

	CU Profi	CU WK II
<b>Maximum dimensions of work piece</b>		
Length	3000 mm (Option 6000 mm)	6000 mm
Width	15-200 mm	15-200 mm
Thickness	3-12 mm	1-15 mm
Punching force	1 x 400 KN (40 Tons)	2 x 400 KN + 3 x 280 KN

<b>Speeds</b>		
Max axis	60 m/min	60 m/min
Max. stroke per minute	180	150

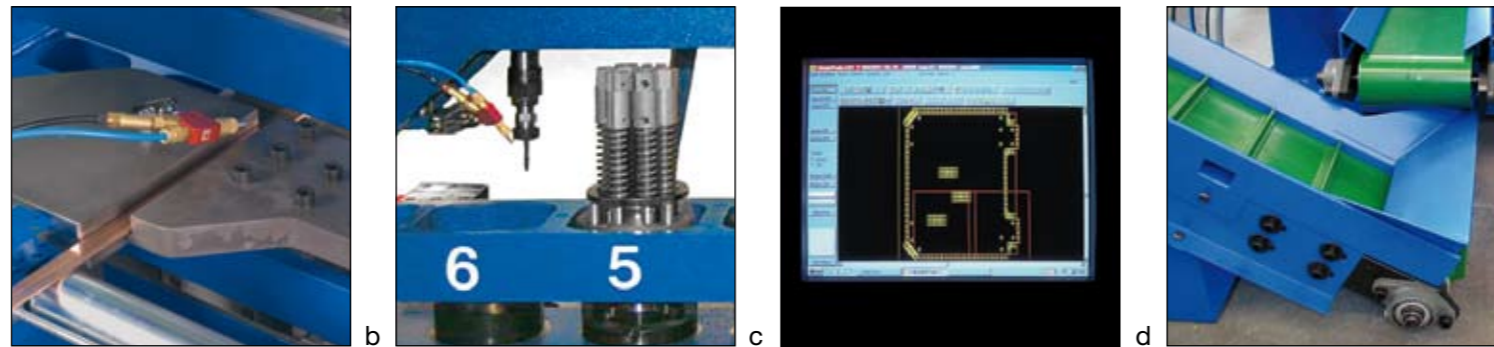
<b>Tooling</b>		
Number of tool stations	5	5
Max. Number of punching tools	5	15
Tapping unit	no	yes
Special length thick turret tooling		
Max. Diameter	31,7 mm	76,2 mm
Multitool 4-Stations with each 2 x 31,7 + 2 x 12,7 mm	no	yes
Multitool 6-Stations with 6 x 12,7 mm	no	yes

<b>Axes accuracy during punching process</b>		
Positioning Accuracy	+ - 0,10 mm	+ - 0,10 mm
Repeatability	+ - 0,05 mm	+ - 0,05 mm

<b>Space requirement and weights <sup>1</sup></b>		
Length	7500 mm (9000 mm)	11500 mm
Width	3000 mm	5000 mm
Height	2100 mm	2100 mm
Weight	6000 kg	13.000 kg

<b>Electrical values</b>		
Electrical connecting value	25 kVA	30 kVA
Hydraulic motor	11 kW	11 kW
Required fuse	3 x 35 A	3 x 35 A
Pneumatic connecting value	4 bar	4 bar
Hydraulic oil	160 Liter	160 Liter

<sup>1</sup> Cirka-Werte - die genauen Daten können dem jeweils gültigen Aufstellungsplan entnommen werden.



**More components of the CU Profi / CU WK II**

- a The automatic tool lubrication serves to increase tool life. (Standard)
- b Tapping and drilling attachment for threads M3 up to M12 and smaller drilled holes in thicker copper bars. (only CU WK II)
- c CNC/CAD software to import DXF-files into machine language, calculated punch time, graphic simulation (Option)
- d Belt conveyor for waste of CU WK II
- e Loading station for CU WK II



**Additionalmaschine for copper bars**  
Boschert CS for cutting of copper up to 15 mm and notching of corner radius.

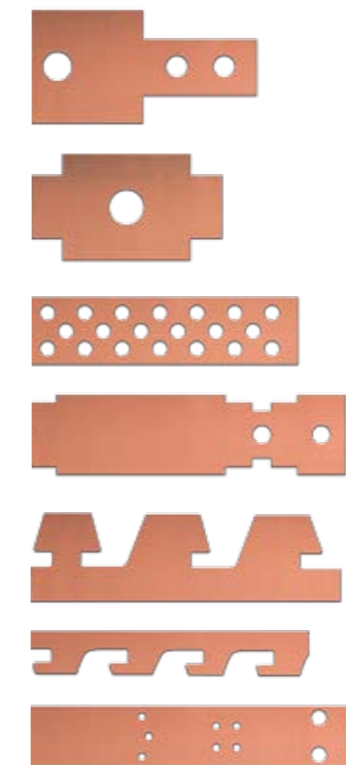


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**CU PROFI / CU WK II**

- Punching
- Nibbling
- Forming
- Marking
- Tapping





## Boschert CU Profi

The CU Profi CNC punching machine was developed specifically for the efficient processing of copper bars. These machines are equipped with five tool stations and can handle copper bars in lengths of either 3 or 6 meters with thicknesses to 12 mm.

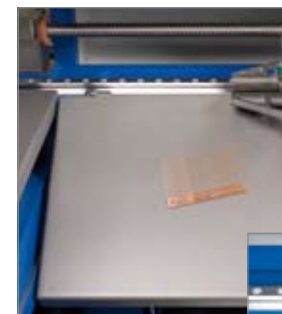
The shearing station, one of the five, is equipped with a 60 x 8mm parting tool. The finished part is delivered to a bin or conveyor by a programmable tilting table. The unique clamping of the part from the sides virtually eliminates waste.



Part discharge with tilting table



In feed table with rollers



Tilting table for part removal



Lateral clamp guiding



Rear view of machine with hydraulic unit and full safety guarding of the feed unit



Easy tool change



Parting tool and typical round size B punch: Dm. 31,7 mm; 60 x 8 mm

With more than 60 years experience we can guarantee the Boschert quality users worldwide have come to expect.



### Electrical cabinet

Open and easily surveyed panel includes digital control, cooling fan, transformers and control.



**Industrial CPU** with RS232 and Modem connection. As an option also available with expanded memory and USB or wireless LAN.



### Control panel

10,5" TFT colour screen, ergonomically designed, it is adjustable and mounted on casters. Floppy disk drive, dual palm buttons, tool change position button, emergency-off. The powerful graphic and conversational software guarantees simple and fast programming. It is also available in a PC version.



## Boschert CU WK II

In the CUWK, Boschert has developed a universal solution for the punching of copper bars. The machine can be adapted to almost any customer requirement. Each CUWK machine is built to the customer's unique needs including size of machine and number of tools. The machine is also able to punch material up to 15 mm thick.

In the five tool stations there can be one shearing station with an 80 x 8 mm or 50 x 10 mm parting tool. Two of the stations can be equipped with multi-tool to give a total of up to 15 tools. Additionally the CUWK can be equipped with a tapping unit as a separate, sixth head.



Rear view with tilting table



Tool change



1-3 exchangeable clamps are used depending on the width of the bar

### Up to 5 punching heads are available



4 - or 6 - way Multitool

Maximum tool size of 88.9 mm diameter



**BOSCHERT**