



HYDRAULIC SHEAR  
**PowerShear**

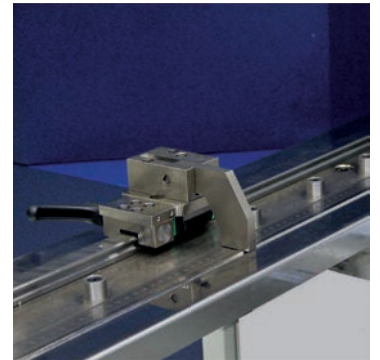
# Hydraulic shear PowerShear

The hydraulic shear PowerShear is the industrial solution in order to cut loads of big sheets at high speed. The robust and yet precise machine is ideal for continuous operation in workshops, mid-sized companies and the industry.



The PowerShear Professional with energy-efficient drive ensures precise, burr-free and torsion-free cuttings..  
The picture above shows the machine with the optional Professional-Package.

Lateral angle gauge 1000 mm standard with scale incl. flipping gauge on linear guide.



Sheet support, pneumatically controlled

The design of the extreme rigid machine body of the new PowerShear Professional is based on decades of experience in industrial cutting. It was engineered with state of the art tools, using the finite elements method and computer simulations.

Thanks to an energy-efficient drive with a converter-controlled motor and a hydraulic pump, the machine is able to handle the most difficult cutting operations and materials. Besides single-cut operations also serial production is possible by using a converter-controlled motorized back gauge.

The advanced electronic control for programming cutting steps is operated via a touch display.

Technical data	3,000 x 6.0	4,000 x 6.0
Working length [mm]	3,040	4,040
Sheet thickn. 400 N/mm <sup>2</sup> (700 N/mm <sup>2</sup> )	6.0 (4.0)	6.0 (4.0)
Shear angle adjustm. [°]	0.5 - 1.8	0.5 - 1.8
Machine width [mm]	3,090	3,090
Machine length [mm]	4,000	5,000
Machine height [mm]	1,969	1,969
Weight, ca. [kg]	6,500	8,400
Stroke [pro.min.]	24-61	20-56
Drive power [kW]	12.0	12.0

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



Moveable table extension  
on linear guide



Sheet shute to the front



Rear view:  
Motorized back gauge and shear  
support as well as rear light barrier.

Standard equipment: PowerShear
12" Touchscreen control PSC 150 on swivel arm (possibility of saving on SD-Card or USB flash drive)
Blades made for steel, ca. 700 N/mm <sup>2</sup>
Energy-efficient drive with frequency-controlled motor and hydraulic pump
Automatic calculation of motorized blade gap adjustment
Automatic calculation of shear angle adjustment
Frequency-controlled motorized back gauge 10 - 1,000 mm
Pneumatic sheet support
LED cutting edge illumination
Programmable start and end position of upper blade
1x angle gauge 1,000 mm standard with scale mounted on the left side
2x table extensions 1,000 mm with T-slot and scale (3x table extensions from working length 4040 mm)
Closed sheet support table with exchangeable stainless steel plates incl. ball rollers
Programming of cutting cycles
Protection of rear side by safety light barrier

Special equipment: PowerShear
<b>Professional-Package 1:</b> Scrap-and part separator to the front for strips up to max. 200 mm incl. „Return to Sender“, free passage of material (swing away back gauge rail), back gauge with linear guide and recirculated ball screws
Spare blades for steel up to ca. 700 N/mm <sup>2</sup>
Extended angle gauge with scale 1500 mm
Table extension with T-slot and scale incl. ball rollers 1500 mm
2x 1000 mm table extensions incl. ball rollers moveable on linear guide
3x 1000 mm table extensions incl. ball rollers moveable on linear guide
Table extension with T-slot and sclae incl. ball rollers 1500 mm movable on linear guide
Tipping gauge for insertion in T-slot
Plastic shoes for hold-down device
Programmable hold-down device
Moveable finger grid protection 1500 mm long with electrical safety switch
Scrap container front side 1000 mm width, moveable, 2 fixed and 2 steering castors (Only in combination with Professional-Package)



## Schröder Group

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

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. 2021 the Schröder Group was expanded by the tool manufacturer SMU GmbH. Overall, the Schröder Group currently employs more than 300 people at various locations at home and abroad.

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