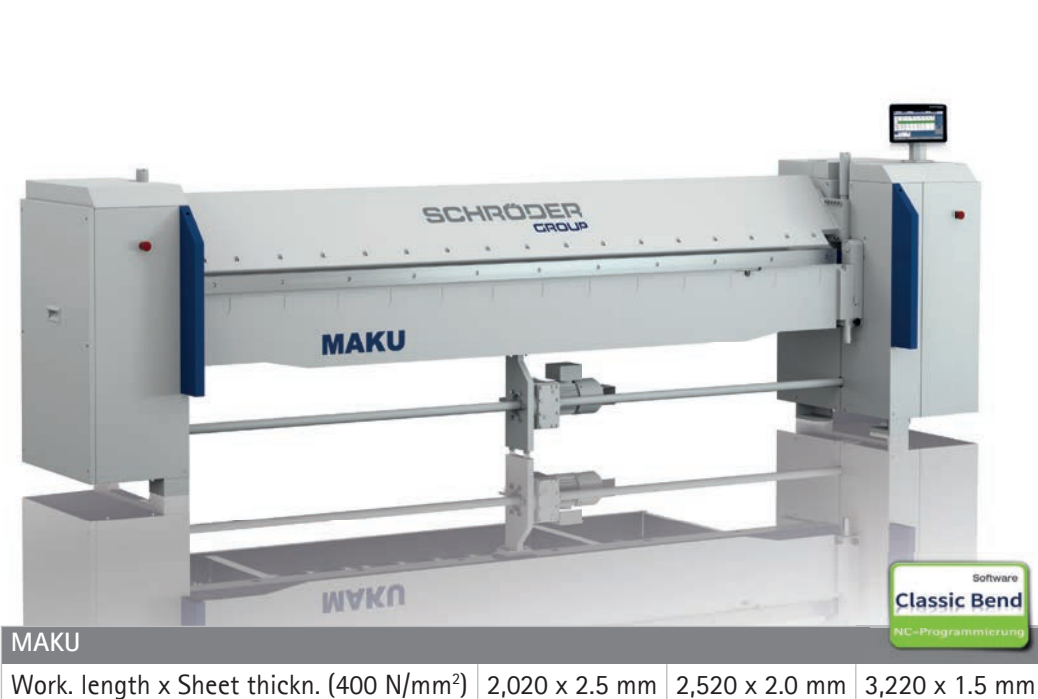


# Folding machine MAKU

The versatile motorized folding machine of the MAK-series is perfect for sheet metal processing in small- and medium-sized workshops.



In the standard version the MAKU is equipped with the new Classic Bend control – this makes it an extremely versatile machine.



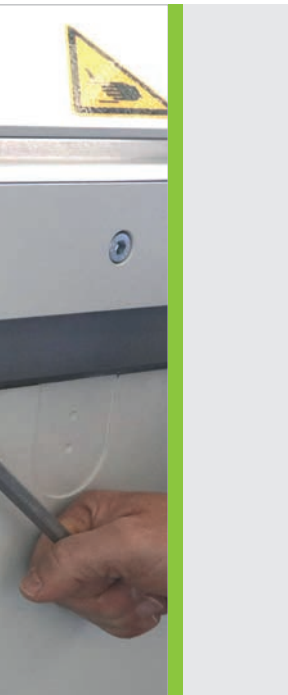
Crowning device for folding beam: manual central crowning device (not in combination with cranked folding blades).

The motorized folding machine MAKU of the MAK-series convinces with its robust and stable construction. The „U“ in its name was intentionally made and stands for „Universal“: this folding machine is designed to meet the demands of sophisticated handicraft businesses. Its flexibility through applications up to 2.5 mm steel is the result of Hans Schröder Maschinenbau's decades of experience in industrial sheet metal folding. The MAKU offers optimum precision, longevity and stability. It was engineered using extremely rigid machine bodies according to state-of-the-art technology.

This versatile machine is a safe investment into motorized sheet metal processing – and in the future of your company.

With the MAKU you get the know-how from our industrial machines for your workshop. Folding machines from Schröder are extremely long-lasting, low-maintenance and aimed at continuous operation with same high quality. You are able to produce faster and to reduce unit costs. You can not only increase your competitiveness through quick small series production but also thanks to sophisticated single orders in the short-term and with utmost precision.

The path-breaking electronic software control, that already masters radius bending in its standard, can be programmed quickly with no computer skills. Anyone can program with the Classic Bend, making it the perfect machine for a wide array of production requirements. The MAKU is the motorized folding machine for increased efficiency in your production.



Standard equipment	
Software control	<ul style="list-style-type: none"> <li>– Positioning control Classic Bend, touchscreen monitor turnable on switch cabinet</li> <li>– Radius function</li> </ul>
Clamping beam	<ul style="list-style-type: none"> <li>– 45° clamping beam with clearance 65 mm</li> <li>– Drive: middle motor 0,75 kW (converter-controlled, eccentric drive)</li> <li>– Clamping beam stroke: 150 mm</li> <li>– Clamping pressure adjustment via handwheel (without tool)</li> <li>– Tinsmith blade 20° (WZS 080) , R 1/1.5 ca. 700 N/mm<sup>2</sup>, clearance 12 mm for hems, foot width 24 mm; optionally sharp-nose blade 20°, foot width 36 mm, directly screwed to clamping beam</li> </ul>
Folding beam	<ul style="list-style-type: none"> <li>– Drive: 1.5 kW (converter-controlled)</li> <li>– Manual folding beam adjustment: 30 mm</li> <li>– Folding blades (WZS 100) 10 mm and 25 mm (from working length 3200 mm: 15 and 25 mm); ca. 700 N/mm<sup>2</sup></li> </ul>
Bottom beam	<ul style="list-style-type: none"> <li>– Bottom beam blade (WZS 270), one-piece, ca. 700 N/mm<sup>2</sup>, from 30 mm: 8 mm lowered depending on chosen gauge <ul style="list-style-type: none"> <li>– without finger grooves</li> <li>– with finger grooves 6 mm or optionally 10 mm</li> </ul> </li> </ul>
Others	<ul style="list-style-type: none"> <li>– Foot switch</li> <li>– Anchor plates incl. dowels</li> </ul>

Special equipment		
Software control	– POS 2000 Professional graphic control on swivelling arm	
Clamping beam	– One-stage clamping beam drive for tool height 130 mm incl. clamping and adapter (clamping rail from standard configuration dropped)	
Folding beam	– Manual crowning device, central (not in combination with cranked folding blade)	
Table and back gauge	<div><div><div>Classic Bend</div><div>POS 2000 Professional</div><div>POS 2000 Professional incl. conical bending</div></div><div>Back gauge, motor. 6 - 1,000 mm or 10 - 1,000 mm</div><div><div>10 gauge fingers (with 2000 mm)</div><div>12 gauge fingers (with 2500 mm or rather 3200)</div><div>12 gauge fingers</div></div><div>removable sheet support plates; retractable to 265 mm or rather 300 mm</div><div><div></div><div>POS 2000 Professional control</div><div>POS 2000 Professional incl. conical bending</div></div><div>All drives converter-controlled</div></div> <div><div>– Back gauge motorized 1,500 mm with 2 gauge sectors incl. pneumatically lowerable gauge fingers</div><div>– Back gauge with spring fingers (bottom beam blade without finger grooves)</div><div>– Pneumatic lowerable gauge fingers</div><div>– Two gauge fingers for conical bending, adjustment range 5 mm</div><div>– Two additional gauge fingers for conical bending, adjustment range 5 mm; pneumatically lowerable (only in combination with the option pneumatically lowerable gauge finger)</div></div>	
Safety and Others	<div><div>– Additional equipment for 2-man-operation in accordance with accident prevention rules</div><div>– Foot switch on rail for lateral movement</div><div>– Cutting device for max. sheet thickness 0.8 mm and guide rail</div><div>– Tool options see p. 26</div></div>	

# Dimensions and technical data



MAKU	2,000 x 2.5	2,500 x 2.0	3,200 x 1.5
Working length (a)	2,020 mm	2,520 mm	3,220 mm
Sheet thickness (400 N/mm²)	2.5 mm	2.0 mm	1.5 mm
Machine length (b)	3,275 mm	3,775 mm	4,475 mm
Length of working area (c)	2,420 mm	2,920 mm	3,620 mm
Machine height (d)	1,255 mm		
Working height (e)	870 mm		
Weight	2,150 kg	2,400 kg	2,700 kg
Machine width			
Without gauge	995 mm		
Sheet support table 1,000 mm	1,970 mm		
Back gauge, motorized 1,000 mm resp. 1,500 mm (f)	1,970 mm		
Clamping beam			
Stroke	150 mm		
Drive power	0.75 kW		
Speed	65 mm/sec (85 mm/sec)		
Folding beam			
Adjustment	30 mm		
Drive power	1.5 kW		
Speed	90°/sec)		
Back gauge			
Speed	300 mm/sec		

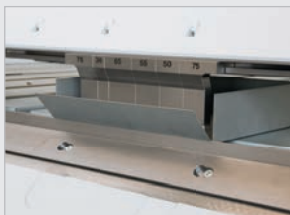
Thanks to the set back folding beam with a cranked folding blade trapezoidal sheets and profiles with standing seams are very easy to bend.

All specifications are considered as guidelines and may be subject to changes at any time.



## Various table and back gauge options

We offer you back gauges and different sheet support table options that are perfect for your requirements. The support plates of the back gauge table can be retracted easily by hand. Thus you create more space. Optionally the back gauge table can be equipped with steel balls in order to position the sheet more smoothly. Furthermore, you are able to extend the back gauge with spring fingers. In order to turn the sheet on the table more comfortably we offer you the possibility to lower the back gauge fingers pneumatically.



## Practical tools and recessed folding beam

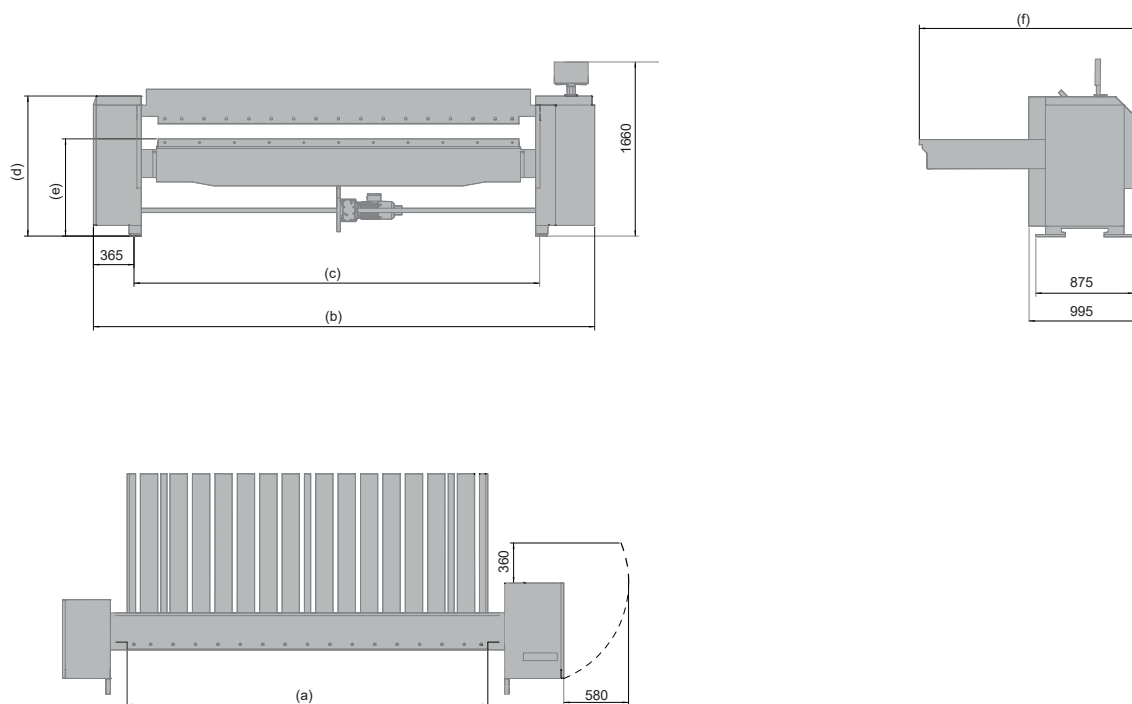
The tool system WZS 010 for the MAKU can be acquired optionally and has already been used for many Schröder machines for a long time. The segmented goat's foot tools enable bending up to 110 mm high boxes. Likewise, a set back folding beam with a cranked folding blade enables new possibilities such as the bending of top-hat and standing seam profiles or trapezoidal sheets.



## Conical bending

The MAKU is also available with a 2 axis back gauge. No matter whether you want to bend parallel or conical! We develop solutions to facilitate your work. So get your MAKU and break new grounds!

## Dimensions: MAKU with Classic Bend control



## Dimensions: MAKU with POS 2000 Professional control

