

# The heavy-duty guillotine 527

The heavy-duty guillotine 527 meets the requirements of the demanding craftsman, but can also cope with the constant load of daily industrial practice.



The heavy duty crank guillotine with sturdy permanent accuracy.



Manual back gauge, adjustment range 10 - 600 mm



Manual blade gap adjustment

Standard equipment 527
Software control FM 1S
Electrical safety control, operation modes: Single stroke, continuous stroke, inching
Blades designed for steel, tensile strength ca. 700 N/mm <sup>2</sup>
Flexible table
Angle gauge with scale, 750 mm from blade edge
Back gauge HAH 52, adjusting range 10 - 600 mm
Table extension 750 mm from blade edge
Individual lubrication spots
Continuous hold-down device
Protection of rear guillotine side by safety light barrier

Special equipment 527
Extended angle gauge, mounted on left side inkl. scale and tipping gauge: Gauge dimension 1000 mm, 1500 mm or 2000 mm Tipping gauge (not in combination with standard angle gauge)
Table extension incl. tipping gauge and scale: 1000 mm, 1500 mm or 2000 mm from blade edge
Tipping gauge for table extension (not in combination with Standard table extension)
Steel balls for standard table extension
MAH 51 Motor gauge, adjustment via trapezoidal spindles, FM2 touchscreen control, adjustment range 10 - 1000 mm
Sheet support, pneumatically controlled with sheet support arms inkl. rolls for cuttings from 150 x 300 mm (not in combination with FM 2 control and back gauge MAH 51)
Manual back gauge adjustable from the front with digital readout 750 mm or 1000 mm
Pneumatic hold-down device
Frequency-controlled drive
Cutting table on the left side of the angle gauge closed through filling pieces
LED-cutting edge illumination



Pneumatically controlled sheet support with ball castors.



Flexible table



FM 1S software control

# The right equipment for all tasks

The heavy-duty guillotine is not just a productivity gain with its standard equipment, but its various options increase yours efficiency additionally.

## The guillotine 527 at a glance

### Design

- All-steel welded structure with high rigidity and very short direct power flux between drive and blade
- Diagonal cut with adjustable guides free of play
- Precise blade clearance adjustment
- Continuous holding-down device with variable contact pressure

In this new shearing unit, it is a combination of three crucial features that yields high cutting performance and notable economic efficiency.

- The welded connection between frame and guillotine table gives the all-steel structure very high rigidity
- The location of oscillating crank centre of the driving shaft relative to the cutting beam and cutting beam guide ensures an optimal power flux from drive to blade
- The inclined position of the cutting beam guides, in conjunction with easy blade clearance adjustment, helps to optimize cut precision.

## Working on the table

The 527 guillotine has a flex table with the ergonomically correct height of 800 mm, which is prerequisite of fatigue-free work and, hence, a contribution toward safety at the workplace. The wide range of accessories creates optimal conditions for all jobs.

## Efficient sheet support

The sheet support table carries the sheet in an horizontal position and directly guides it to the gauge. After the cut has been made, the sheet can be placed at the back of the machine.

## Quality of the cut

The high cutting quality achieved by the guillotine 527 is mainly thanks to the following factors:

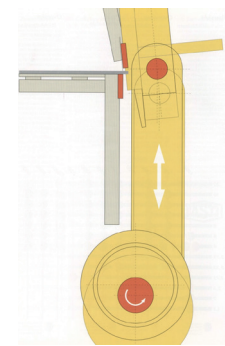
- Blade clearance adjustment at the front of the machine
- Continuous guiding of the cutting beam free of play by adjustable guides
- Quick and safe blade changes

## Hold-down device

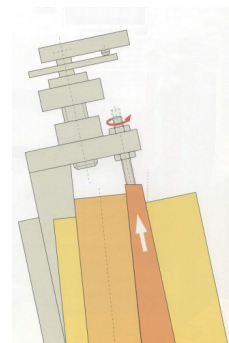
The contact pressure of the continuous holding-down device is adapted to different material types and surfaces by adjustable spring assemblies.

## Technical data and dimensions

527	10/4	12/4	16/3,75	20/3,25	25/3,25	32/2,75
Working length (mm)	1,040	1,290	1,40	2,040	2,540	3,240
Sheet thickness (400 N/mm <sup>2</sup> ) (mm)	4.0	4.0	3.75	3.25	3.25	2.75
Stroke (1/min)	50					
Cutting angle (°)	1.6°	1.3°	1.3°	1.0°	1.2°	1.0°
Table extension	1	1	1	2	2	2
Holding-down force (mm)	13,000					
Min. leftover on table (mm)	30					
Min. leftover behind table (mm)	10					
Space requirement „B“ (mm)	870	870	870	970	970	970
Space requirement „L“ (mm)	1,845	2,095	2,445	2,845	3,345	4,018
Back gauge HAH 52 (mm)						
Adjusting range (mm)	750					
Space requirement „T“ (mm)	1,800					
Back gauge MAH 51 (mm)						
Adjusting range (mm)	1,000					
Speed (mm/s)	333					
Positioning accuracy (mm)	0,1					
Space requirement „T“ (mm)	2,450					
Motor power (kW)	7,5					
Weight (kg)	1,600	1,900	2,200	2,600	3,200	4,000



Slideway guided cutter bar with eccentric drive.



Extremely accurate blade gap adjustment via wedges.

All dimensions in mm  
Standard colour: RAL 7035 light grey, RAL 5003 sapphire blue. Special painting at an extra charge.

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## 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 250 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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HEAVY-DUTY GUILLOTINE

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