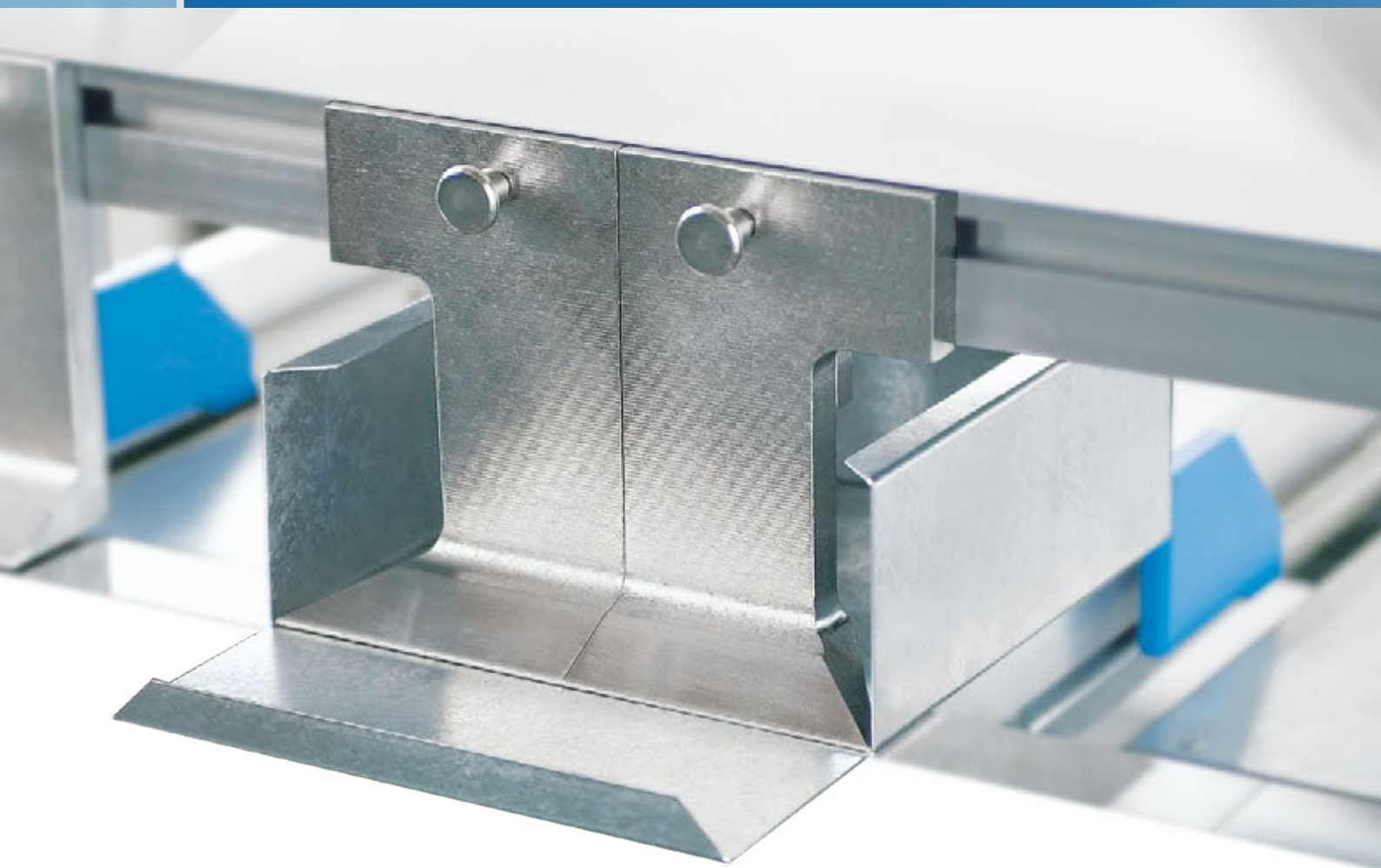




# MANUAL & MOTORIZED SEGMENT BENDING

MACHINES FOR COMPLEX FORMS  
IN SHEET METAL PROCESSING



# WE WANT TO CONTRIBUTE TO YOUR SUCCESS

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

## WE TRULY GO THE DISTANCE TO HELP YOU GET AHEAD

You know it's true because you have experienced it yourself, just like generations before you: we listen to you, our customer. This is how we get our ideas and develop our machines which have made the daily work of sheet metal workers in industry and trade easier and more efficient for decades.

Since our foundation in 1910 as a simple blacksmith shop, this pioneering spirit has driven us forward, always with an eye to creating value for our customers. Before the invention of bending technology, this standard led to countless innovations including time-efficient mobile data transfer of completed profiles from the job site directly to the machine.

The same is true for segment bending. Well over 10.000 sheet metal workers currently use our segmented rail system solutions to produce complex forms in a logical work cycle. A head start is created by exchanging knowledge - both sides profit.

## LOYALTY MEANS QUALITY

Very high quality, incredible durability, and outstanding reliability – that's what generations of sheet metal workers all over the world have said about our products. While we're extremely honored by these words, they also motivate us to keep our "Made in Germany" seal of quality at a high level.

With solid commitment to our location, we produce and assemble numerous machine parts exclusively in Germany – most of them in Bavaria. This strong connection to regional partners and suppliers is a foundation for quality. This type of thinking and customer satisfaction is what has made Schechtl the world's leading manufacturer of bending machines and shears for thin sheet processing.

## THANK YOU FOR CHOOSING SCHECHTL

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.

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, which our customers can observe daily.

*Maria Schechtl*

Maria Schechtl  
Managing Director



# PRODUCT FINDER

THE RIGHT COMBINATION OF WORKING LENGTH, BENDING PERFORMANCE AND PRODUCTION REQUIREMENTS WILL HELP YOU FIND THE IDEAL SEGMENT BENDING MACHINE.









1. DO YOU PRODUCE CLOSED FORMS, BOXES, CASSETTES AND THE LIKE AT THE JOB SITE?

• Specialist for mobile segment bending at the job site:  
→ **TBS** (page 7)
2. DO YOU DO A LOT OF MANUAL PRODUCTION ON THE SHOP FLOOR?

• Experienced professionals for individual workpieces, prototypes, special structures and sporadically recurring small series :  
→ **UK, UKV** (pages 8 – 9)
3. DO YOU NEED MORE FREE SPACE FOR DIFFERENT TYPES OF COMPLEX FORMS?

• For more free space of movement in manual segment bending:  
→ **UKF** (page 10)  
→ **SB** (page 11)
4. IS YOUR PRODUCTION INDUSTRIALLY ORIENTED OR ADAPTED TO MANY RECURRING ORDERS?

• Then the motorized comfort model with optional **CNC control** is your best bet: → **MAXI** (pages 14 – 15)

Areas of application	Segment bending					
	Job site	Shop floor				
						
Machine type	TBS	UK	UKV	UKF	SB	MAXI
Drive type	manual					motorized
Working length						
2x550					1.00	
1040	0.63	1.50	2.00	1.50		2.00
1290	0.63	1.25	1.75	1.50		1.75
1540			1.50	1.50		1.50
2040			1.00	1.00		1.50
Control systems	manual					 
Bending capacity for steel 400 N/mm², based on standard segment heights						



## SEGMENT BENDING

Segment bending machines are particularly cost-effective; they produce closed forms easily, precisely and also save time as well as comfortably manage individual orders and small series at the job site or on the shop floor.



## JOB SITE

Mobile, comfortable and manageable like no other. The **TBS** is your best bet for precise segment bending at every area of the job site.



## SHOP FLOOR

Segment bending on the shop floor: that is what our manual **UK** models, proven thousands of times over, stand for. The **MAXI** motorized model with **CNC control** is the bridge to industrial and series-oriented production.





PANEUM  
WUNDERKAMMER DES BROTES

## MASTERFUL VARIETY OF FORMS IN ROOFS AND EXTERIORS

TRICKY AND COMPLICATED FORMS MADE EASY: WITH A SEGMENT BENDING MACHINE, YOU CAN GET THE PERFECT FORM FOR BOXES, CASSETTES, WINDOW SILLS AND THE LIKE.

TBS



UK



UKV



UKF



SB





# CLEVER SEGMENT BENDING – COMPLEX FORMS MADE EASY

EASY AND SAVES TIME. NO TOOLS NEEDED.

## COMPLEX FORMS MADE EASY - IN ONE WORK CYCLE WITHOUT CONVERSION TIME

Segment bending machines are equipped with segmented rail system. The bending rail consist of individual segmented tools. Clever combination and the free space between the segmented tools make it possible to bend workpieces on all sides. You can use it to produce tricky and complicated forms quickly and easily.

You can lay out several segment stations next to each other and implement successive work steps rationally and without conversion time, all in one machine and in one work cycle.

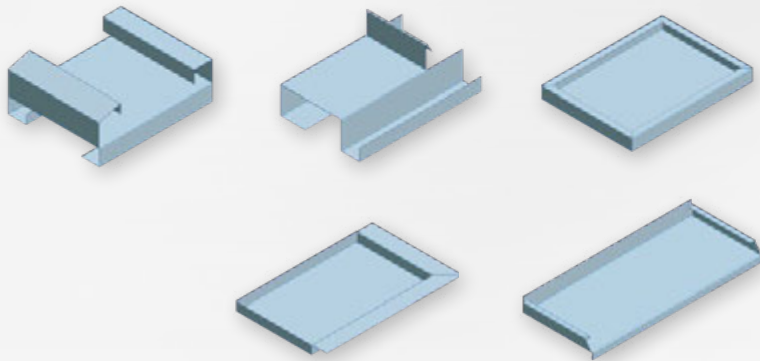
## BENEFITS

### THE QUICK CLAMPING SYSTEM INCREASES PRODUCTIVITY IN SECONDS

The manual bending machines from Schechtl are equipped standard with the patented quick clamping system on the clamping, lower and bending beam. The concept makes it very simple to rearrange tools. Tried and tested thousands of times in practice. As you neither need tools or screws, you gain valuable time and increase productivity.

### THE VARIETY OF FORMS IS ENORMOUS

Elaborate box forms, special forms, samples and window sills are easy to produce in an efficient way.



# MOBILE LIGHTWEIGHT AT THE JOB SITE

AGILE AND MOBILE. EASY HANDLING.

## BENEFITS

### BOXES, CASSETTES AND THE LIKE IN ONE WORK CYCLE

- rational and productive – all segments can be adjusted without tools
- The **TBS** masters even 25 mm and 35 mm rollformed seams for eaves and ridge folds
- with the **TBS**, sheet metal workers avoid any "surprises" at the job site and can work completely self-sufficiently in profile production

## CONVENIENCE

### EFFORTLESS ON THE JOB SITE

- 1 worker alone can easily transport and operate the **TBS**
- The **TBS** (without X-shaped support stand) can be installed on a workbench or in a construction vehicle
- Foldable X-shaped support stand with rollers and handle (available as an option)
  - Stable and convenient to transport
  - Simply pull it behind you like a roller suitcase
- Reduce transport weight - segments are transported in a separate box where they are stored safely and optimally protected



## TECHNICAL FEATURES

- all beams have 40 mm free space of movement
- the clamping beam only has a 45 degree flat slope – this offers additional free space for refined seamed profiles with long limbs
- the roller shear is a useful accessory for cutting sheets directly on the machine (optionally available)

### TRANSPORTABLE. JOB SITE. SEGMENT BENDING.

Your area of application spells out the **TBS**. The smallest of the manual segment bending machines in the Schechtl range is huge when it comes to its flexibility on the job site.

Thanks to its small dimensions, you can easily move the **TBS** on the job site, as well as between floors, on scaffolding and in small areas.

TBS



TBS with foldable X-shaped support stand (optionally available)



# TWO, WHO LIKE TO SHARE - STRONG SPECIALISTS FOR THE SHOP FLOOR

THE SPECIALISTS FOR TRICKY TASKS.

## HIGH QUALITY FOR SPECIAL FORMS

Two manual bending machines master tricky special designs as well as everyday supplemental bends on workpieces, boxes, cassettes requirements.

The **UK** and the stronger **UKV** are your specialists for closed special forms. The segments are cleverly positioned, and several work steps are completed without conversion time. The rational work flow is maintained while conversion of the motorized machines becomes unnecessary.

The **UK** and **UKV** are ideal for single-piece production and small series as well as prototype construction in the trade sector.

**proven  
10.000  
times**

## BENEFITS

### ADJUSTMENT WITHOUT TOOLS - A HUGE ADVANTAGE FOR SAFETY, PRECISION AND SPEED

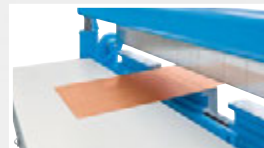
- clamping, lower and bending beam with patented quick clamping system is standard
- combine and rearrange any segments in a flash – without using tools and screws
- intelligent segment combination of several work steps can be executed in a rational manner without conversion time
- take out individual tools - this creates free space between the segments for closed workpieces



High clamping beam segments



Adjust bending angle with scale and lever



Use storage box as work surface (without back gauge)

## TECHNICAL FEATURES

### COUNTLESS PRACTICAL DETAILS MAKE EVERYDAY WORK EASIER

- Adjustments without tools – a huge advantage for safety, precision and speed.
- lower bending beam with hand wheel and scale
- set clamping beam pressure with a lever
- equipped with wheels, the **UK** (standard) and the **UKV** (optionals) - can be set up at any point in your production
- standard foot pedal – hands-free work throughout the entire production process
- segments not currently in use can be easily stored in a storage tray located above the clamping beam
- the storage box for all segments is located in a space-saving location under the back gauge, or can be used as a tool tray in the standard model

## ACCESSORIES

### OPTIONAL ACCESSORIES

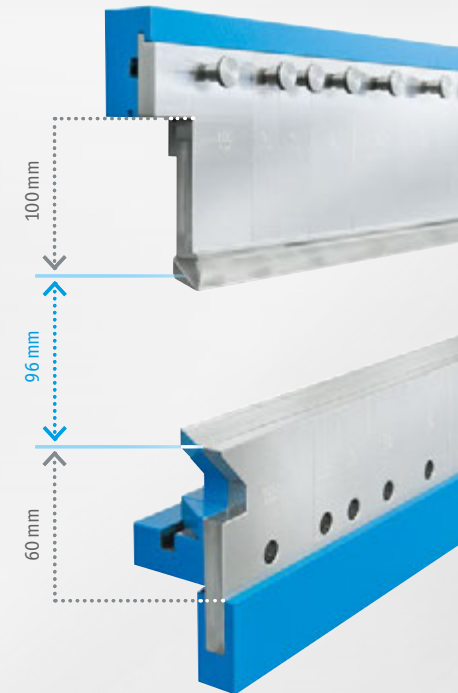
- high clamping beam segments 140 mm + 160 mm (**UK + UKV**) 180 mm (**UKV** only) (Standard = 100 mm)
- clamping bar inserts with 2 mm and 3 mm radii, zinc and aluminum can be more reliably bent thanks to the larger curve
- various back gauge systems
- inserts for producing windowsills
- roller shear
- wheels with chassis (**UKV**)



UK/UKV back gauge (aluminum T-slot)



UKV back gauge (spur rack)



# UK POWER



# UKV MORE POWER





# THE ONE WITH EXTRA HIGH SEGMENTED TOOLS – FREE SPACE XXL

DOUBLE AMOUNT OF FREE SPACE FOR LARGE SPECIAL FORMS.

## ALL THE QUALITIES OF THE UKV – ONLY MUCH BIGGER! NEW PEAK PERFORMANCE IN MANUAL SEGMENT BENDING.

The "F" stands for "flexible". With larger dimensions and countless benefits, the **UKF** is the perfect pick: the **UKF** has room for 160mm- and 180mm-high segmented tools on the clamping beam. The segmented tools of the lower and bending beam are 120mm-high, these are **100% more free space**. The working height was increased by 160mm compared to the **UKV**. Large-format sheets can be processed with better ergonomics.

### BENEFITS

#### SAVE MONEY AND MAKE PRODUCTION MORE CONVENIENT:

The extreme free space makes it possible for sheet metal workers to create larger closed forms. In addition, there is more flexibility and throughput in the workflow.

Higher segments are often special tools on other machines. What needs to be manufactured separately on those machines is standard with the **UKF**.

The **UA 125** universal back gauge table expands the spectrum for recurring profiles in particular. The back gauge table is equipped with wheels and can be used on several **UK** models.

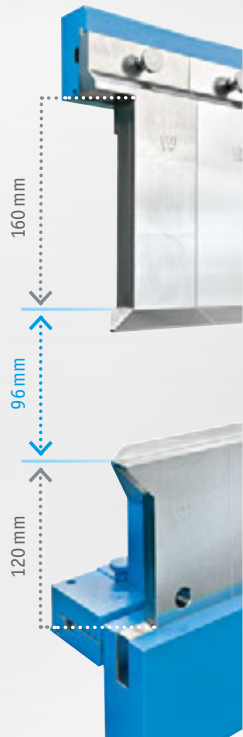
### ACCESSORIES

#### OPTIONAL ACCESSORIES

- 180 mm-high segments for the clamping beam (standard = 160 mm)
- segments for the clamping beam with 2 mm or 3 mm radii, zinc and aluminium can be bent thanks to the larger curve
- **UA 125** universal back gauge table
- rolling device (wheels) for **UKF**



Special series in a work cycle, mobile **UA 125** universal back gauge table for sheet control



# UKF



# THE SHINGLE SPECIALIST FOR SMALL AND LARGE SERIES

FAST AND EFFECTIVE. BRILLIANTLY EASY.



### BENEFITS

#### SHINGLES, RHOMBUSES AND THE LIKE ON TWO SIDES IN ONE OPERATION

- formats such as shingles or rhombuses can be processed in dimensions of 20 - 50 cm bending length
- special round rails with a 1.25 mm radius on both clamping beams enables the bending of hems in one operation



### CONVENIENCE

#### EASY OPERATION

- one worker alone can operate the machine through the unique bending beam segments with an ergonomic working height and practical foot pedal
- precise and repeatable positioning of the flat patterns with the standard back gauge
- due to the special design, 24 conventional working steps are reduced to only 8 – you save approx. 70% of your time



### TECHNICAL FEATURES

- two accurate 180° edges in one operation
- hems without additional pressing
- repeatable work processes with two bends on two sides in one operation
- 100 mm free space on upper beam with special round rails in radius 1.25 mm
- segmented lower beam with 20 mm free space

#### SERIES PRODUCTION IN THE SEGMENT BENDING FIELD

The advantages of the **SB** speak for themselves

- ✓ manually
- ✓ mobile
- ✓ cost-efficient
- ✓ repeatable accuracy

# SB







*Real beauty come to light, and the metalworker makes it happen*

*Reliable handling for all segment bending requirements*

*Metalworkers love reproducing beautiful forms*



**MAXI**

*Historical treasures are well protected by first-class formed sheets*

# MASTERFUL EXTERIORS WITH CLASSIC DESIGN

CONNECTING TRADITION AND MODERNITY MEANS HAVING HIGH STANDARDS FOR SHEET METAL PROCESSING. COMPLEX SEGMENTED FORMS ARE THE DOMAIN OF THE **MAXI**.



# MAXIMUM FLEXIBILITY IN INDUSTRIALLY ORIENTED PRODUCTION

THE COMFORT PACKAGE.

## BENEFITS

### THE MAXI IS THE MOST ECONOMICAL PICK FOR SEGMENT BENDING IN SERIAL PRODUCTION

The specialized **MAXI** is the best bet for segment bending in serial production. It easily masters tasks for which large motorized bending machines would have to be specially modified. With an intelligent combination of segments on the clamping, lower and bending beam, you can realize workpieces in one work cycle.

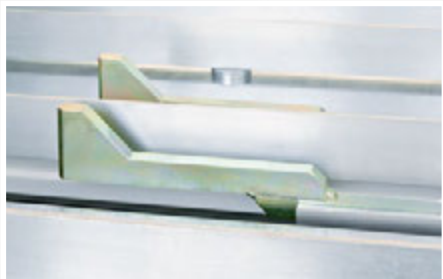
This simplifies your work flow and makes it possible to manufacture workpieces rationally, productively and economically. With the **MAXI**, you are perfectly equipped for creating exactly reproducible profiles and fulfilling the special demands of industrial serial production.

## TECHNICAL FEATURES

### POWERFUL AND QUICK ECCENTRIC DRIVE

The **MAXI** is solid and built for durable use in accordance with the high quality standards of Schechtl.

The **MAXI** processes sheet thicknesses of up to 2.00 mm steel on working lengths of 1 to 2 m.



Back gauge fingers



Segmented tools

# MAXI



# CONTROL SYSTEMS FOR THE MAXI

HOW MANY OF YOUR PROCESS STEPS DO YOU WANT TO AUTOMATE?  
YOUR NEED FOR VERSATILITY AND PRECISION  
DETERMINES YOUR DEGREE OF CONTROL CONVENIENCE.

Important to know: The choice of control system does not affect the bending capacity of the machine model.

SEGMENT BENDING

SHOP FLOOR

CNC  
S-TOUCH

## CNC S-TOUCH



### INTUITIVE. EASY. FASTER. FROM PROFILE CONCEPT TO BENDING PRECISION IN RECORD TIME

- convenient production center – draw and implement complex bending sequences with your fingertips
- virtual laboratory – develop, test and correct profile ideas intuitively, without using a single workpiece
- electronic notebook – document and save conceptual drawings on the fly and retrieve at any time

### TOUCH TO CREATE – HARD TO BELIEVE HOW REVOLUTIONARY THE SPEED AND SIMPLICITY ARE!

Creating new profiles with **CNC S-Touch** is easier than using a smartphone. There are only two requirements: Your conceptual drawing of the finished profile and a fingertip.

**STEP 1** Draw your profile sketch on the touch-sensitive monitor using your fingertip; don't worry about exact lengths or angles yet.

**STEP 2** Now size the exact lengths and radii. You can specify the bend sequencing with the simple tap of a finger.

**STEP 3** Test the bending sequence without using a single workpiece. On the monitor, you'll see your profile concept turn into bending precision. If everything looks good, you can begin to produce.

**START** That's it, you're ready to go! **CNC S-Touch** automatically recognizes how to rotate, flip and reset the workpiece and also what tools are required.

STD

## STD CONTROL



### FOR SIMPLY BENDING JOBS IN THE METALWORKING SHOP

- support rack (adjustable in depth) for easy positioning of large-sized metal sheets
- movable foot switch serves as an operating element for convenient single-user operation

MOTORIZED



# S-TOUCH CONNECT DIGITALLY NETWORKED WORK PROCESSES

BENEFIT FROM THE DIGITALLY NETWORKED WORK PROCESSES FOR SHEET METAL WORKING AND THE MANAGEMENT OF YOUR PROJECTS

## In the office. With PC software.

Project planning and order processing in every phase of work.

- ✓ Detailed simulation of profiles.
- ✓ Pre- and post-processing of profile data.

S-TOUCH PLAN

SEMA  
SOFTWARE

CAD  
software

Bendex

Data exchange:  
Up- and downloads

## Digital storage location.

Enter, change and save orders and profiles at the construction site, in the office or in the machine.

- ✓ Data always current
- ✓ The networked documentation synchronizes production with planning

S-TOUCH BOX

Company  
server

Cloud  
on the web

Data exchange:  
Up- and downloads

## On your machine. Third-party product.

Exchange of profile data possible between any manufacturers.

- ✓ Access to all profile data.
- ✓ Directly entered profiles are available for the entire S-TOUCH CONNECT

## On your Schechtl machine. With S-TouchCNC 3.0 control system.

Innovative machine control system: Create profile and bending sequences on the machine using the touch screen.

- ✓ Direct acquisition of profiles from planning, resulting in quicker production without sources of error

S-TOUCH CNC

## At the construction site.

Using mobile end devices.

Profile and order entry on-site.

- ✓ Enter and send the required file format on-site.

IT  
smart  
& digita

Bendex

Other  
software solutions

PLANNING

MANAGEMENT

PRODUCTION.



ACCESSORIES

CONFIGURE YOUR SEGMENT BENDING MACHINE TO YOUR INDIVIDUAL REQUIREMENTS. THE OPTIONAL ACCESSORIES PROVIDE GREATER CONVENIENCE, PRECISION AND SAVES TIME AS WELL.

1


UK/UKV MANUAL BACK GAUGE WITH ALUMINUM T-SLOT



UK/UKV manual back gauge with aluminum T-slot, conical angles can also be set.

2


UKV MANUAL BACK GAUGE WITH SPUR RACK



UKV manual back gauge with spur rack and hand wheel.

3

MAXI MOTORIZED BACK GAUGE



For precise positioning of large-format sheet metal during CNC controlled production.

4

TBS X-SHAPED SUPPORT STAND: MOBILE, FOLDABLE, ROLLABLE



5


UA 125 UNIVERSAL BACK GAUGE TABLE



Sheet metal supply with freely-adjustable magnetic guide rails.

6

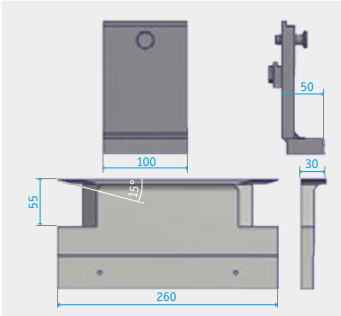
ROLLER SHEAR



Mobile roller shears for the TBX model.

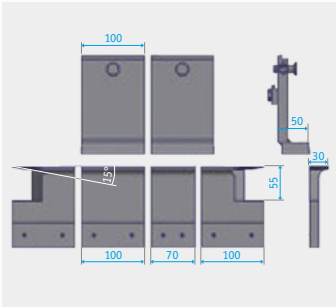
7

STANDARD WINDOW SILL SEGMENTS




8







VARIABLE WINDOW SILL SEGMENTS



9

UKF/UKV ROLLING DEVICE (WHEELS) FOR MORE MOBILITY ON THE SHOP FLOOR



Areas of application	Segment bending															
	Job site		Shop floor													
																
	TBS		UK		UKV				UKF				MAXI			
	100	125	100	125	100	125	150	200	100	125	150	200	100	150	200	
	manual												motorized			
STANDARD ACCESSORIES																
Segments with quick clamping system for clamping, lower and bending beam throughout the entire working length																
Free space for clamping beam segments (passage height)	40 mm	40 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	160 mm	160 mm	160 mm	160 mm	100 mm	100 mm	100 mm	
Free space for lower and bending beam segments (passage height)	40 mm	40 mm	60 mm	60 mm	60 mm	60 mm	60 mm	60 mm	120 mm	120 mm	120 mm	120 mm	60 mm	60 mm	60 mm	
Clamping beam opening height	45 mm	45 mm	96 mm	96 mm	96 mm	96 mm	96 mm	96 mm	96 mm	96 mm	96 mm	96 mm	140 mm	140 mm	140 mm	
Angular stop, adjustment by lever																
Clamping beam pressure adjustment																
Bending beam lowering adjustment																
Storage box																
Foot pedal/Foot switch																
Wheels																
3 Motorized back gauge 50 - 1000 mm													CNC	CNC	CNC	
Support grid													STD	STD	STD	
OPTIONAL ACCESSORIES																
6 Roller shear																
4 X-shaped support stand																
1 Manual back gauge, 500 mm with aluminum T-slot																
2 Manual back gauge, 500 mm with spur rack																
5 UA 125 universal back gauge table																
7 Window sill segments (standard)																
8 Window sill segments with variable length																
Window sill segments for hightened segments																
Clamping beam segments with 2 mm or 3 mm radius																
High clamping beam segments, 140 mm																
High clamping beam segments, 160 mm																
High clamping beam segments, 180 mm																
9 Rolling device (wheels)																



TECHNICAL DATA

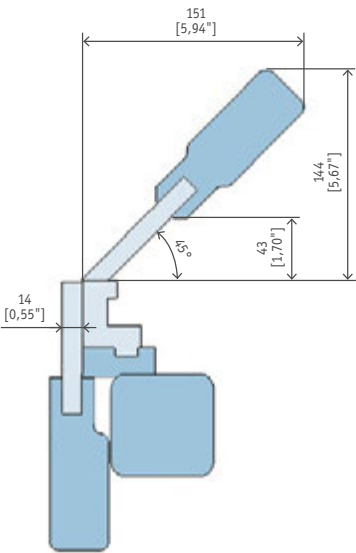
PERFORMANCE, DIMENSIONS AND WEIGHT.



TBS

Model	100	125
Working length	mm 1,000	1,250
Bending capacity		
Steel 400 N/mm²	mm 0.63	0.63
Aluminum 250 N/mm²	mm 1.00	1.00
Stainless steel 600 N/mm²	mm 0.50	0.50
Copper 300 N/mm²	mm 0.80	0.80
Zinc 150 N/mm²	mm 1.00	1.00
Overall dimensions		
Length	mm 1,235	1,369
Depth with X-shaped support stand	mm 698	698
Total height with X-shaped support stand	mm 1,133	1,156
Weight		
TBS machine without X-shaped support stand	kg 84	114
TBS X-shaped support stand	kg 17	17
Partition of segments		
Per 1 corner left + right	mm 100	100
Per 1x30/40/60/70 mm	mm 2x50	1x50
	mm 5x100	8x100
Lower and bending beam segments		
Height	mm 40	40
Clamping beam segments		
Height	mm 40	40
Clamping beam opening height		
Height	mm 45	45

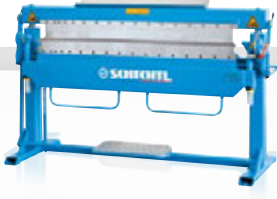
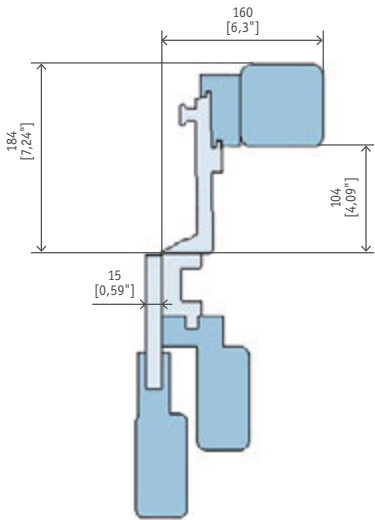
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UK

Model	100	125
Working length	mm 1,000	1,250
Bending capacity		
Steel 400 N/mm²	mm 1.50	1.25
Aluminum 250 N/mm²	mm 2.25	2.00
Stainless steel 600 N/mm²	mm 1.00	0.80
Copper 300 N/mm²	mm 2.00	1.50
Zinc 150 N/mm²	mm 2.00	2.00
Overall dimensions		
Length	mm 1,480	1,730
Depth	mm 740	740
Total height	mm 1,180	1,180
Weight	kg 260	290
Partition of segments		
Per 1 corner left + right	mm 100	100
Per 1x30/40/60/70 mm	mm 6x100	8x100
Lower and bending beam segments		
Height	mm 60	60
Clamping beam segments		
Height	mm 100	100
Clamping beam opening height		
Height	mm 96	96

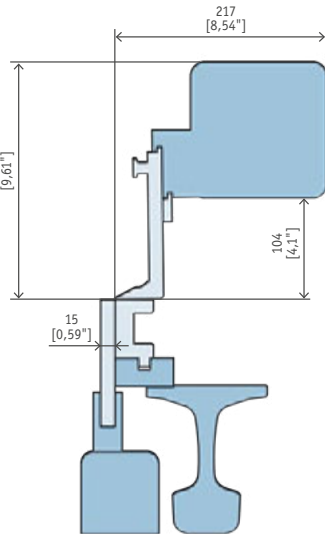
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UKV

Model	100	125	150	200
Working length	mm 1,000	1,250	1,500	2,000
Bending capacity				
Steel 400 N/mm²	mm 2.00	1.75	1.50	1.00
Aluminum 250 N/mm²	mm 3.00	2.50	2.25	1.50
Stainless steel 600 N/mm²	mm 1.25	1.00	1.00	0.70
Copper 300 N/mm²	mm 2.50	2.25	2.00	1.00
Zinc 150 N/mm²	mm 2.50	2.50	2.50	2.00
Overall dimensions				
Length	mm 1,600	1,790	2,010	2,600
Depth (only for machine)	mm 800	800	800	800
Total height	mm 1,200	1,200	1,200	1,200
Weight	kg 400	450	562	625
Partition of segments				
Per 1 corner left + right	mm 100	100	100	100
Per 1x30/40/60/70 mm	mm 6x100	8x100	11x100	16x100
Lower and bending beam segments				
Height	mm 60	60	60	60
Clamping beam segments				
Height	mm 100	100	100	100
Clamping beam opening height				
Height	mm 96	96	96	96

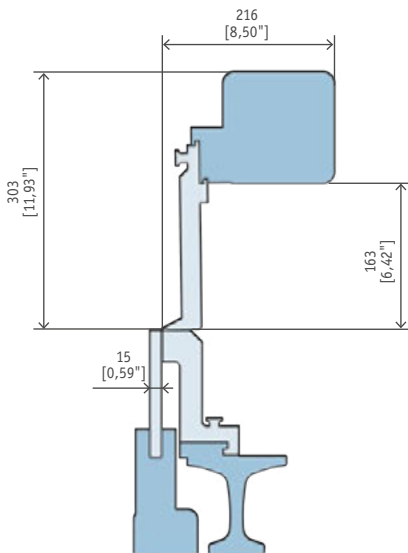
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UKF

Model	100	125	150	200
Working length	mm 1,000	1,250	1,500	2,000
Bending capacity				
Steel 400 N/mm²	mm 1.50	1.50	1.50	1.00
Aluminum 250 N/mm²	mm 2.25	2.25	2.25	1.50
Stainless steel 600 N/mm²	mm 1.00	1.00	1.00	0.70
Copper 300 N/mm²	mm 2.00	2.00	2.00	1.00
Zinc 150 N/mm²	mm 2.25	2.25	2.25	2.00
Overall dimensions				
Length	mm 1,340	1,697	1,840	2,340
Depth (only for machine)	mm 740	740	740	740
Total height	mm 1,485	1,485	1,485	1,485
Weight	kg 530	560	683	845
Partition of segments				
Per 1 corner left + right	mm 100	100	100	100
Per 1x30/40/60/70 mm	mm 6x100	8x100	11x100	16x100
Lower and bending beam segments				
Height	mm 120	120	120	120
Clamping beam segments				
Height	mm 160	160	160	160
Clamping beam opening height				
Height	mm 96	96	96	96

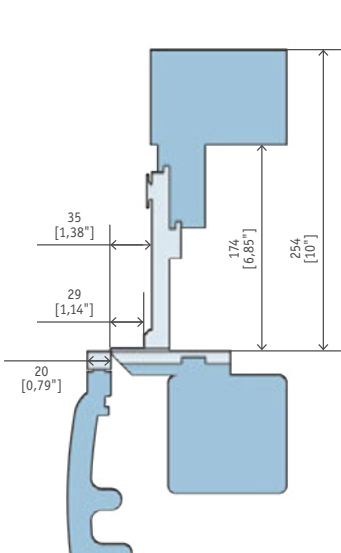
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SB

Model	50
Working length	mm 2x550
Bending capacity	
Steel 400 N/mm²	mm 1.00
Aluminum 250 N/mm²	mm 1.50
Stainless steel 600 N/mm²	mm 0.60
Copper 300 N/mm²	mm 1.25
Zinc 150 N/mm²	mm 1.50
Overall dimensions	
Length	mm 1,410
Depth	mm 1,005
Total height	mm 1,600
Weight	kg 265
Partition of segments	
Per 1 corner left + right	mm 100
Per 1x30/40/50/60/70/100 mm	
Clamping beam opening height	
Height	mm 86

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MAXI

Model	100	150	200
Working length	mm 1,100	1,600	2,100
Bending capacity			
Steel 400 N/mm²	mm 2.00	1.50	1.50
Aluminum 250 N/mm²	mm 3.00	2.00	2.00
Stainless steel 600 N/mm²	mm 1.25	1.00	1.00
Copper 300 N/mm²	mm 2.50	2.00	2.00
Zinc 150 N/mm²	mm 2.50	2.00	2.00
Partition of segments			
Per 1 corner left + right	mm 100	100	100
Per 1x30/40/60/70 mm	mm 6x100	11x100	16x100
Lower and bending beam segments			
Height	mm 60	60	60
Clamping beam segments			
Height	mm 100	100	100
Clamping beam opening height			
Height	mm 140	140	140

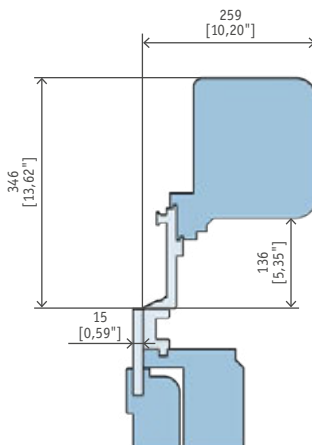
STD CONTROL SYSTEM

Model	100	150	200
Overall dimensions			
Length	mm 1,993	2,493	2,993
Depth	mm 860	860	860
Total height	mm 1,345	1,345	1,345
Weight	kg 1,200	1,380	1,580
Connecting data			
Connection load	kVA 2,3	2,3	2,3
Recommended fuse protection EU 3x slow blow	A 16	16	16
Connector plug CEE... A 5-pole	16	16	16
Recommended RCD type	no specification		
Recommended RCD tripping current	mA 30	30	30
supply voltage	AC 50-60Hz 380-420	380-420	380-420

CNC S-TOUCH CONTROL

Overall dimensions			
Length	mm 2,060	2,560	3,060
Depth	mm 1,815	1,815	1,815
Total height	mm 1,674	1,674	1,674
Weight	kg 1,360	1,560	1,780
Connecting data			
Connection load	kVA 3,6	3,6	3,6
Recommended fuse protection EU 3x slow blow	A 16	16	16
Connector plug CEE... A 5-pole	16	16	16
Recommended RCD type	Doepke	DFS 4 B SK	
Recommended RCD tripping current	mA 30	30	30
supply voltage	AC 50-60Hz 380-420	380-420	380-420

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# LINE-UP OF MACHINES


MACHINES FOR THE ENTIRE  
RANGE OF TOP-QUALITY METALWORKING  
AS OF 08/2019

## 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




### SB

- shingle specialist
- two operations in one
- time saving of approx. 70 %




### 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

## MOTORIZED BENDING MACHINES

MAXI STD  
MAXI CNC S-Touch



### MAXI

- Convenient motorized segment-bending
- Split segments: lower/clamping/bending beams
- Tool-free click system saves time



### MBM ECT

- Smart move to motor and monitor system
- Precision reproduction of complex profiles
- Single-user operation, sturdy, time-efficient

MAX STD  
MAX ECT  
MAX CNC S-Touch



### MAX

- Motorized model with best custom versatility
- Sturdy construction, high bending capacity
- The classic for 90 % of all bending jobs

MAB STD  
MAB ECT  
MAB CNC S-Touch



### MAB

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



### MAZ CNC-S

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



### MAE CNC-S

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

## MANUAL SHEARS




### HT

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

## MOTORIZED SHEARS


SMT BV  
SMT BVH  
SMT NC  
SMT NCH



### SMT

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


MSB BV  
MSB BVH  
MSB NC  
MSB NCH



### MSB

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


MSC BV  
MSC BVH  
MSC NC  
MSC NCH



### MSC

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

## 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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