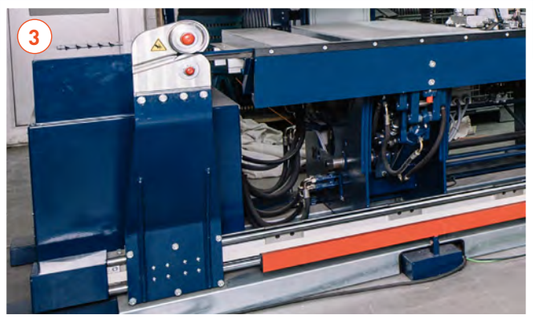
MADE
IN
GERMANY

LONG FOLDING MACHINES & DOUBLE BENDERS MODELS 2019

BIEGEMASTER

BEND IT LIKE BIEGEMASTER



1 Designing profiles

The planning of the profile is based on the daily requirements of companies with professional bending areas. With the BMS Multi-Touch control you work reproducibly and efficiently.

- Optional: preparation of profiles using our software at the office work place.
- Easily accessible archive on the bending machine for frequently needed parts.
- Draw parts directly on the machine using touch-screen painting. Easy and sophisticated operation using tapping.
- Automatic bend sequence computation with graphic simulation and display.
- Simple programming even for inexperienced users.
- Function for interlocking profiles.

2 Insert sheets comfortably

All Biegemaster machines are optimised for a safe and ergonomic way of working that is always reproducible.

- Automatic loading assistance: the lower folding beam is brought into horizontal position when the machine is open.
- Electronically controlled precision backgauge, with optional grippers.
- Driven by maintenance-free toothed belts.
- All gauge fingers can be individually positioned over the entire bending length.
- The sheet is firmly secured and then cut to size, accurate to the millimetre, with the integrated plate shears.
- The freely-positionable foot switch leaves both hands free.

3 Accurate cut

After being fixed in place for the first time, the sheet is cut to the millimetre with the integrated shears.

- Cutting device driven by maintenance-free toothed belts
- Cutting capacity up to 3 mm steel
- Because it is fastened on to the machine body, the folding beam is free from guide rails and from the influence of forces by cutting

4 Powerful and precise bending

All of the steps in the bending process are designed for precision and speed.

- Hydraulically or electro-kinematically driven bending joints
- Bending in 1 or 2 directions
- The optimal clamping jaw geometry enables large bending angles (150 °) and at the same time plenty of free space inside the machine.
- Clamping beam adjustment (head gap adjustment) to compensate for different metal thicknesses
- Automatic opening and repositioning of the sheet between the individual bending steps
- Each bending joint is driven individually and directly.
- Robust, rigid design for consistent bending performance over the entire length.

5 Many useful additional functions

Biegemaster is constantly improving the bending process. You receive different controls, equipment options and additional functions.
More on that from page 28.

INNOVATIVE.
OUT OF TRADITION.

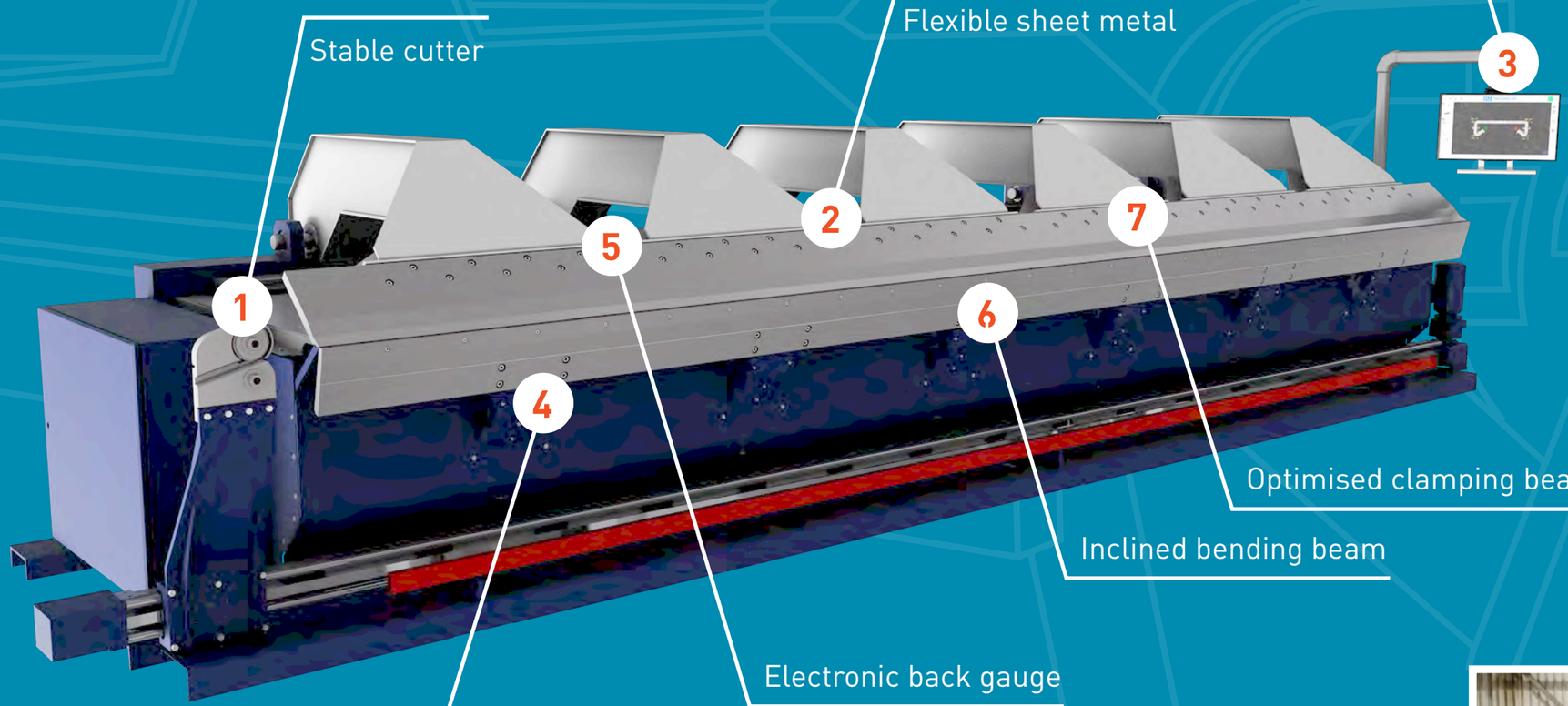
Since your work does not leave room for error and time is money, here at Biegemaster we do everything to ensure that faster is in fact better.

Since our inception, we have been manufacturing machines that provide our customers with decades of reliable, fast and consistently precise value-creating service. The trust of our customers is the constant motivation for us to continue to test the limits of what is technically feasible. Our developers are innovative out of tradition and are constantly working on making the bending process a little bit better. Whether through intuitive operating concepts, new machine layouts or by optimising the bending process.

We at Biegemaster understand what “masterbiegers” need.

BM BENDTRON

1. Stable cutter
2. Flexible sheet metal
3. BMS multi-touch control system
4. Electro-kinematically driven bending joints
5. Electronic back gauge
6. Inclined bending beam
7. Optimised clamping beam geometry



The bending machine taken to the next level. The Biegemaster BendTron is the first generation to be driven completely by electric motors. The BendTron enables you to bend all common profiles with a bending length ranging from 4 to 15 metres with material thicknesses of up to 1.5mm (steel) with the accustomed reliability and precision.

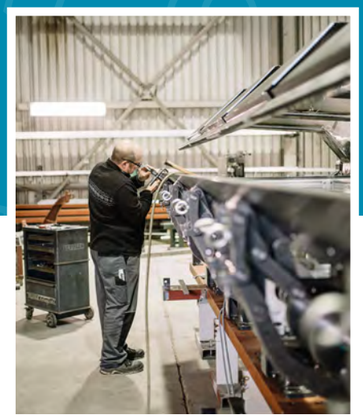
Precise positioning of the sheet metal: Computer-operated back gauge fingers enable the simple and precise positioning of sheet metals. Thanks to the freely positionable foot switch, both hands remain free when fixing the sheet metal.

Precise sheet metal cutting: The BendTron can optionally be equipped with an electrical cutter. Driven by a maintenance-free timing belt.

Powerful and precise electro-kinetic bending: Each stand/tension arm unit is equipped with an electro-kinetically driven bending joint. The robust and rigid construction ensures an even bending capacity over the entire length.

Demanding bending parts: You can precisely fold all common profiles with a bending length ranging from 4 to 15 metres with material thicknesses of up to 1.5mm. The optimal clamping beam geometry makes large bending angles (150°) with simultaneously lots of free space in the interior of the machine.

BM BendTron	
Lengths	4-15m
Bending capacity	1,5 mm (steel 400N/mm²)
Back gauge	Slider, computer-operated
Bending directions	1
Shear	Electrical cutter optionally available
Driven bending joints	All joints electro-kinematic
Control system	BMS multi-touch control system
Bending angles	Up to 150°



MADE IN GERMANY

You will find detailed information in the data sheet on page 24.

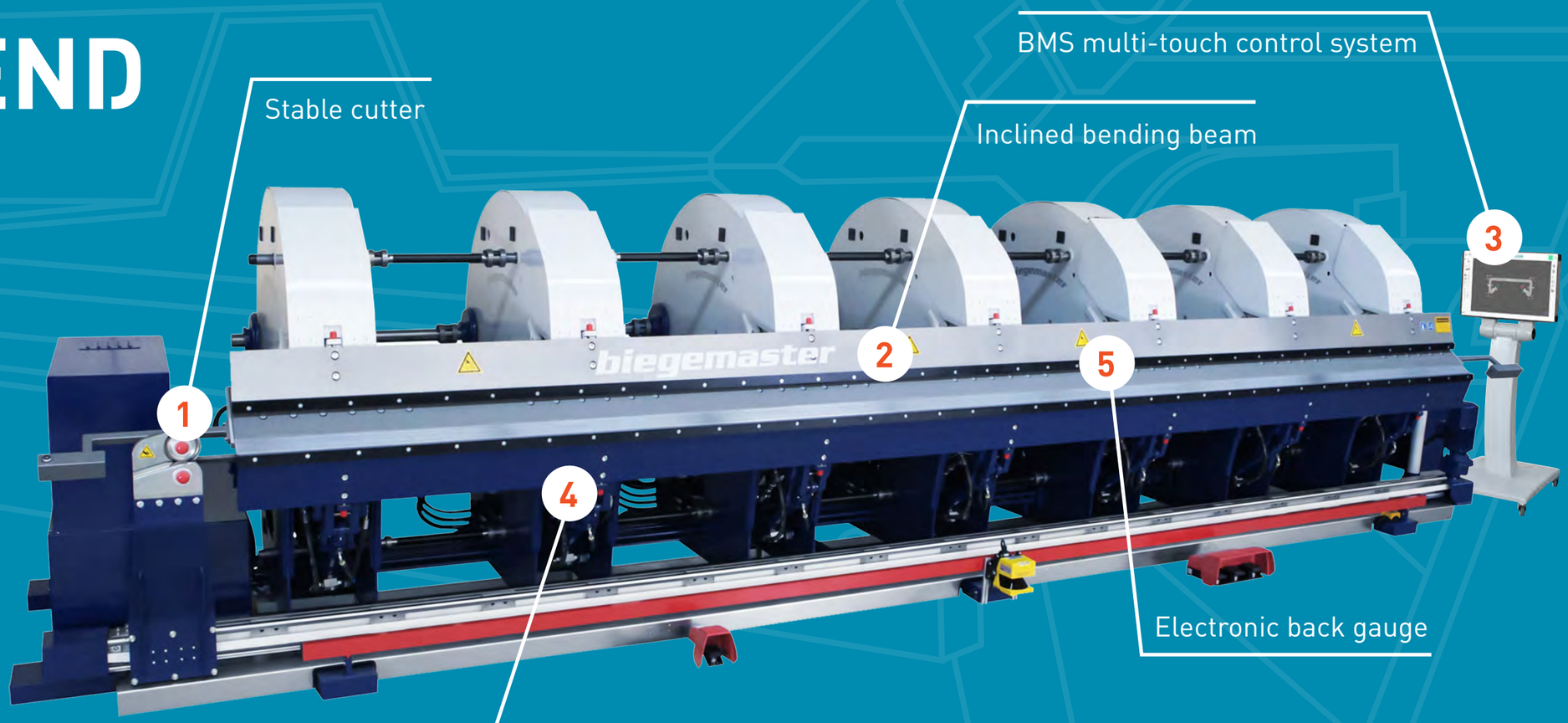
DEVELOPMENT –
TARGET ORIENTED AND PASSIONATE
MADE IN GERMANY

You can depend on this: Only pros work for Biegemaster, and they know exactly what is important in the bending process.

Made in Germany: and we mean that seriously. Right from the word go, Biegemaster designs, develops and manufactures exclusively in Germany. We respond to your needs and develop machines and additional functions that deliver measurable added value to our customers. The result is machines that are in use every day for decades.

BM XBEND

1. Stable cutter
2. Inclined bending beam
3. BMS multi-touch control system
4. Hydraulically driven bending joints
5. Electronic back gauge

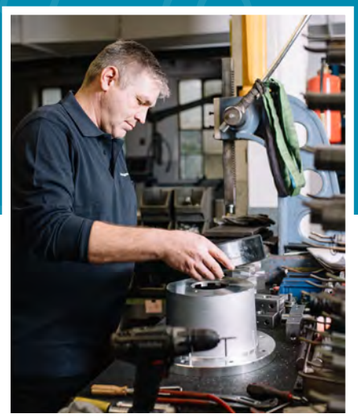


Hydraulically driven bending joints

Bending fully automated in both directions
The Biegemaster XBend bends material thicknesses of up to 2mm steel sheet metal fully automatically. Benefit from high productivity and easy handling.

Precise positioning, easy insertion of the sheet metals: Computer-operated back gauge fingers enable the simple and precise positioning of the sheet metals. Thanks to the freely positionable foot switch, both hands remain free when fixing the sheet metal.
Precise sheet metal cutting: The XBend can optionally be equipped with an electrical cutter. Fitting the clamping beam on the machine body eliminates constraining contours and force effects. Driven by a maintenance-free timing belt.
Rigid construction :
Each stand / tension arm unit is driven by two hydraulic cylinders. The robust and rigid construction ensures an even bending capacity over the entire length.
Preparation on your office PC:
For a highly efficient work preparation, you can also easily create a profile in advance at the office workplace with our software and subsequently transfer it onto the machine.
Automatic loading assistance:
The lower bending beam is brought into a horizontal position with the machine open. This makes it significantly easier to insert long and large cuts.
Inclined bending beams
permit a high degree of flexibility and short counter-folds. A clamping beam adjustment is optionally available.
Fully automatic bending in two directions without turning around:
With the optionally available grippers, the XBend bends fully automatically and without manual intervention. You can thus rule out application errors.

BM XBend	
Lengths	3-12m
Bending capacity	1,25-2mm (steel 400N/mm²)
Back gauge	Slider or gripper, computer-operated
Bending directions	2
Shear	Electrical cutter optionally available
Driven bending joints	All joints hydraulic
Control system	BMS multi-touch control system
Bending angles	Up to 150°
Clamping beam adjustment	Optionally available



MADE IN GERMANY

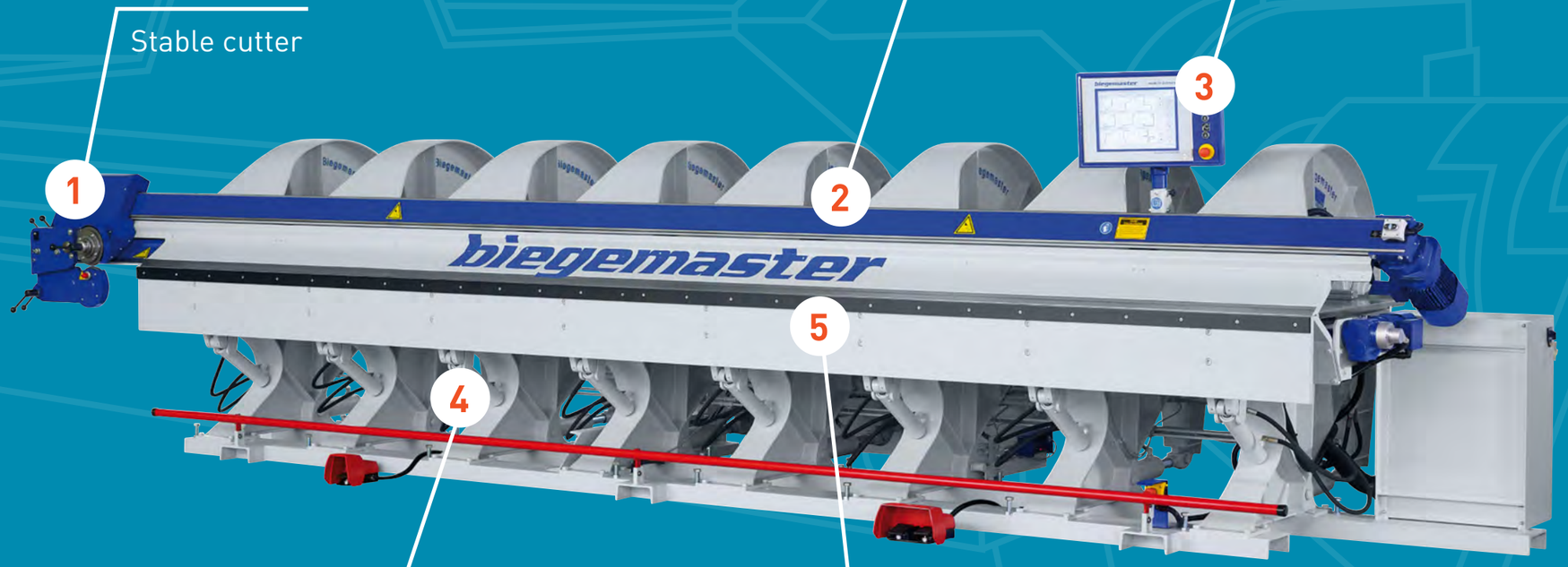
You will find detailed information in the data sheet on page 25.

GOOD TOOLS EQUAL HALF THE WORK.

We are true Swabians and are adamant about the quality of our machines. We don't just supply bending machines – we deliver reliability and precision you can depend on.

BM DURA

1. Stable cutter
2. Flexible sheet metal
3. BMS multi-touch control system
4. Hydraulically driven bending joints
5. Electronic back gauge



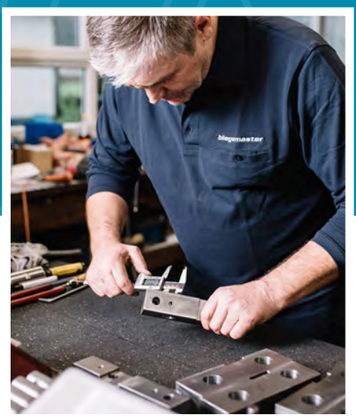
Hydraulically driven bending joints

Proven bending technology
The Biegemaster Dura is our bending machine with the widest range of applications. It is the most reliable and robust mainstay for tinsmiths.

Precise positioning of the sheet metals: Computer-operated back gauge fingers enable the simple and precise positioning of the sheet metals. Thanks to the freely positionable foot switch, both hands remain free when fixing the sheet metal.
Precise metal cutting: The Dura can optionally be equipped with an electrical or manual cutter. Fitting the clamping beam on the machine body eliminates constraining contours and force effects. Driven by a maintenance-free timing belt.
Powerful and precise hydraulic bending: Each stand / tension arm unit is driven by a hydraulic cylinder. The robust and rigid construction ensures an even bending capacity over the entire length.
The robust construction bends sheet metal thicknesses of up to 3mm.
Hydraulic clamping beam adjustment: The Biegemaster Dura is optionally equipped with a hydraulic adjustable clamping beam for material thickness adjustment.
The manual adjustment to pre-set each clamping beam separately serves to reduce overbends on short profiles.

Electronic back gauge

BM Dura	
Lengths	3-15m
Bending capacity	1,25-3mm (steel 400N/mm²)
Back gauge	Optional slider, computer-operated
Bending directions	1
Shear	Manual or electric cutter optionally available
Driven bending joints	All joints hydraulic
Control system	All control systems available (p. 28)
Bending angles	Up to 150°
Clamping beam adjustment	Optionally available



MADE IN GERMANY

You will find detailed information in the data sheet on page 26.

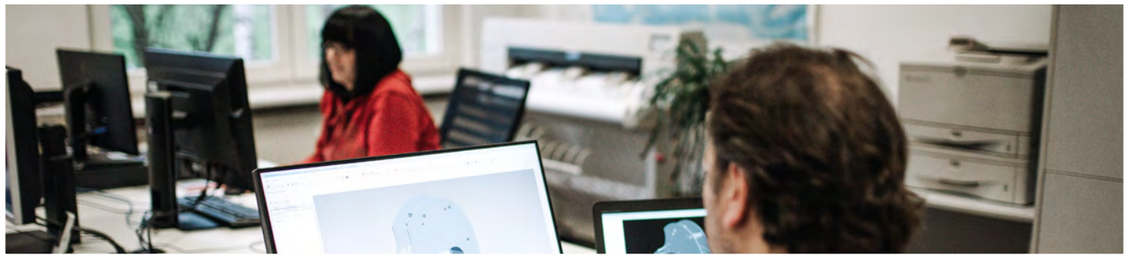
CUSTOMISATION

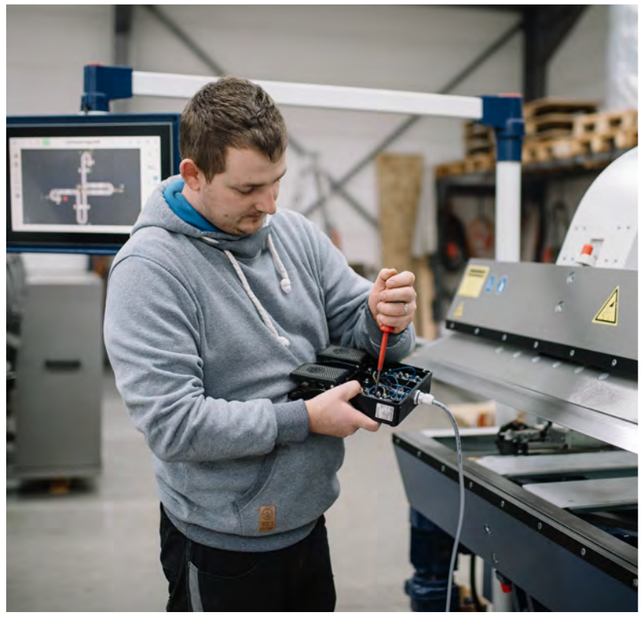
FOR TRUE BIEGEMASTERS.

A true Biegemaster cannot be just bought off the shelf – you know that and we know that.

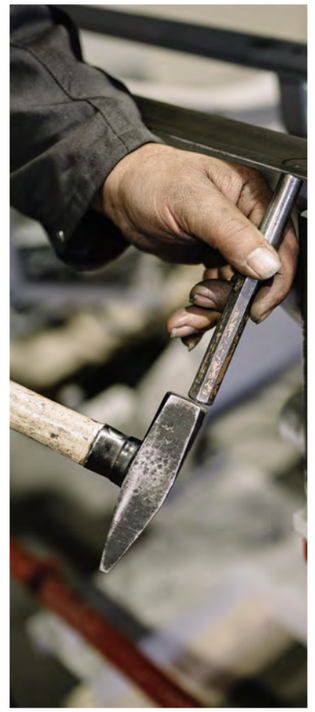
That is why we develop and manufacture every single machine exactly to the needs of our customers, using proven design methods.

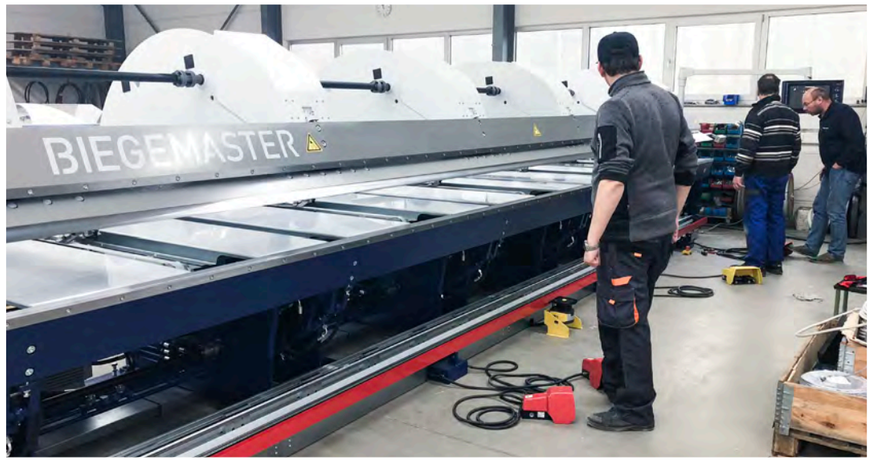

BIEGEMASTER






Biegemaster




BIEGEMASTER

THE FAMILY, THE COMPANY.

Here in Öhringen-Ohrnberg, we have been focused on the production and distribution of high-quality machines since 1955. The siblings Bettina and Mark Wirth are now the owners of the family company in the third generation.

I AM
A BENDMASTER.

With the Biegemaster Dura we opted for a machine with an unbeatable price/performance ratio. Its range of functions corresponds exactly to the real requirements of a roofing operation – at the same time, the machine is very easy to handle. The Dura is in daily operation in our company and is a key tool for us. When buying it therefore it was very important to me to invest in a sturdy and reliable machine with sufficient power reserves, and one that is also straightforward to maintain. I must emphasize the fast and competent service that Biegemaster has supported me with since the purchase.

Quite simply, I am a "Biegemaster", because I have found the perfect machine for my business.

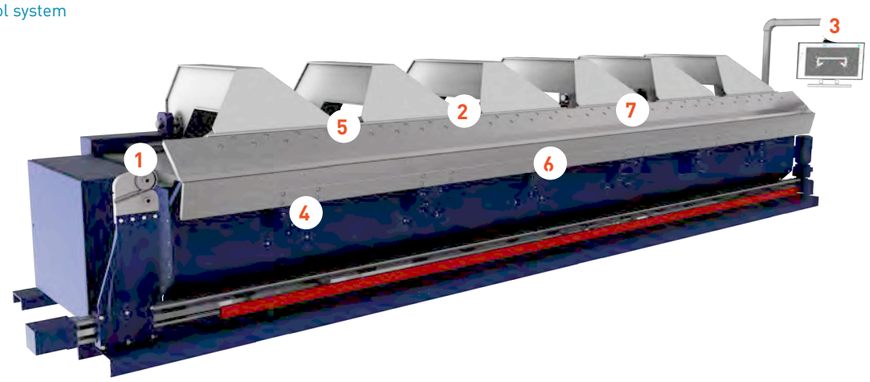
„IT WOULD BE DIFFICULT TO FIND MORE PROFESSIONALISM."

Klaus Quattlender
roofer/sheet metal worker,
Dettingen u.T.

BM BENDTRON

TECHNICAL SPECIFICATIONS

1. Stable cutter
2. Flexible sheet metal
3. BMS multi-touch control system
4. Electro-kinematically driven bending joints
5. Electronic back gauge
6. Inclined bending beam
7. Optimised clamping beam geometry

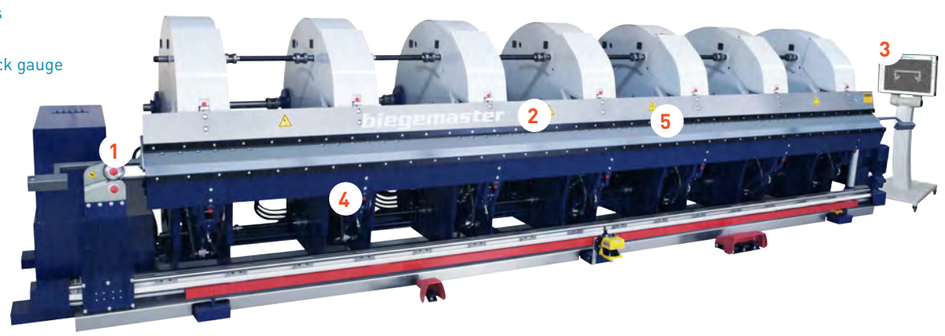


Model name	Working length	Stand / tension arms	Bending capacity
	mm		ST/AL
BENDTRON 4.1,50	4010	4	1,50/2,00 mm
BENDTRON 6.1,50	6400	6	1,50/2,00 mm
BENDTRON 8.1,50	8020	8	1,50/2,00 mm
BENDTRON 10.1,50	10020	10	1,50/2,00 mm
BENDTRON 12.1,50	12020	12	1,50/2,00 mm
Special lengths and other material thicknesses upon request			

BM XBEND

TECHNICAL SPECIFICATIONS

1. Stable cutter
2. Inclined bending beam
3. BMS multi-touch control system
4. Hydraulically driven bending joints
5. Electronic back gauge



Model name	Working length	Stand / tension arms	Bending capacity
	mm		ST/AL
XBEND 3.1,80	3010	3	1,80/2,00 mm
XBEND 3.2,00	3350	4	2,00/3,00 mm
XBEND 4.1,50	4010	3	1,50/2,00 mm
XBEND 4.2,00	4010	5	2,00/3,00 mm
XBEND 5.1,50	5010	4	1,50/2,00 mm
XBEND 6.1,25	6400	4	1,25/2,00 mm
XBEND 6.1,50	6400	5	1,50/2,00 mm
XBEND 6.1,75	6400	6	1,75/2,00 mm

Model name	Working length	Stand / tension arms	Bending capacity
	mm		ST/AL
XBEND 6.2,00	6400	7	2,00/3,00 mm
XBEND 8.1,25	8020	5	1,25/2,00 mm
XBEND 8.1,50	8020	6	1,50/2,00 mm
XBEND 8.2,00	8020	9	2,00/3,00 mm
XBEND 9.1,50	9020	7	1,50/2,00 mm
XBEND 10.1,50	10020	8	1,50/2,00 mm
XBEND 12.1,50	12020	10	1,50/2,00 mm
Special lengths and other material thicknesses upon request			

BM DURA

TECHNICAL SPECIFICATIONS

1. Stable cutter
2. Flexible sheet metal
3. BMS multi-touch control system
4. Hydraulically driven bending joints
5. Electronic back gauge

Model name	Working length	Stand / tension arms	Bending capacity
	mm		ST/AL
DURA 3.1,25	3100	3	1,25/2,00 mm
DURA 3.1,50	3100	4	1,50/2,00 mm
DURA 3.2,00	3100	5	2,00/3,00 mm
DURA 3.3,00	3100	4 H	3,00/4,00 mm
DURA 4.1,25	4010	4	1,25/2,00 mm
DURA 4.1,50	4010	5	1,50/2,00 mm
DURA 4.2,00	4100	7	2,00/3,00 mm
DURA 4.3,00	4010	6 H	3,00/4,00 mm
DURA 5.1,25	5020	5	1,25/2,00 mm
DURA 5.1,50	5020	6	1,50/2,00 mm
DURA 5.2,00	5020	8	2,00/3,00 mm
DURA 5.3,00	5020	7 H	3,00/4,00 mm
DURA 6.1,25	6200	5	1,25/2,00 mm
DURA 6.1,50	6200	7	1,50/2,00 mm
DURA 6.2,00	6200	10	2,00/3,00 mm
DURA 6.3,00	6200	8 H	3,00/4,00 mm

Model name	Working length	Stand / tension arms	Bending capacity
	mm		ST/AL
DURA 7.1,25	7020	6	1,25/2,00 mm
DURA 7.1,50	7020	8	1,50/2,00 mm
DURA 7.2,00	7020	12	2,00/3,00 mm
DURA 7.3,00	7020	10 H	3,00/4,00 mm
DURA 8.1,25	8020	7	1,25/2,00 mm
DURA 8.1,50	8020	10	1,50/2,00 mm
DURA 8.2,00	8020	13	2,00/3,00 mm
DURA 8.3,00	8020	11 H	3,00/4,00 mm
DURA 10.1,25	10020	9	1,25/2,00 mm
DURA 10.1,50	10020	12	1,50/2,00 mm
DURA 10.2,00	10020	17	2,00/3,00 mm
DURA 10.3,00	10020	14 H	3,00/4,00 mm
DURA 12.1,25	12020	10	1,25/2,00 mm
DURA 12.1,50	12020	14	1,50/2,00 mm
DURA 12.2,00	12020	20	2,00/3,00 mm
DURA 12.3,00	12020	16 H	3,00/4,00 mm

Special lengths and other material thicknesses upon request

YOUR CONTACT

Biegemaster enthusiast Mario Traub has been sales manager at the family business since 2011. The ever-changing puzzle that the customer gives him is his daily challenge: how to find the best way to put the right solution together to develop the perfect Biegemaster for your individual use.

Mario Traub would be pleased to answer your questions about Biegemaster products, used machines, or about the extensive range of services. Don't hesitate to call him or send an email.

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E-Mail: sales@biegemaster.de

CONTROL SYSTEMS

1

2

3

4

1 BMS multi-touch control system

with data exchange option

The BMS multi-touch control system enables intuitive operation by touching the screen. This ensures that new profiles can be created quickly or created using touchscreen painting. The control system can draw on stored profiles. Automatic bend sequence calculations with graphic simulation and illustration complete this all-rounder.
For a highly efficient work preparation, the simple profile creation is also possible in advance with our software at the office workplace and can subsequently be transferred to the machine.
With the BMS multi-touch control system, even untrained users can create profiles themselves in a short amount of time. Biegemaster can provide support to users of the BMS multi-touch system when creating profiles or reading out parameters for a subsequent analysis via a remote maintenance function.
Electronic back gauge included.

Available for: All models

2 BMS 150 / BMS 100 control system

With electronic back gauge TAZ 1000 (only BMS 150)

With the programmable SPS control system BMS 150 can store up to 100 profiles with up to 10 angles each and the respective back gauge position. The table overview is displayed on a 10-inch touchscreen.
The back gauge is driven electronically by a timing belt and is equipped with multiple back gauge fingers. The back gauge fingers are continuously adjustable over the entire machine length.

Available for: Dura

BMS 100
Like BMS 150, however without back gauge.

Available for: Dura

3 BMS 10

The programmable control system BMS 10 enables up to 10 bending angles to be programmed for the profile. Table overview in a 7-inch screen.

Back gauge: Optionally with manual back gauge

Available for: Dura

4 Standard control system

The classic functional control system for simple profiles and occasional bending. The bending angle is pre-set via the rotation indicator. After bending, the clamping beam opens automatically. Opening heights are continuously adjustable.

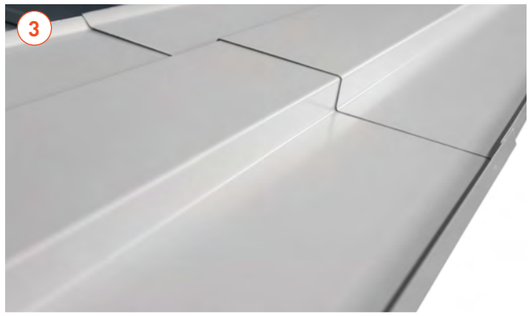
Back gauge: Optionally with manual back gauge

Available for: Dura

EXTRAS & UPGRADES

1

3



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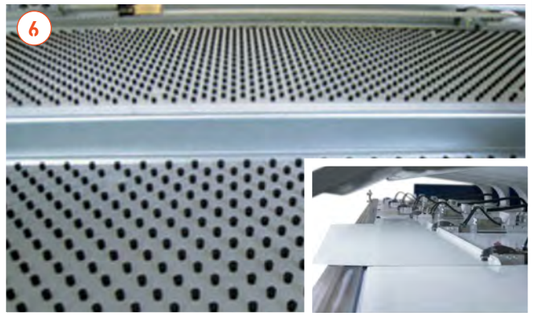

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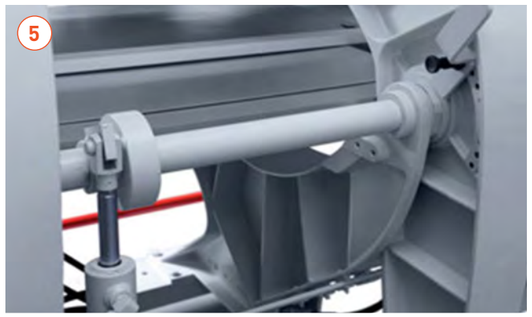

1 From the tablet to the machine

Fast and efficient: Biegemaster software allows you to draw the required folded profiles on your tablet on the construction site and later transfer it directly onto your bending machine via Bluetooth.

Available for: All BMS multi-touch control systems

2 Automatic gripper system

The automatic controlled grippers fix and position the sheet metal during profile creation. This reduces the manual intervention in the bending process to a minimum.

Available for: XBend

3 Conical back gauge

Enables the production of folded parts with widely varying depths (individual, conical bending) as well as profiles with a narrow and wide profile side (interlock function). In order to be able to suitably make the conical sheet cuts, a laser line at the sheet metal placement area indicates the millimetre-precise position.

Available for: XBend and BendTron

4 Insertion depth of 1250 mm

For cuts such as trapezoidal sheets, all our machines can be supplied with an insertion depth of up to 1250 mm.

Available for: All models

5 Automatic clamping beam adjustment

The hydraulic clamping beam adjustment (air gap adjustment) enables the adaptation to different sheet thicknesses.

Available for: All models

6 Non-abrasive placement area

Polyethylene or brush table placement areas enable the scratch-free and non-abrasive processing of sensitive, lacquered or delicate materials.

Available for: XBend and BendTron