

MANUAL & MOTORIZED SHEARS

MACHINES FOR THE ENTIRE
RANGE OF TOP-QUALITY SHEET METAL WORK



 **SCHECHTL**

WE WORK HARD TO MAKE SURE YOU CAN MAKE THE BEST CUT

PIONEERING SPIRIT AND INNOVATION.
BORN OF PASSION FOR THE SHEET METAL TRADE.

WE PLACE A HIGH PRIORITY ON THE SUCCESS OF OUR CUSTOMERS

At Schechtl, we aim to find ideas and solutions that make life easier for those who work in the sheet metal trade.

And it's been this way since the very beginning. Since then, this aspiration has given rise to numerous innovations: from the invention of bending technology to mobile data transfer for finished edge profiles.

Founded in 1910 as a simple smithing outfit and guided by loads of pioneering spirit, Schechtl now ranks among the world's leading manufacturers of bending machines and shears for the processing of thin sheet metal.

LOYALTY COUNTS

We take our seal of quality ("Made in Germany") very seriously. We produce and assemble all of our machine parts exclusively in Germany. Our commitment to our location is also particularly evident in our longstanding close ties to partners and suppliers in the region.

Schechtl is a family business, owner-operated for over 100 years and now in its fourth generation.

A combination of healthy growth and strong economic stability means that our corporate development strategy is geared towards the long haul.

THANK YOU FOR YOUR CONFIDENCE

Very high quality, incredible durability, and outstanding reliability – that's what generations of clients in Germany and abroad have said about our products. While we're extremely honored by these words, they also motivate us to keep our standard of quality at a high level.

That's why we not only invest in technology, but also in creating an atmosphere of positivity and trust as well as in the knowledge of our employees. Because ultimately, the thing that truly helps a business get ahead is the commitment and competence of the people who determine its path. Satisfied employees are more committed, a fact that our customers can observe daily.

Maria Schechtl

Maria Schechtl
Managing Director



PRODUCT FINDER

YOU WILL FIND THE RIGHT SHEAR FOR YOUR NEEDS
WITH THE PERFECT COMBINATION OF WORKING LENGTH,
CUTTING PERFORMANCE AND CONTROL.

1. WHICH MATERIALS AND THICKNESS DO YOU PRIMARILY CUT?

2. WHICH FORMAT DO YOU MAINLY CUT?

3. TO WHAT EXTENT DO YOU WANT TO AUTOMATE THE WORK STEPS ON YOUR SHEAR?

4. WHAT IS THE FOCUS OF YOUR PRODUCTION PROCESSES?

- Mainly cuts for small-scale sheet metal work
 - Highest cutting quality of the manual shears: the **HT** (p. 4–5)
- Extensive cutting volume for sheet metal work on roofs and exteriors
 - Strong motor, flexible with a lot of accessories, two efficiency packages: the **SMT+MSB** (p. 8–9)
- High cutting performance for production in the industrial trade sector
 - Powerful, flexible, ideal for serial production and energy efficient: the **MSC** (p. 12–13)

Machine type	HT			SMT			MSB			MSC		
	Manual			Motor			Motor			Motor		
Working length	Steel 400 N/mm ²	Aluminum 250 N/mm ²	Stainless steel 600 N/mm ²	Steel 400 N/mm ²	Aluminum 250 N/mm ²	Stainless steel 600 N/mm ²	Steel 400 N/mm ²	Aluminum 250 N/mm ²	Stainless steel 600 N/mm ²	Steel 400 N/mm ²	Aluminum 250 N/mm ²	Stainless steel 600 N/mm ²
1040	1.75	2.25	1.00	3.50	5.50	2.25	4.00	6.00	2.50			
1540	1.50	2.00	0.80	2.50	4.00	1.50	3.50	5.50	2.25			
2040	1.25	1.75	0.80	2.50	4.00	1.50	3.00	4.50	2.00	4.00	6.00	2.50
2540	1.00	1.50	0.60	2.00	3.00	1.25	2.50	4.00	1.50	3.50	5.50	2.25
3100	1.00	1.50	0.60	1.50	2.25	1.00	2.00	3.00	1.25	3.00	4.50	2.00
4040										2.50	4.00	1.50
4500										1.50	2.50	1.00
Control systems	manual			BV BVH			NC NCH			BV BVH		
Sheet support	manual (optional)			Pneumatics for BV, BVH, NC and NCH included								

Important to know:
The choice of control system
does not change the cutting per-
formance of the machine model.

BV
BV CONTROL SYSTEM
Cutting material tray, front

- manual backgauge
- Metal sheet holder + tilting table

NC
NC CONTROL SYSTEM
Cutting material tray, front

- motorized backgauge
- programmable cutting control

BVH
BVH CONTROL SYSTEM
Cutting material tray, rear

- manual backgauge
- Metal sheet holder + tilting table

NCH
NCH CONTROL SYSTEM
Cutting material tray, rear

- motorized backgauge
- programmable cutting control

THE PERFECT CUT MANUAL. EASY. PRECISE.

THE HIGHEST QUALITY SHEET METAL CUTTING.

WITH THE **HT** MANUAL SHEARS, YOU WILL MAKE
THE PERFECT CUT FOR ANY PROJECT.

ECONOMIC. DURABLE. EXTREMELY CLEVER.

- quality of the basic equipment sets high standards
- precise cutting quality at the level of Schechtl motorized shears
- simple – easy to use and reliable for the last 40 years

THE HT OFFERS EXTENSIVE ACCESSORIES FOR MANUAL SHEARS

Whether in a metalworking shop, long-term job sites or for repair work, sheet metal workers, roofers and carpenters will find the right model for their requirements with the **HT** series shears.

The line of profiles starts with the **HT 100** with a 1 m working length and ranges to the **HT 310** with a 3.10 m working length and a 1 mm steel plate cutting performance.

BENEFITS

AREAS OF APPLICATION

- cutting of thin sheet metal for all sheet metal work on roofs and exteriors
- can be used anywhere power supply is not possible or necessary
- compact dimensions, ideal for sites with limited space

EXTREMELY EASY OPERATION

- efficient and cost-saving one-man operation
- triggering of cutting movement without expenditure of force with only an operating lever on the left or right side
- ergonomic working height eliminates back strain
- the extending table makes it easier to guide large-sized metal plates onto the table
- the mechanical sheet support gently deposits the cutting material to the front (optionally available)
- collect and conveniently transport cutting material on the optional blank wagon
- quick, easy blade exchange

PRECISION WORK FOR ALL CUTTING SIZES

- flexible measuring at any point – easily readable, rust-resistant measuring tapes and dimensioning lines in the supporting table
- angular stop for mitre cuts with measuring scale and detent (optionally available)
- the manual backgauge ensures comfortable and precise positioning of the cutting material
- no slipping and sliding – the automatic hold-down device with hard rubber insert holds the metals plates firmly in place during the act

TECHNICAL FEATURES

MACHINE DATA

- sturdy and compact steel construction
- all bearings and guides maintenance-free
- cutter bar made of profile steel, drive via eccentric unit
- triggering of cutting movement via one of the operating levers on either side
- weight balancing for the cutter bar with tension springs in the two side stands
- high-quality, durable blade made of steel or optionally of chrome steel
- optionally extended support arms and angular stop
- optional blade light (requires electrical connection)

Proven
10.000
times



Angular stop, extended (optional)



Blank wagon (optional)



Supporting table with calibration
and extendable sheet metal tray



BV control with electronic
position indicator (option)
see page 6



Sheet support, front delivery
(optional)

HT

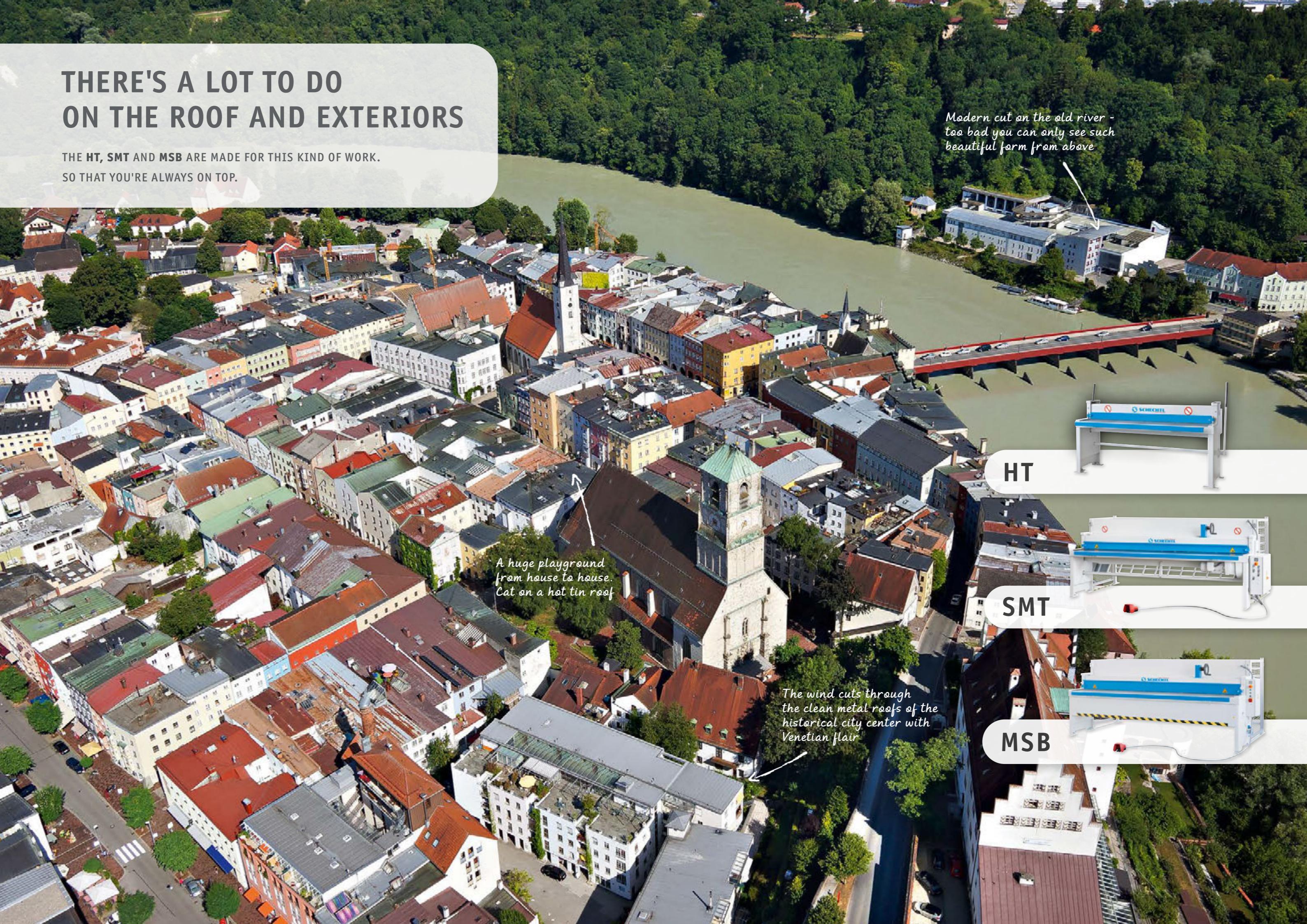


MANUAL

THERE'S A LOT TO DO ON THE ROOF AND EXTERIORS

THE HT, SMT AND MSB ARE MADE FOR THIS KIND OF WORK.

SO THAT YOU'RE ALWAYS ON TOP.



THE DUO FOR THE PERFECT START IN THE MOTORIZED CLASS

BREAK DOWN BARRIERS TO PERFORMANCE WITH THE **SMT** AND **MSB** MOTORIZED SHEARS.

THE FIRST CHOICE FOR CHALLENGING SHEET METAL WORK ON ROOFS AND EXTERIORS.

HIGH ENERGY SAVING MODEL WITH OPTIMAL ENERGY BALANCE

- high flexibility in production processes due to highly variable equipment
- the **SMT** and **MSB** are two particularly compact shears for the highest efficiency in the tightest of spaces
- cutting of sheet metal and many other materials

EASY AND MORE THAN YOU EXPECT

As with all Schechtl motorized machines, we remain true to our strategy and deliver the **SMT** and **MSB** to you with comprehensive basic equipment. So you can get to work right away. If you would like to optimize your individual production processes even more, supplement this model with accessories suitable for your requirements.

BENEFITS

AREAS OF APPLICATION

- challenging requirements and recurring cutting profiles in thin sheet metalwork
- sheet metal workers, carpenters, roof and exterior handiwork

EXTREMELY EASY OPERATION

- convenient equipment for ergonomic one-man operation at low cost
- extending table for work that is gentle on the back, particularly with large-sized metals plates
- automatic hold-down device with slip-resistant hard rubber insert holds the cutting material firmly in position
- pneumatic sheet support and the optional sheet slide deposits the cutting material gently (**BV**, **BVH**, **NC** and **NCH** control system)

OPTIMAL ADJUSTMENT TO YOUR PRODUCTION PROCESSES

- depending on the material flow in your workshop, you decide whether your shears should deposit the cutting material to the front or the rear – both models are available ex works (**BV**, **BVH**, **NC** and **NCH** control system)
- with the optional blank wagon, you can move the cutted material gently and comfortably

TECHNICAL FEATURES

HIGH STANDARD OF SAFETY

- fastening of the cutting material with automatic hold-down device with intrusion protection
- triggering of cut with movable foot switch
- emergency stop button
- rear safety cage protects against unauthorized access

THE PRINCIPLE OF PREMIUM QUALITY

- sturdy, high-quality steel construction
- slotted guide system and eccentric drive
 - high power yield even with thick plates
 - low energy consumption
 - torsion-free cuts
- powerful, quiet gear motors
 - energy-saving model, energy consumption only during cutting
 - very quiet, durable and precise
- blade made of steel or alternatively chrome steel

The **SMT** and **MSB** are available with the following control systems:

BV **BV CONTROL SYSTEM**
cutting material tray, front

BVH **BVH CONTROL SYSTEM**
cutting material tray, rear

NC **NC CONTROL SYSTEM**
cutting material tray, front

NCH **NCH CONTROL SYSTEM**
cutting material tray, rear

Control system details on p. 16–17

SMT POWER



MSB MORE POWER



MOTOR



MODERN XXL ROOFS

ATTRACTIVE SHEET METAL AND LARGE FORMATS
ARE THE PASSION OF THE MSC.
IT CAN HELP YOU REACH GREAT HEIGHTS.

Classic forms in the church tower - finely cut from the best sheet metal

We can make our roofs more beautiful, and even the big city will have the perfect look from above

The harmonic combination of tradition and modernity creates a streamlined look

MSC



DOUBLE THE STRENGTH. EFFECTIVE IN SO MANY WAYS. PRECISION THAT SETS NEW STANDARDS.

YOUR BEST BET FOR PARTICULARLY HIGH-QUALITY THIN SHEET METAL APPLICATIONS.

THE **MSC** OFFERS PEAK PERFORMANCE FOR MOTORIZED SHEARS.

THIS STURDY PACKAGE MAKES THE CUT IN TERMS OF PROFITABILITY

- cost-saving model with high degree of effectiveness
- top cutting performance with low energy requirements
- most extensive basic equipment of the motorized shears

BALANCE WITH DOUBLE THE FORCE

The **MSC** is driven by 2 motors. This principle creates the optimal balance of the cutting power throughout the entire working length. This means much easier guiding of the cutting bar, which in turn increases the cutting precision enormously.

BENEFITS

AREAS OF APPLICATION

- specific, complex requirements in light metal and exterior construction
- industrially oriented metalworking trade
- continuous operation, rapidly changing cutting profiles and serial production

WITH AN EYE TO THE PERFECT CUT

- scales on both sides for easy adjustment of the cutting gap in various sheet thicknesses
- the blade light gives clear view of the cutting position (optionally available)
- automatic hold-down device and slip-resistant hard rubber insert hold the cutting material firmly in place
- backgauge and angular stops with T-slot position the cutting material precisely throughout the entire working length
- adjustable and extendable support arm on the shear table facilitate work with large-sized metals plates
- exchangeable stainless steel boxes make it possible to adapt to different materials
- quick and easy exchange of the blade knives by single stroke tilt operation

ECONOMIC CONVENIENCE PACKAGE

- even the strongest motorized shears from Schechtl can be handled with cost-saving one-man operation
- link drive with 2 motors – balanced forces protect the machine and material

OPTIMAL ADJUSTMENT TO YOUR PRODUCTION PROCESSES

- you can perfectly adjust the cutting material tray to the material flow of your workshop – you select the front- or rear-sheet support variants ex works
- the pneumatic sheet support can be operated from the front with both variants
- it is most convenient to deposit cutting material made of heavy and large-sized metals plates to the rear, as this facilitates removal and reduces setup times
- if you prefer cutting material be deposited to the front, the sheet slide with integrated sheet capture or the blank wagon (optionally) with the benefit of convenient transport are available

TECHNICAL FEATURES

HIGH SAFETY STANDARDS

- fastening of the cutting material with automatic hold-down device with intrusion protection
- triggering of cut with movable foot switch
- emergency stop button
- rear safety cage protects against unauthorized access

CONSIDERABLY SHORTER SETUP TIMES DURING MATERIAL CHANGE

- cutting clearance setting can be aligned without tools
- double-edged reversible blades are the standard

STABLE CONSTRUCTION VALUES

- force-absorbing, specially-dimensioned and torsion-free box construction made of steel
- maintenance-free slotted guide system
 - high efficiency with low energy needs
 - minimum surface load
 - torsion-free cuts
 - durability in long-term use
- powerful, very quiet gear motors
 - energy-saving model despite drive with two motors
 - energy consumption only during cutting
 - durable and precise

The **MSC** can be delivered with the following control system:

BV **BV CONTROL SYSTEM**
cutting material tray, front

BVH **BVH CONTROL SYSTEM**
cutting material tray, rear

NC **NC CONTROL SYSTEM**
cutting material tray, front

NCH **NCH CONTROL SYSTEM**
cutting material tray, rear

Control system details on p. 16–17



Blade light (LED)
(optional)

Extended support arm with
angular stop and T-slot
(optional)

Cutting gap setting can
be adjusted without tools

Exchangeable boxes for various
cutting materials

Programmable cutting
control system and data-
base for cutting profiles
and cutting sequences
(NC+NCH control system
variant)

MSC

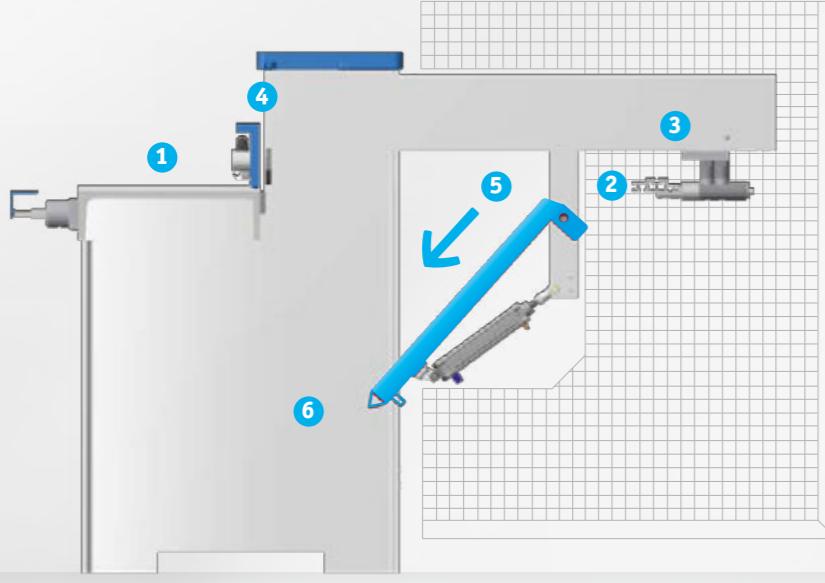


MOTOR

THE OPTIMAL SHEET SUPPORT MODELS IN THE MATERIAL FLOW OF YOUR PRODUCTION PROCESSES

TWO PROVEN OPERATING CONCEPTS SUPPORT PRODUCTIVITY.

← FRONT DELIVERY 



EVERYTHING WITH ONE-MAN OPERATION

- 1** The operator lays the metal plates on the shear table and guides it through the cut opening through the hold-down device. Extending table or support arm reduce the expenditure of force.
- 2** The sheet support bars elevate the sheets somewhat. This makes it easier for the operator to move large-sized sheets and position them precisely on the backgauge throughout the entire cutting widths.
- 3** After the exact positioning process the operator controls the cutting position. The optional blade light placed in the hold-down device lights up the cutting area and creates a clear view for precise cuts.
- 4** The operator triggers the cutting process with the foot pedal. This fastens the metal plates with the automatic hold-down device. After the cut, the cutting bar moves back to the initial position.
- 5** Then the pneumatic sheet support takes over: it automatically swivels downwards. The cutting material slides carefully and gently into the sheet tray. Then the sheet support rises and lowers back into the initial position, simultaneously with the cutting bar.
- 6** The cutting material is stacked plate-on-plate in the sheet slide, or even better in the blank wagon, which the operator can use to transport it to the next production step.

STARTING FROM THE BEGINNING – BENEFITS OF SHORT PATHS

Shears with **BV**- and **NC** control systems are continuously operated from the front. This affects all functions, loading of the shears, depositing and removal of the cutting material. This variant is a good choice for tight spaces.

Large-sized sheets are heavy and hard to carry. Our shears support you with this challenge every day with ease. Our principle of one-man operation applies for all shears. One operator masters all work processes precisely and in minimal time.

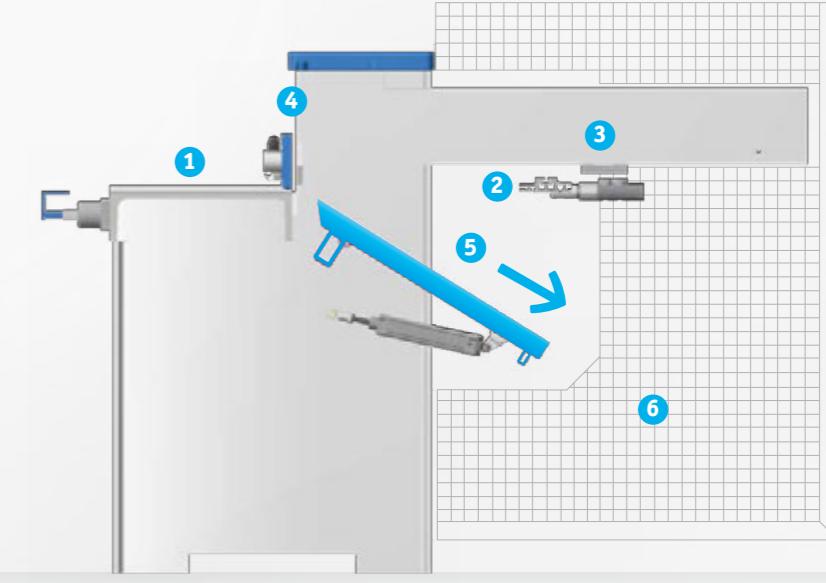
BV CONTROL SYSTEM
cutting material tray, front

- manual backgauge 0 - 750 mm
- analog or digital display

NC CONTROL SYSTEM
cutting material tray, front

- motorized backgauge 0 - 750 mm
- programmable digital display

 **REAR DELIVERY** 



THE NEW TASK AT THE FRONT – THE PROCESS CONTINUES AT THE BACK

Shears with **BVH** and **NCH** control systems are loaded with metal plates from the front, while the cutting material is taken from the rear side of the machine.

BVH CONTROL SYSTEM
cutting material tray, rear

- manual backgauge 0 - 750 mm
- analog or digital display

NCH CONTROL SYSTEM
cutting material tray, rear

- motorized backgauge 0 - 750 mm
- programmable digital display

CONTROL SYSTEMS

TO WHAT EXTENT WOULD YOU LIKE TO AUTOMATE THE CUTTING OF THIN PLATES?
SELECT THE IDEAL CONTROL SYSTEM TYPE FOR YOUR REQUIREMENTS FROM THE
DIFFERENT VARIANTS.



BV CONTROL SYSTEMS

MORE CONVENIENT FUNCTIONS AND REDUCTION OF TIME REQUIRED FOR WORK

With the **BV** and **BVH** control system for your motorized shears, you save valuable production time when setting the manual backgauge.

The advantages compared to the standard control system are:

- pneumatic sheet support which guides the material to the backgauge
- the positioning wheel for moving the stop bar is located on the front side of the machine, thereby significantly reducing travel paths
- the position of the cutting bar does not need to be read out on the measuring tape of the fitting table, as it is also displayed more clearly from the front, or alternatively via an analog counter (standard) or optionally with a digital display
- backgauge position of 0 - 750 mm



ANALOG DISPLAY

- the mechanical counter runs while the position wheel is turned
- the set position of the stop bar is fastened with a lever



DIGITAL DISPLAY

- the position of the stop bar can be read off much more clearly with this display – down to the tenth of a millimeter
- the desired position of the backgauge is approached with the hand wheel and fixed in places with a lever

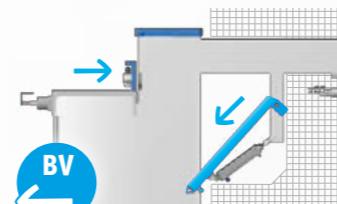
The form of the display is independent of whether the pneumatic sheet support is to deposit the cutting material to the front (**BV**) or the rear (**BVH**). Analog and digital display are available for both variants.

SAFETY FOR OPERATING PERSONNEL

- three-sided safety cage around the backgauge (**BV**)
- optional: Light barrier combined with protected grille on both sides for rear deposit and backgauge (**BVH**)

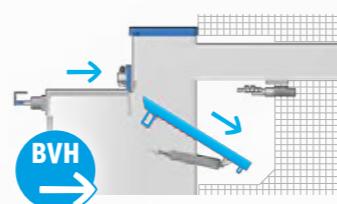
PNEUMATIC SHEET SUPPORT

requires available compressed air supply



SHEET SUPPORT, FRONT DELIVERY

The cutting material is deposited to the front and can be removed easily from the shears or transported to the next production step with the blank wagon.



SHEET SUPPORT, REAR DELIVERY

For continuous production processes, the cutting material is deposited to the rear and is available for the next production step. The operator can then immediately start working on the next cutting task.



NC CONTROL SYSTEMS

CONTROL CHALLENGING PRODUCTION TASKS WITH EASE

The programmable **NC/NCH** control systems for motorized shears are the ideal choice for high-quality thin sheet metalwork. They score points particularly in the manufacture of challenging plates for roofs and exteriors as well as for reoccurring cutting profiles in industrial and serial-oriented trades.

With these control system variants, you can cut plates quickly, economically and with great range of movement for changing conditions. With the **NC/NCH** control systems, you control all machine functions of your shears.



CONTROL OF CENTRAL FUNCTIONS

- approaching the cutting positions
- motorized backgauge
- pneumatic sheet support
- quantity shutdown

PRECISE REPEATABILITY

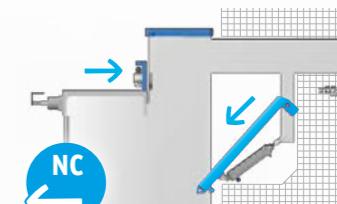
- storage space for 99 cutting sets
- 6 positions per cutting set
- entry and selection of the cutting sequence
- digital display

SAFETY FOR OPERATING PERSONNEL

- three-sided safety cage around the backgauge (**NC**)
- optional: Light barrier combined with protected grille on both sides for rear deposit and backgauge (**NCH**)

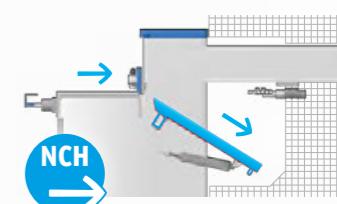
PNEUMATIC SHEET SUPPORT

requires available compressed air supply



SHEET SUPPORT, FRONT DELIVERY

The cutting material is deposited to the front and removed comfortably from this point. The optional blank wagon carries it to the next production step with ease.



SHEET SUPPORT, REAR DELIVERY

The cutting material is deposited to the rear for quick production processes. The operator can immediately set up the shears for the next cutting task.

TECHNICAL DATA

PERFORMANCE, DIMENSIONS AND WEIGHT.



HT

Model	100	150	200	250	310
Working length	mm 1,040	1,540	2,040	2,540	3,140
Cutting performance					
Steel 400 N/mm ²	mm 1.75	1.50	1.25	1.00	1.00
Aluminum 250 N/mm ²	mm 2.25	2.00	1.75	1.50	1.50
Stainless steel 600 N/mm ²	mm 1.00	0.80	0.80	0.60	0.60
Cutting angle	4.40°	2.96°	2.22°	1.79°	1.43°
Overall dimensions					
Length	mm 1,442	1,942	2,442	2,942	3,524
Depth	mm 905	905	905	905	985
Depth with backgauge	mm 1,330	1,330	1,330	1,330	1,330
Table height	mm 860	860	860	860	860
Total height (with operating lever)	mm 1,500	1,500	1,500	1,500	1,500
Weight	kg 470	560	650	740	920

SMT

Model	100	150	200	250	310
Working length	mm 1,040	1,540	2,040	2,540	3,140
Cutting performance					
Steel 400 N/mm ²	mm 3.50	2.50	2.50	2.00	1.50
Aluminum 250 N/mm ²	mm 5.50	4.00	4.00	3.00	2.25
Stainless steel 600 N/mm ²	mm 2.25	1.50	1.50	1.25	1.00
Cuts per minute	35	35	35	35	35
Cutting angle	2.25°	2.93°	2.20°	1.76°	1.45°
Power rating	kW 3.0	3.0	3.0	3.0	3.0
Overall dimensions					
Length	mm 1,392	1,892	2,392	2,892	3,492
Depth with backgauge + safety cage	mm 1,965	1,965	1,965	1,965	1,965
Table height	mm 850	850	850	850	850
Total height with safety cage	mm 1,450	1,450	1,450	1,450	1,450
Weight					
SMT BV / H	kg 910	1,030	1,180	1,330	1,520
SMT NC / H	kg 1,110	1,130	1,280	1,430	1,620
Connecting data EU					
Connecting load without type NC	kVA 4.9	4.9	4.9	4.9	4.9
Connecting load with type NC	kVA 6.1	6.1	6.1	6.1	6.1
Recommended fuse protection 3xslow blow	A 25	25	25	25	25
Connector plug CEE... A 5-pole	32	32	32	32	32
Recommended RCD without type NC					no specification
Recommended RCD tripping current without type NC	mA 30	30	30	30	30
Recommended RCD with type NC	Doepeke				DFS 4 B SK
Recommended RCD tripping current without type NC	mA 300	300	300	300	300
supply voltage	AC 50 Hz 380-420	380-420	380-420	380-420	380-420
compressed air connection					min. 6 bar, max. 10 bar - circa 50 l/min.
Connecting data USA					
Connecting load without type NC	kVA 6.2	6.2	6.2	6.2	6.2
Connecting load with type NC	kVA 7.4	7.4	7.4	7.4	7.4
Recommended fuse protection 3xslow blow	A 35	35	35	35	35
Recommended RCD without type NC					no specification
Recommended RCD with type NC					no specification
supply voltage	AC 60 Hz 210-250	210-250	210-250	210-250	210-250
compressed air connection					min. 6 bar, max. 10 bar - circa 50 l/min.

TECHNICAL DATA

PERFORMANCE, DIMENSIONS AND WEIGHT.

MSB



Model	100	150	200	250	310	
Working length	mm	1,040	1,540	2,040	2,540	3,140
Cutting performance						
Steel 400 N/mm ²	mm	4.00	3.50	3.00	2.50	2.00
Aluminum 250 N/mm ²	mm	6.00	5.50	4.50	4.00	3.00
Stainless steel 600 N/mm ²	mm	2.50	2.25	2.00	1.50	1.25
Cuts per minute		35	35	35	35	35
Cutting angle		2.69°	2.88°	2.18°	1.76°	1.43°
Power rating	kW	3.0	3.0	3.0	3.0	3.0
Overall dimensions						
Length	mm	1,392	1,892	2,392	2,892	3,492
Depth with backgauge + safety cage	mm	1,965	1,965	1,965	1,965	1,965
Table height	mm	850	850	850	850	850
Total height with safety cage	mm	1,450	1,450	1,450	1,450	1,450
Weight						
MSB BV / H	kg	1,000	1,190	1,360	1,540	1,860
MSB NC / H	kg	1,100	1,300	1,460	1,640	1,960
Connecting data EU						
Connecting load without type NC	kVA	4.9	4.9	4.9	4.9	4.9
Connecting load with type NC	kVA	6.1	6.1	6.1	6.1	6.1
Recommended fuse protection 3x slow blow	A	25	25	25	25	25
Connector plug CEE... A 5-pole		32	32	32	32	32
Recommended RCD without type NC						no specification
Recommended RCD tripping current without type NC	mA	30	30	30	30	30
Recommended RCD with type NC	Doepeke					DFS 4 B SK
Recommended RCD tripping current without type NC	mA	300	300	300	300	300
supply voltage	AC 50 Hz	380-420	380-420	380-420	380-420	380-420
compressed air connection						min. 6 bar, max. 10 bar - circa 50 l/min.
Connecting data USA						
Connecting load without type NC	kVA	6.2	6.2	6.2	6.2	6.2
Connecting load with type NC	kVA	7.4	7.4	7.4	7.4	7.4
Recommended fuse protection 3x slow blow	A	35	35	35	35	35
Recommended RCD without type NC						no specification
Recommended RCD with type NC						no specification
supply voltage	AC 60 Hz	210-250	210-250	210-250	210-250	210-250
compressed air connection						min. 6 bar, max. 10 bar - circa 50 l/min.

MSC



Model	200	250	310	400	450	
Working length	mm	2,040	2,540	3,140	4,040	4,540
Cutting performance						
Steel 400 N/mm ²	mm	4.00	3.50	3.00	2.50	1.50
Aluminum 250 N/mm ²	mm	6.00	5.50	4.50	4.00	2.50
Stainless steel 600 N/mm ²	mm	2.50	2.25	2.00	1.50	1.00
Cuts per minute		25	25	25		
Cutting angle		2.17°	1.75°	1.41°	1.11°	0.99°
Power rating	kW	3.7	3.7	3.7	3.0	3.0
Overall dimensions						
Length	mm	2,585	3,085	3,710	4,585	5,085
Depth with backgauge + safety cage	mm	2,592	2,592	2,592	2,592	2,592
Table height	mm	920	920	920	920	920
Total height with safety cage	mm	1,430	1,430	1,430	1,430	1,430
Weight						
MSC BV / H	kg	2,350	2,550	2,900	3,350	3,650
MSC NC / H	kg	2,450	2,650	3,000	3,450	
Connecting data EU						
Connecting load without type NC	kVA	6.2	6.2	6.2	5.3	5.3
Connecting load with type NC	kVA	7.4	7.4	7.4	6.5	6.5
Recommended fuse protection 3x slow blow	A	25	25	25	25	25
Connector plug CEE... A 5-pole		32	32	32	32	32
Recommended RCD without type NC						no specification
Recommended RCD tripping current without type NC	mA	30	30	30	30	30
Recommended RCD with type NC	Doepeke					DFS 4 B SK
Recommended RCD tripping current without type NC	mA	300	300	300	300	300
supply voltage	AC 50 Hz	380-420	380-420	380-420	380-420	380-420
compressed air connection						min. 6 bar, max. 10 bar - circa 50 l/min.
Connecting data USA						
Connecting load without type NC	kVA	6.2	6.2	6.2	5.3	5.3
Connecting load with type NC	kVA	7.4	7.4	7.4	6.5	6.5
Recommended fuse protection 3x slow blow	A	35	35	35	35	35
Recommended RCD without type NC						no specification
Recommended RCD with type NC						no specification
supply voltage	AC 60 Hz	210-250	210-250	210-250	210-250	210-250
compressed air connection						min. 6 bar, max. 10 bar - circa 50 l/min.

LINE-UP OF MACHINES

MACHINES FOR THE ENTIRE
RANGE OF TOP-QUALITY METALWORKING
AS OF 11/2025

MANUAL BENDING MACHINES



TBX

- Single-user lightweight for the job site
- Max. portability, solid, ready to use in 2 min
- Unique X stand, foldable, on wheels



LBT

- Construction convenience: bending, cutting, beading
- Portable, wheel locks, smooth-running
- Versatile options for clamping beam rail



LBX

- Compact and powerful on-site bending
- Pretensioning for material type and thickness
- Optimal bending result across the working width



TBS

- Smart segment-bending at the job site
- Tool-free adjustment, many fold shapes
- Unique X stand, light, max. portability



UK

- Smart segment-bending, proven 10,000 times
- Combine elements without tools
- Foot pedal, frees up hands for positioning



UKV

- Segment-bending even more powerful/versatile
- Fast and tool-free segment adjustment
- Hands stay free for precision positioning



UKF

- Segment bending of large special forms
- Extra high standards for use – XXL freedom
- Maximum flexibility, highest comfort



UK-DB

- Bend in both directions – no repositioning required
- Tool-free segment change
- More Productivity



KS

- Incredibly versatile, fast, cost-effective
- Easy and convenient for creative profiles
- World's best-selling swivel bending machine



KSV

- Award-winning, cost-effective, versatile
- Handles many materials and thicknesses
- Produces remarkable profiles



HBM

- Special profiles only possible here
- Precise positioning of workpieces
- Simple lowering of bending beam



HA

- Sturdy package for single-user operation
- Specially designed for thick sheets
- Ideal configuration for recurring bends

MANUAL SHEARS



HT

- Resiliently sturdy: lasts for generations
- Single-user operation, economical precision
- Space-saving, maintenance-free, lots of accessories

MOTORIZED SHEARS



SMT

- Smallest 3-meter motorized squaring shear
- For thin sheets to strong materials
- Saves energy, space and time



MSB

- Small size of SMT with much more power
- Even more performance in single-user operation
- The powerful and cost-effective choice



MSC

- The pro for thin sheets and exterior work
- Two motors, equal power distribution
- High efficiency, min. energy consumption

MANUAL



SB50

- For the production of roof and facade shingles
- Only one work step for two 180° edges
- Time saving of approx. 70 %

MOTORIZED BENDING MACHINES



MAX-F

- Maximum bending free space
- 14 mm free space behind the pivot point
- More space for profile geometries



MAB

- More power than MAX, better performance
- Powerful machine for roofs and exteriors
- Sturdy construction, minimal maintenance



MAZ CNC

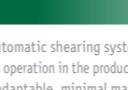
- Best in series production and light metal
- Speed king: outstanding productivity
- Shortest setup times, rapid bending sequences



MAE CNC

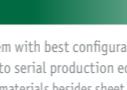
- Economical in the industrial trade
- Most adaptable changeover system / 1-click
- Minimal setup times, versatile, compact

SHEARS FOR CUT-TO-LENGTH LINE SYSTEMS



MT

- Integrated automatic shearing system
- For continuous operation in the production process
- Individually adaptable, minimal maintenance



ST

- Shearing system with best configurability
- Integration into serial production equipment
- For many other materials besides sheet metals

MODULAR COIL-HANDLING



MCH

- Metal sheets are always available
- Modular design
- Customizable

PROFILING MACHINES



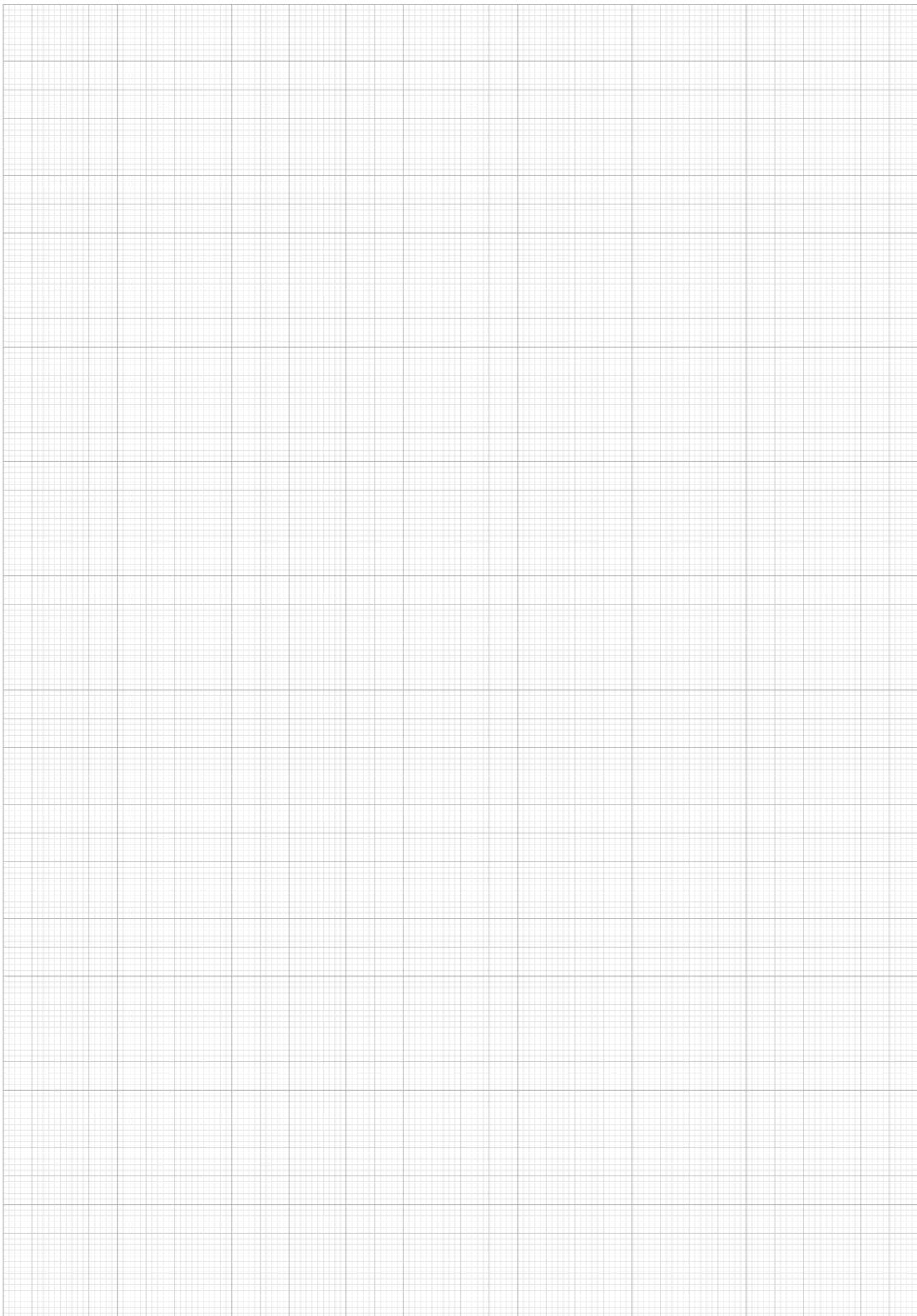
SZP

- Extra-long and very solid in ventilation work
- Straight-line profiling without distortion
- High operating cycle speed

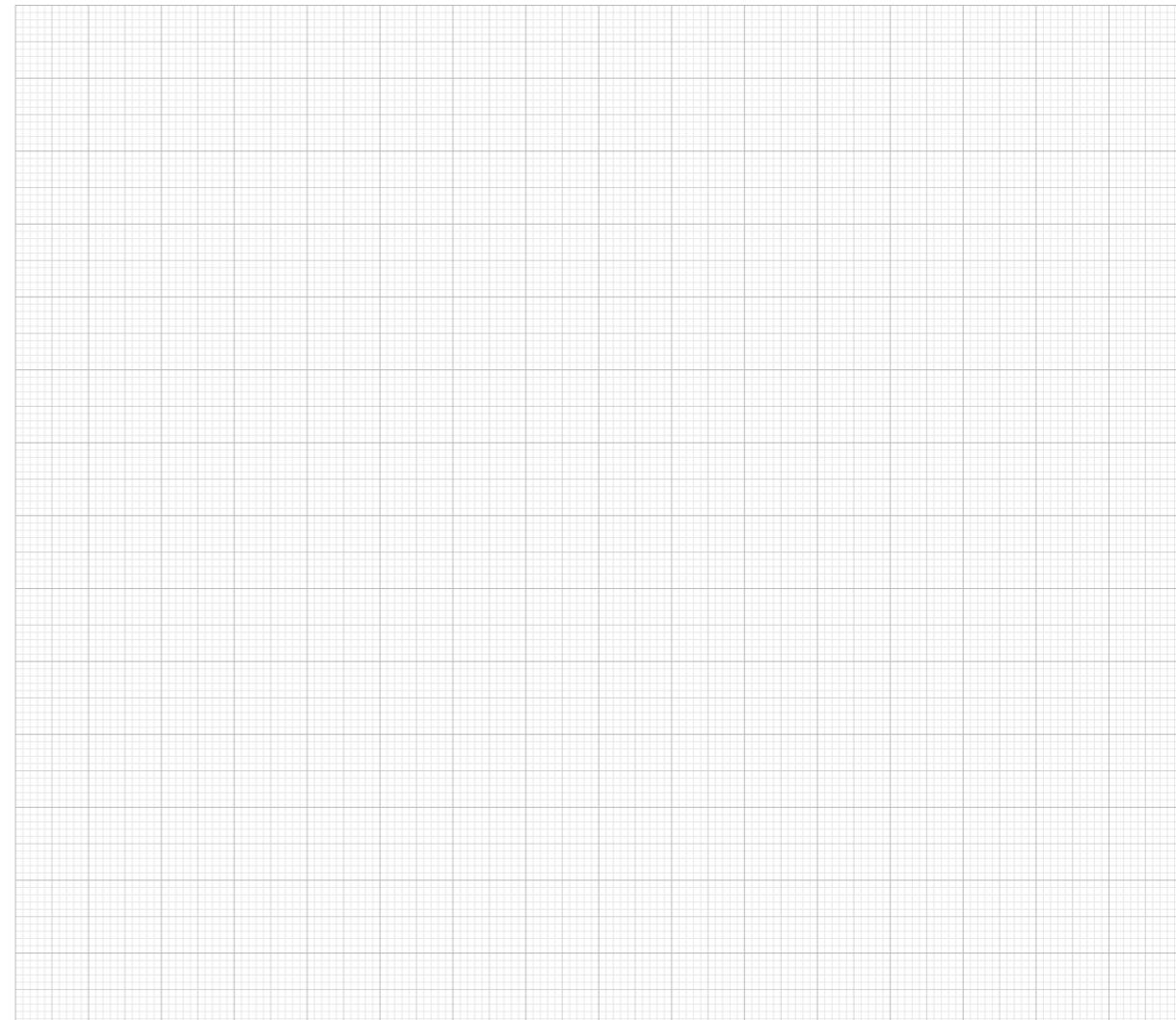
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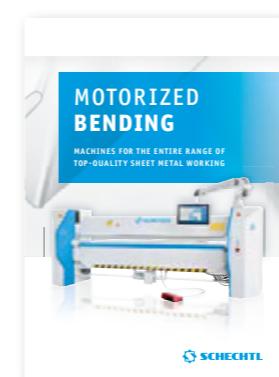
PLANNING / NOTES



PLANNING / NOTES



FURTHER PRODUCT INFORMATION



MOTORIZED BENDING

MACHINES FOR THE ENTIRE RANGE OF
TOP-QUALITY SHEET METAL WORKING



MANUAL BENDING

MACHINES FOR UNIVERSAL SHEET METAL PROCESSING
AT JOB SITES OR ON THE SHOP FLOOR



MANUAL SEGMENT BENDING

MACHINES FOR COMPLEX FORMS
IN SHEET METAL PROCESSING



MODULAR COIL-HANDLING

MANUAL, FLEXIBLE, SYSTEMATIC



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