP – 750	16,250 lbs.
CP – 1000	20, 250 lbs.
CP – 1250	23,100 lbs.
CP – 1500	26,000 / 27,000 lbs.
Addition for Rotation	500 lbs.
Electrical Consumption at 230 / 460 Volts	
Continuous operation, 1/8" material	4.9 / 7.7 kW/h
Continuous operation, 1/4" material	5.4 / 8.75 kW/h
Amperage	25 / 35 Amps
Hydraulic motor	7.5 / 15 HP
Compressed air requirement	min. 4.5 bar / 65 psi
Hydraulic oil reservoir	115 liter / 160 liter high speed



BOSCHERT'S modern plant in Germany's Black Forest region.

Available Options:



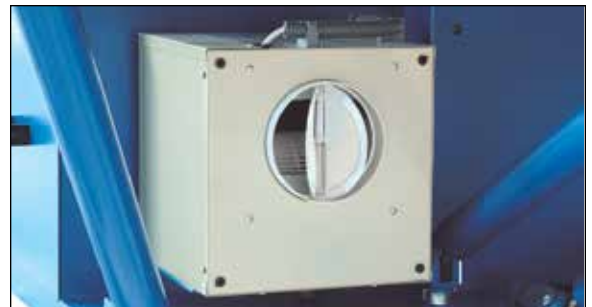
Automatic Clamp Repositioning



Programmable Spray Mist Lubricant



Ball Transfers or Brushes in Table



Vacuum Slug Removal



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