

BOSCHERT



COMPACT EVO

Punching

Nibbling

Forming

Marking

Tapping



simply better!



COMPACT EVO

The **BOSCHERT** COMPACT has gained an excellent reputation as a dynamic, stable, reliable and flexible punching machine for entry-level CNC sheet metal processing – and now the **BOSCHERT** engineers have given the machine a full facelift. The new design itself is extremely convincing, but the COMPACT EVO also has several practical improvements to offer:

- Highly accurate hydraulics for precise embossing and roller function as standard
- Waste bin with wheels for easy emptying.
- Cable duct between the machine and the control cabinet
- Ergonomic moveable control panel with shelves and drawer
- Edge protection to prevent long-term damage to the brush table
- Cover of the hydraulics (on request)

Frame

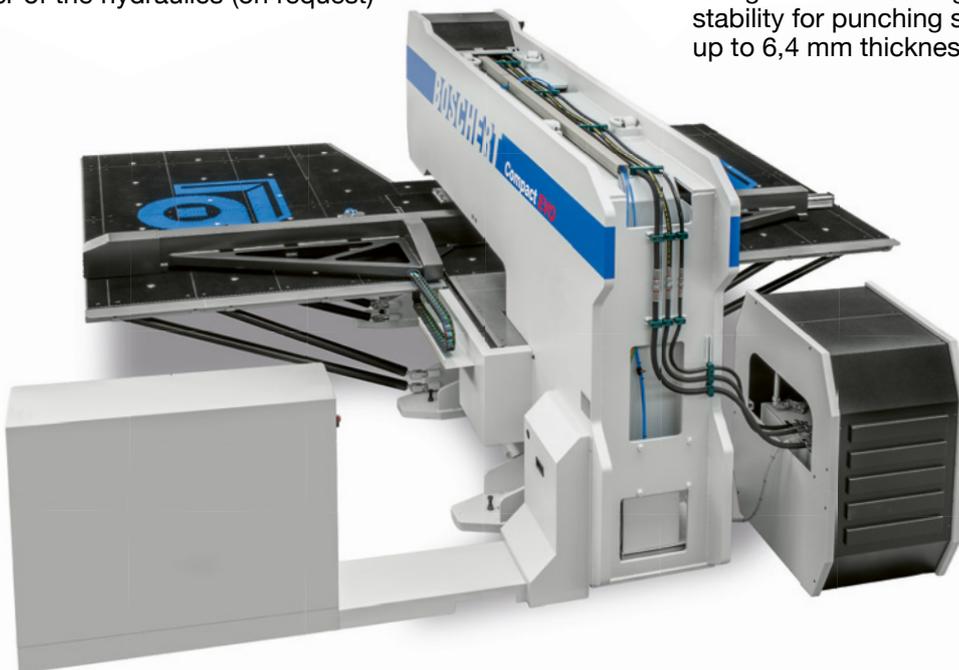


Solid welded steel construction guarantees the highest stability for punching sheets up to 6,4 mm thickness.

Control panel



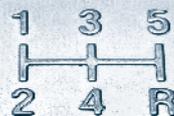
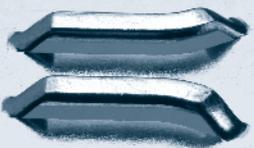
10,5" TFT colour screen, ergonomically designed.



Industrial CPU



Control with internal memory, USB port and LAN RJ 45 for network connection. Possible remote maintenance by internet.



COMPACT EVO

Rotation Index

Stepless 360 degree rotation of all tools up to 105 mm diameter and pneumatic indexing of Revotools.

The 7-way Revotool was especially constructed for this model.

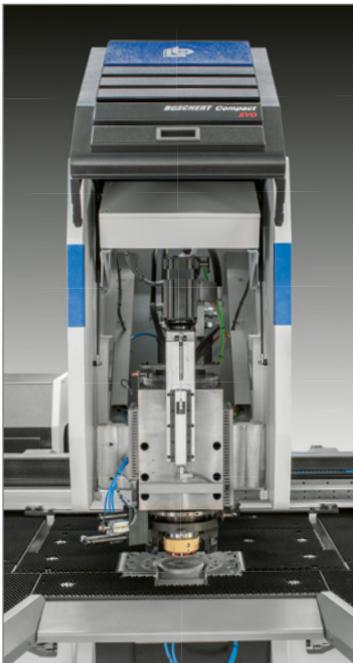
In addition to 6 tools with a diameter of 16 mm each, with a slitting tool of 5 x 30 mm it is possible to punch nearly every contour, allowing complete processing of the sheet without changing tools.

Trumpf® standard tooling

- easy handling
- low cost
- long tool life
- long regrind length



Punching head rotation



Solid construction with servo motor and measuring system



Index equipment and also stripper height adjustment

Revotools



Special 6-station to work on copper bar up to 10mm

Technical Data COMPACT EVO

Working area

Compact	500 x 1000 (2000)	560 x 1080 mm (2080)
Compact	750 x 2000	810 x 2080 mm
Compact	1000 x 2000	1060 x 2080 mm
Compact	1250 x 2000 (2500)	1310 x 2080 mm (2580)
Compact	1500 x 2000 (3000)	1560 x 2080 mm (3080)

Performance

Max. sheet thickness	6,4 mm Revotool 4 mm ¹
Max. sheet length	9999 mm by repositioning
Max. hydraulic punching power	280 kN (optional 400 kN)
Max. workpiece weight	200 kg

Speeds

Max. positioning speed	
X- axes	60 m/min
Max. positioning speed	
Y- axes	60 m/min
Simultaneous X & Y	85 m/min
Max. strokes standard hydraulic	250 strokes/min
Max. strokes fast hydraulic	400 strokes/min
Max. strokes fast HBL hydraulic	750 strokes/min

Toolings

Trumpf® tooling system	
Max. punching diameter	105 mm or any shape within 105 mm
Revotool	4 / 6 / 7 & 8 stations
Time of tool changing	2-4 sec. Revotool 15 sec. manual

Axes accuracy during punching process

Positioning difference	+ - 0,10 mm
Repeatability	+ - 0,03 mm

Space requirement and weights ²

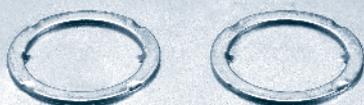
	B (X)	T (Y)	H
Compact 500 x 1000 (2000)	2900 (4000)	2540	2100 mm
	5800 (6000) kg		
Compact 750 x 2000	4000	3165	2100 mm
	7500 kg		
Compact 1000 x 2000	4000	3790	2100 mm
	9200 kg		
Compact 1250 x 2000 (2500)	4000 (5860)	4410	2100 mm
	10800 (11000) kg		
Compact 1500 x 2000 (3000)	4000 (6860)	5058	2100 mm
	14000 (15400) kg		

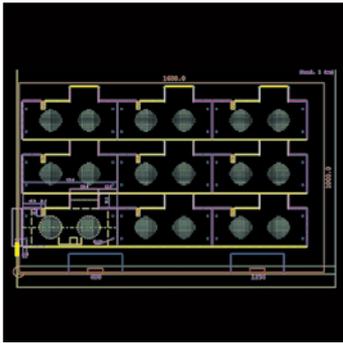
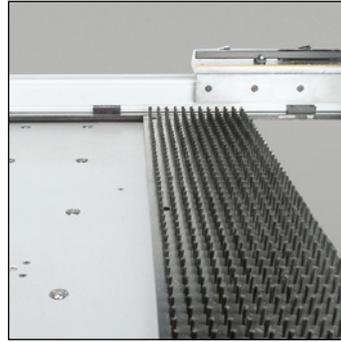
Electrical Values standard hydr. / fast hydr.

Electrical connecting value	20 / 25 kVA
Hydraulic motor	4,8 / 11 kW
Electrical consumption 2 mm sheet thickness continuous operation	4,9 / 7,7 kW/h
Electrical consumption 4 mm sheet thickness continuous operation	5,4 / 8,75 kW/h
Required fuse	3 x 25 A / 3 x 35 A
Pneumatic connecting value	min. 4 bar
Hydraulic oil	115 / 160 litre

¹ Mild steel St 40/mm²

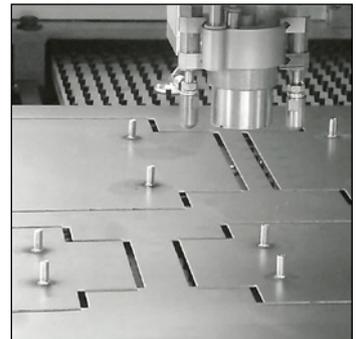
² The exact values can be found in each specific installation plan





Optional components of the COMPACT

- a The automatic tool lubrication serves to increase tool life when nibbling stainless steel (VA) and decreases edge burrs in aluminium
- b Repositioning up to 10 meters and clamp movement without contacting the sheet. 2 robust clamps for sheets up to 200 kg(expandable to 4 clamps). Standard capacity up to 7 mm or 12,7 mm when required (Standard 7mm)
- c Sandblasted, corrosion resistant surface as standard. Balls in the table for heavier sheets and easy handling, brushes in the table for thin or scratch sensitive sheets are also available
- d Vacuum slug removal
- e BG-CUT CNC/CAD software to import DXF-files into machine language, calculates punch time, graphic simulation
- f Nibbling up to 750 strokes / min with integrated oil cooling
- g Programmable repositioning of the clamps for faster set up of the machine.
- h Tapping and drilling attachment for threads M3 up to M12 and smaller drilled holes in thicker sheets
- i Marking apparatus for marking parts in 10 different fonts
- j Stud welding
- k Composite material milling



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