

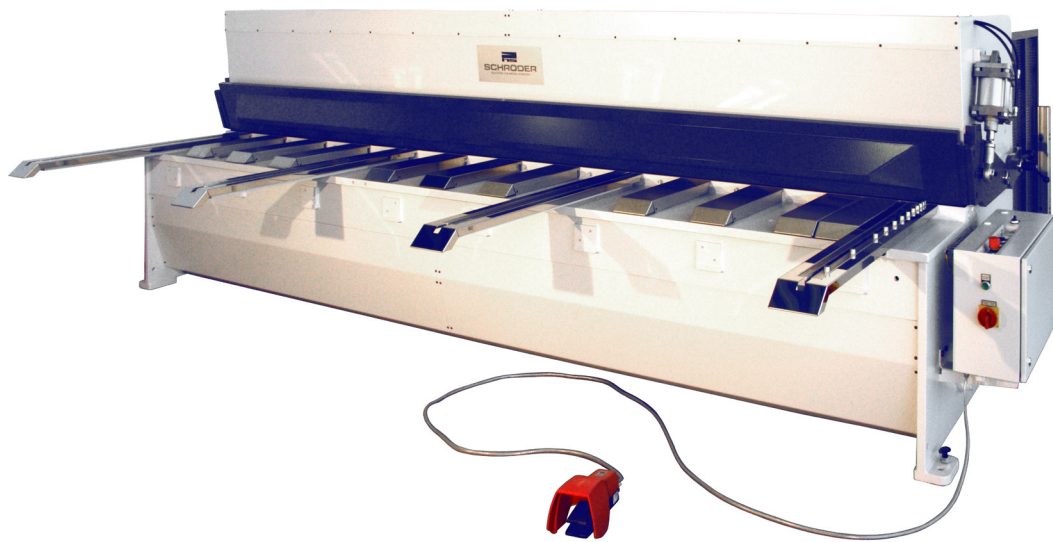


MOTORIZED SWING BEAM SHEAR

MSS

# MSS – precise cuts in continuous operation

The Schröder-oscillating cutter model MSS has been designed for highest quality requirements for sheet metal and plastic processing.



Sheet holding device

More than two decades of experience is the result of the technology and the design of cutting almost any metal and non-metal material in every range of cutting.

With the aid of the very latest technology and production methods we can now offer an oscillating cutter with highest efficiency.

## Precise cuts for continuous operation

The swing beam shear type MSS is able to cut up to 5 mm sheet metal and guarantees accurate, plane parallel and edge-free cuttings. An optional central adjustment of cutting slots provides for a perfect adaptation to the material.

## Easy operation

A compact and clearly laid out machine construction as well as an ergonomic design and arrangement of all control and display elements in the central control panel enable an easy handling of the machine.

# Several equipment options for every cutting requirement



## Standard equipment

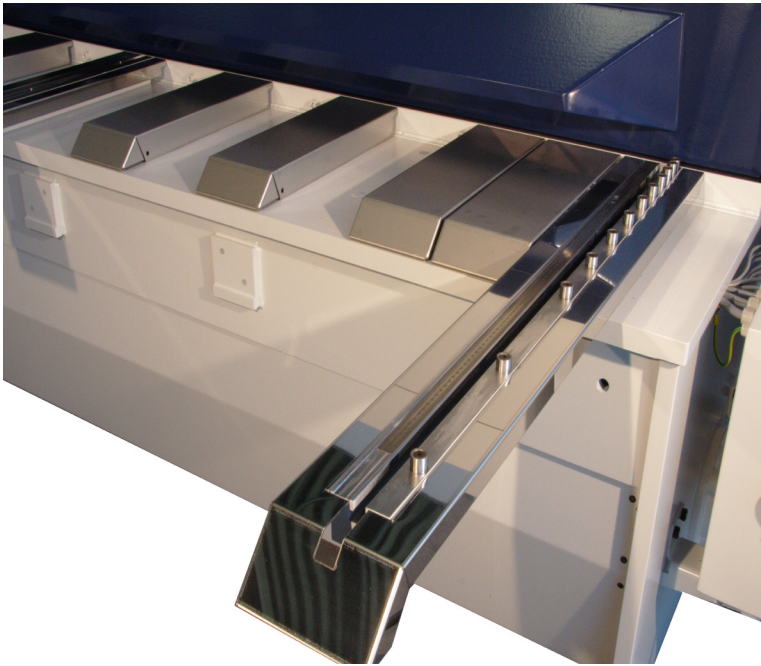
MSS	
Manual back gauge 750 mm	
Hold-down device with hard rubber rail to protect polished sheets	
Manual blade gap adjustment, two sides	
Extended angle gauge, right, with T-slot and scale 1000 mm	
All-steel bottom blade, four-edged	
All-steel upper blade, double-edged	
2 sheet support arms with T-slot and scale 1000 mm	
Cutting edge illumination	
Table with exchangeable stainless steel plates	
Selector switch for single and continuous stroke	
Anchor plates incl. dowels	
Footswitch	

## Special equipment

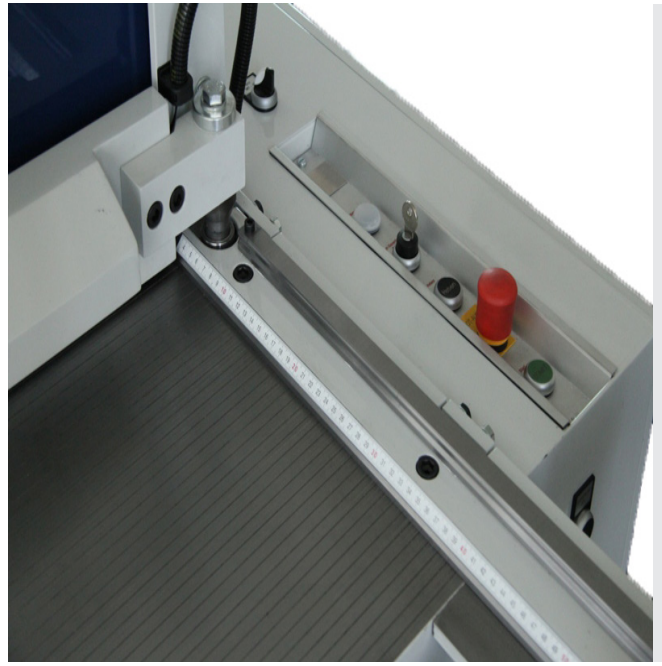
	MSS
Safety	Obligatory CE safety package for standard machines rear guarding via 2-beam light barrier incl. side protection grid (included with ordering a sheet support and/or motorized gauge option)
Blades	Blades designed for stainless steel, instead of standard blades
Others	<ul style="list-style-type: none"> <li>- Pneumatic hold-down device</li> <li>- Stroke counter (in combination with POS 100 incl.)</li> <li>- Manual blade gap adjustment, central</li> <li>- Motorized adjustment of cutting slot (only in combination with POS 100)</li> <li>- Sheet stacking cart</li> </ul>
Gauge	see page 7
Tables	see page 7

# Highest efficiency in standard

The MSS already represents a productivity gain in its standard equipment.



Extended angle gauge



Angle gauge with electronic length measurement

The powered shear type MSS "Swingbeam" enables a professional and powerful way of cutting. The Swingbeam-Technology optimally transforms the power into a cutting movement so that the machine remains its power reserves.

The manual back gauge provides for an easy and at the same time exact positioning of the sheet. It can be adjusted with easy crank movements just as needed. Thanks to its easy handling the machine can be operated easily by one person and without any time-consuming training for employees.

## Exact positioning

The extended angle gauge arranges for a precise positioning of the work piece and thus for an exact cutting result. This not only facilitates the handling of greater sheets but also increases your productivity.

The extended angle gauge is optionally available with an electronic length measurement system.

# Ergonomic design

At the Schröder swing beam shear type MSS all control elements and design elements in the central operating panel are adapted to ergonomics.



Linear guide, at the front for movable table support arms and table with ball rollers

As an option for the manual back gauge the Schröder swing beam shear adjusts the back gauge motor-driven via the software control POS 100. The NC-positioning gauge with 9-step program can program gauge length up to 750 mm or 1000 mm. It is able to considerably facilitate the handling as well as the precise positioning in contrast to the manual adjustment.



NC positioning gauge POS 100



Motorized blade gap adjustment

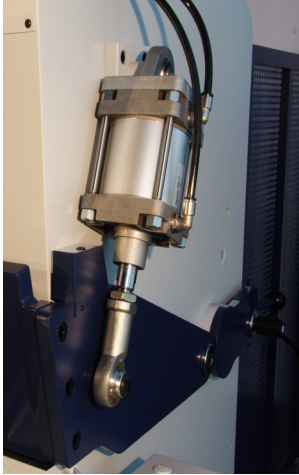


Manual blade gap adjustment

The blade gap can be centrally adjusted via a lever with one simple manual action. Optionally this blade gap can also be acquired as motorized function.

A pneumatically, backwards controlled sheet holding device provides for an easy removal of the sheet metal and represents a significant improvement in efficiency. In addition a sheet stacking cart assures simplified logistics and rapid processing.

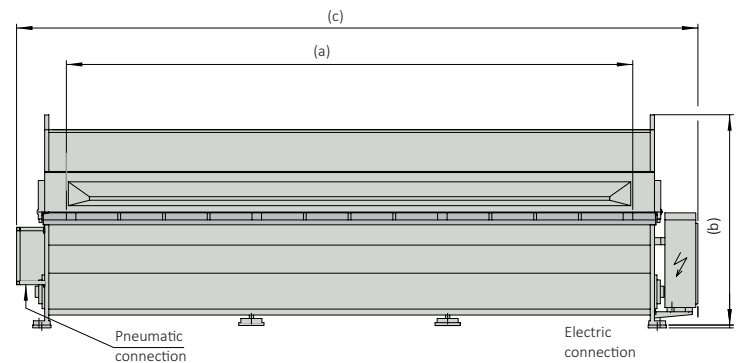
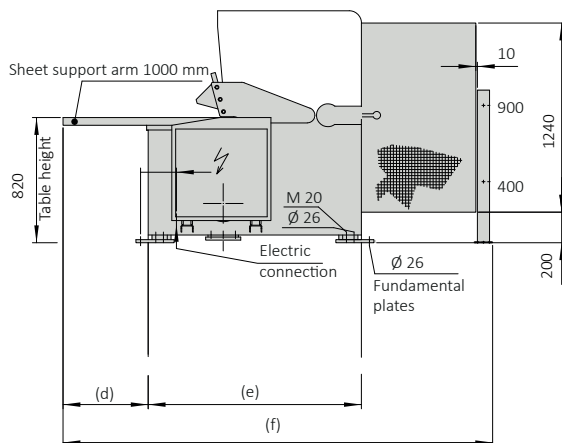
# Dimensions and technical data MSS



Pneumatic hold-down device

MSS	MSS Classic			MSS Duo-Cut			
	1 000 x 5,0	1 250 x 5,0	1 500 x 4,5	2 000 x 5,0	2 500 x 5,0	3 000 x 5,0	4 000 x 4,0
Working length (a)	1 040 mm	1290	1540 mm	2 040 mm	2 540 mm	3 040 mm	4 040 mm
Sheet thickness (400 N/mm <sup>2</sup> )	5,0 mm	5,0 mm	4,5 mm	5,0 mm	5,0 mm	5,0 mm	4,0 mm
Table height (b)	820 mm						
Machine length (c)	1840	2090	2340	2 860 mm	3 360 mm	3 860 mm	4 860 mm
Efficiency	7,5 kW			2 x 5,5 kW			
Number of strokes	42/min			32/min			
Weight	2240 kg	2440 kg	2640 kg	3 740 kg	4 440 kg	4 780 kg	5 780 kg
Machine width (d)	600 mm			660 mm			
Machine width (e)	1150 mm			1400 mm			
Machine width with manual back gauge 750 mm (f)	2350 mm			2920 mm			
Machine width with manual back gauge 1000 mm (f)	2600 mm			2920 mm			
Machine width with motorized back gauge (POS 100) 750 mm (f)	2610 mm			2920 mm			
Machine width with motorized back gauge (POS 100), 1000 mm (f)	2960 mm			2920 mm			

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



# Gauges and Tables

	MSS Classic	MSS Duo-Cut
Gauge	Manual back gauge 1000 mm	
	NC- positioning gauge POS 100 with 9-step program 750 mm	
	NC - positioning gauge POS 100 with 9-step program 1000 mm	
	Sheet holding device, pneumatically controlled backwards	
	Sheet return (push-back) incl. pneumatically support (material to the back)	
Table	sheet support arm with T-slot and scale- 1500 mm - 2000 mm incl. Fußstütze	
	Extended angle gauge, right or left, with T-slot and scale - 1500 mm - 2000 mm incl. foot rest	
	Extended angle gauge (left or right) with scale, incl. lateral flip gauge on linear guide - 1000 mm - 1500 mm - 2000 mm incl. foot rest	
	Extended angle gauge, right or left, with electronic length measurement system, fine adjustment and lateral flip gauge on linear guide - 1000 mm - 1500 mm - 2000 mm incl. foot rest	
	Adjustable angle gauge with scale division 0 – 180°	
	Tipping gauge for insertion in T-slot	
	Linear guide, at the front for movable table support arms (without support arms)	
	Moveable support arm for linear guide at the front incl. T-slot and scale - 1000 mm - 1500 mm - 2000 mm incl. movable foot rest	
	Support plate as closed table	
	Support plate with ball rollers as closed table	



## Schröder Group

The Schröder Group consists of Hans Schröder Maschinenbau GmbH, which is located in Wessobrunn, Germany, and SCHRÖDER-FASTI Technologie GmbH, which is located in Wermelskirchen, Germany.

Founded in 1949, Hans Schröder Maschinenbau GmbH unifies traditional and modern approaches in machine building: Successfully managed as a quality and customer-oriented, family-owned company, Hans Schröder Maschinenbau is specialized in the development of modern machine concepts for bending and cutting sheet metal.

The successful integration of the Fasti Company in 2006 and its worldwide presence make the Schröder Group one of today's leading providers of machines for bending, cutting, beading, flanging, and circular bending all types of sheet metal. The company's precision machines range from proven solutions for craftsmen to innovative, high-performance machines for automatic industrial production processes. Overall, the Schröder Group currently employs more than 240 people at various locations at home and abroad.

All information provided as a guide only  
and subject to change at all times.  
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