biegemaster

Long Folding Machines

Model BM

up to 1.5 mm (16 gauge) material thickness



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BMS Touch Control

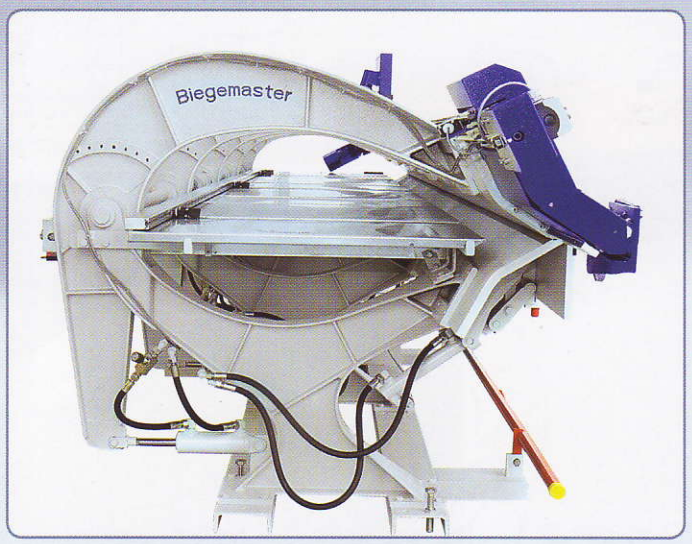
Rotary Shear



Stands and tension arms are made of high quality ductile cast iron eliminating any possibility of cracking, breaking, twisting, warping or other distortions.

Safety footrail

Multi function foot pedal
for clamping and bending operations



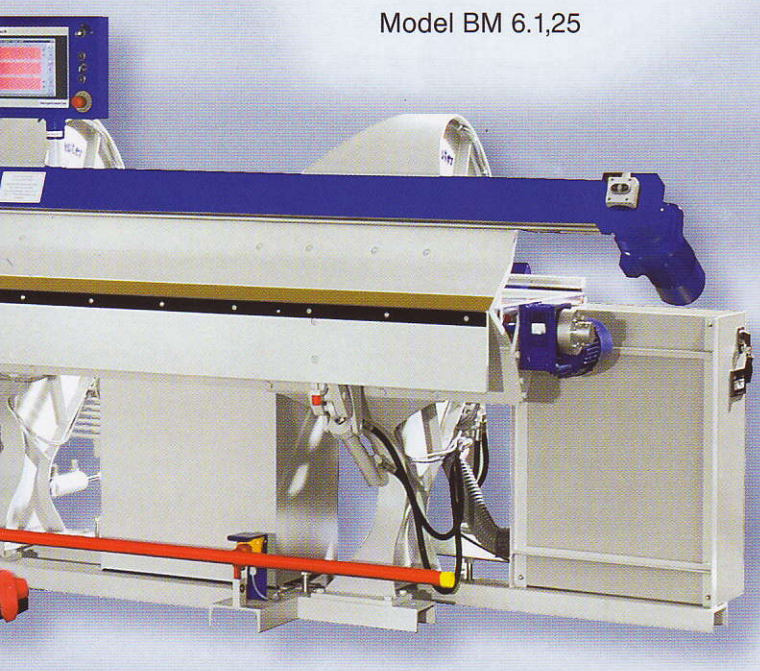
Adjustable and removable material supports.
This standard feature allows the material supports to be adjusted to allow greater clearence for complicated bending that requires greater clearence behind the support beam.



Numerous, maintenance free bearings in the linkage arms. Each pair of tension arms and stands has its own hydraulic cylinder arrangement proving uniform bending across the entire length of the machine.

Long Folding Machines 3-12 m/10-40 ft.

Model BM 6.1,25

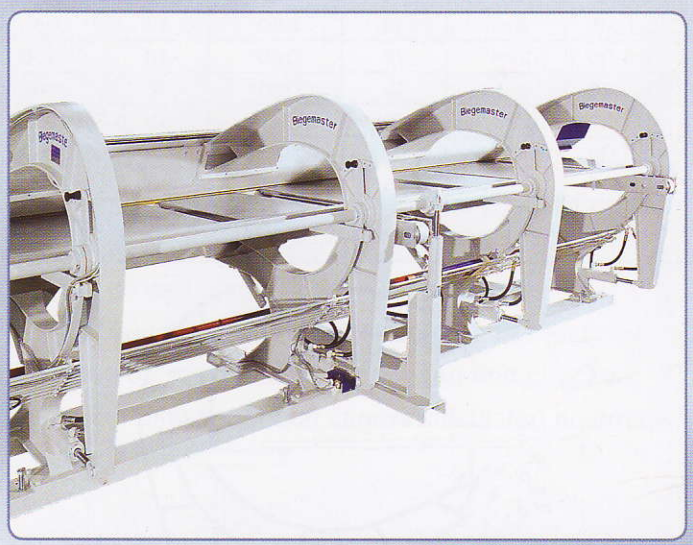


3
Year
Warranty
on Stands
and Tension Arms

Quality
made
in Germany

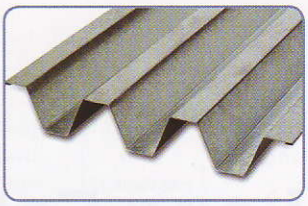


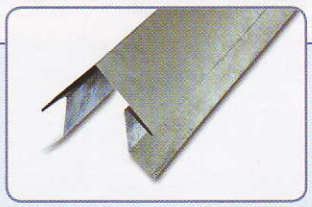
Sturdy manual rotary shear (standard equipment) or optional powered rotary shear can cut or trim material thickness up to 1.5 mm (16 gauge). The exclusive top-mounted design eliminates any interference with the bending process.



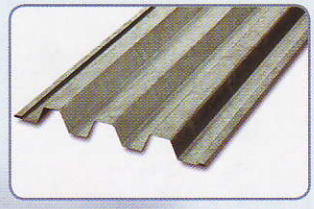
Optional all machines can be equipped with a manual or hydraulic adjustable clamping beam for material thickness adjustment. The manual adjustment to pre-set each tension arm separately eliminates overbends on short profiles.

Profiles from A to Z

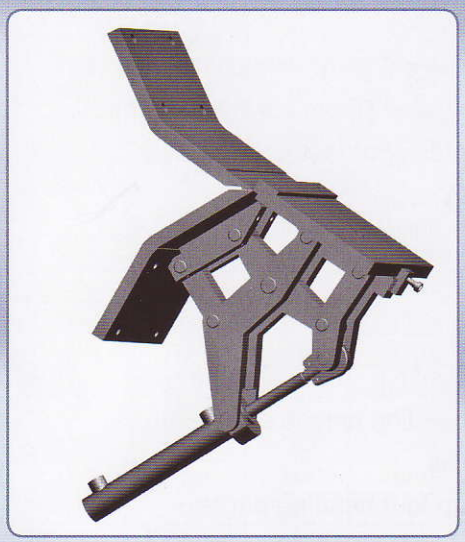


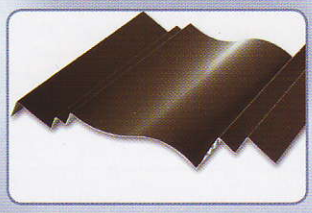


The Biegemaster Long Folding Machines, Model BM, can bend all typical profiles from 3 to 12 meters (10' to 40') and material thicknesses to 1.5 mm (16 gauge) steel. The high precision of bending accuracy and repeatability results from the finely tuned bending beam and the numerous hydraulic driven linkage assemblies.

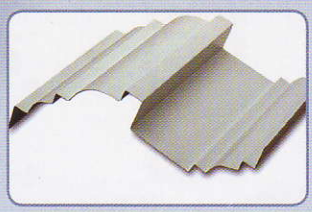




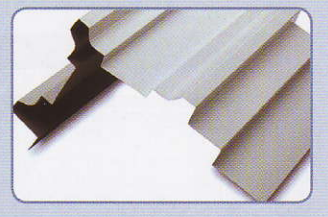


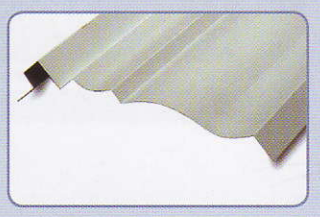


The travel of the linkage arms has been optimized through advanced computer modeling to improve the bending precision and maximize bearing life.







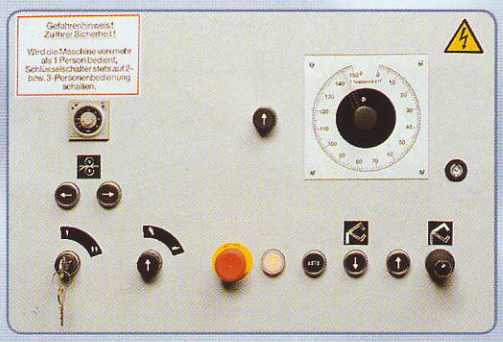


Programmable back gauge is driven by heavy-duty timing belts. Tremendous time savings result as measuring or scribing is eliminated. The back gauge finger are easily adjusted along the full length of the machine without a need of tools.
Working range: 22 to 985 mm (0,9" to 38,6")



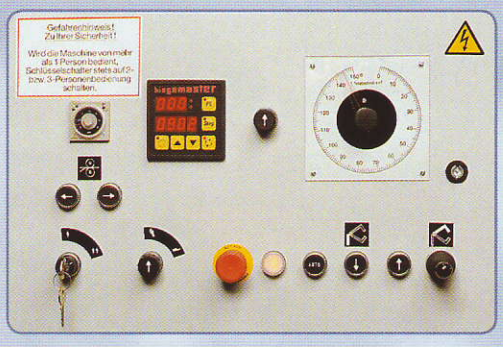
Long Folding Machines 3-12 m/10-40 ft.

Control Units



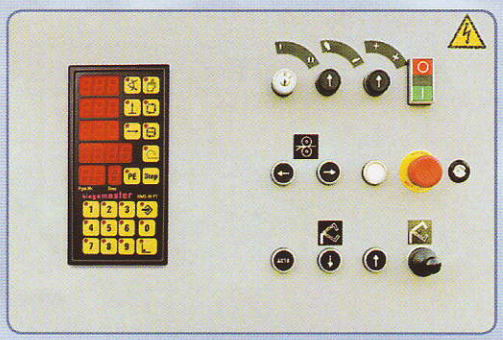
Standard Control

The standard control offers simple and fast operation of the Biegemaster Long Folding Machine.
Bending angle is easily set by a rotary dial. After bending the pre-set angle, the clamp opens automatically.
Opening clearance can be dialed in non-incrementally.



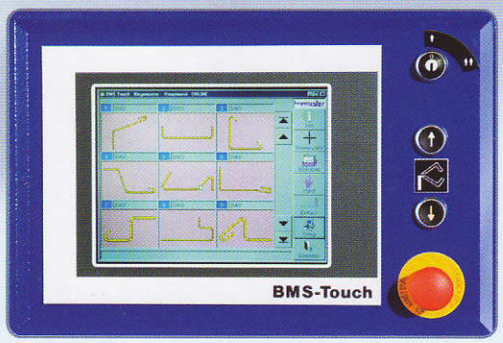
BMS 9 Control

This control is an upgrade of the standard version. It allows for the pre-setting of 9 different angles. These will be performed automatically in consecutive order. For fast and accurate production of repetitive profiles.



BMS 99 Control

This 2 axis control can store bending angles and clamp openings for 99 different profiles.
All of 99 profiles can contain up to 9 bending angles and openings.



BMS Touch Control

The graphical BMS Touch screen control is based on Windows operating system and allows the operator to view the part profile. The simulation allows to view the bending process to the pre-setted profiles as well as the new entered profiles.
The bending angles and dimensions of the pre-setted and new entered profiles can be rapid and easy changed and checked in the simulation. Bending sequence can be calculated automatically.

- innovative
- reliable
- long lasting

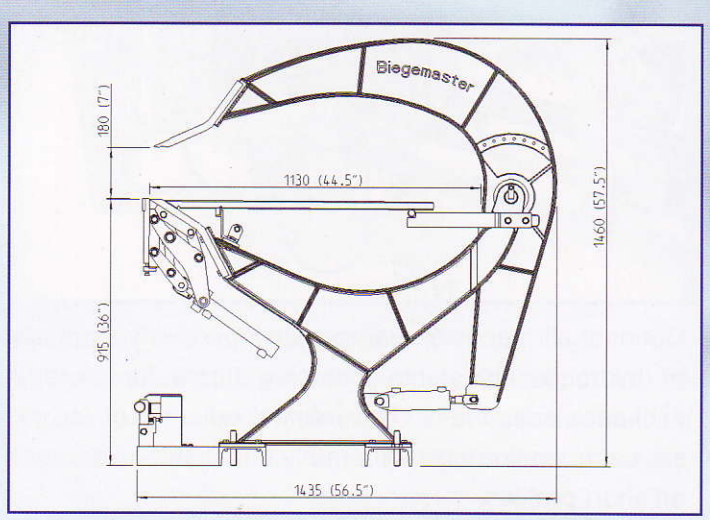
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Metric Specifications

Model BM	Working length mm	Bending Capacity Steel 400 N/mm²	Bending Capacity Aluminium 190 N/mm²	Shearing Capacity Motorized Shear Steel 400 N/mm²	Shearing Capacity Motorized Shear Aluminium 190 N/mm²	No. of Stand and Tension Arm Units	No. of driven linkage assem-blies	Hydraulic Motor Size Kw	Length with Hand Shear mm	Length with Motorized Shear mm	Approx. Weight kg
3.1,00	3100	1.00	1.50	1.25	1.50	2	2	2.2	3650	4300	1450
3.1,25	3100	1.25	2.00	1.25	1.50	3	3	2.2	3650	4300	1750
3.1,50	3100	1.50	2.00	1.50	2.00	4	4	2.2	3650	4300	1900
4.1,00	4010	1.00	1.50	1.25	1.50	3	3	2.2	4550	5200	2100
4.1,25	4010	1.25	2.00	1.25	1.50	4	4	2.2	4550	5200	2400
4.1,50	4010	1.50	2.00	1.50	2.00	5	5	3.0	4550	5200	2700
6.1,00	6200	1.00	1.50	1.25	1.50	4	4	2.2	6730	7380	2600
6.1,25	6200	1.25	2.00	1.25	1.50	5	5	3.0	6730	7380	3000
6.1,50	6200	1.50	2.00	1.50	2.00	7	7	4.0	6730	7380	3600
8.1,00	8020	1.00	1.50	1.25	1.50	6	6	3.0	8550	9200	3650
8.1,25	8020	1.25	2.00	1.25	1.50	7	7	4.0	8550	9200	3950
8.1,50	8020	1.50	2.00	1.50	2.00	10	10	5.5	8550	9200	4800
10.1,00	10020	1.00	1.50	1.25	1.50	7	7	4.0	10550	11200	4650
10.1,25	10020	1.25	2.00	1.25	1.50	9	9	5.5	10550	11200	4900
10.1,50	10020	1.50	2.00	1.50	2.00	12	12	7.5	10550	11200	5550
12.1,00	12020	1.00	1.50	1.25	1.50	8	8	5.5	12550	13200	4500
12.1,25	12020	1.25	2.00	1.25	1.50	10	10	5.5	12550	13200	5200
12.1,50	12020	1.50	2.00	1.50	2.00	14	14	11	12550	13200	6650

US Specifications

Model BM	Working length inches	Bending Capacity Mild Steel gauge	Bending Capacity 1/2 Hard Aluminium inches	Shearing Capacity Motorized Shear Mild Steel gauge	Shearing Capacity Motorized Shear 1/2 Hard Aluminium inches	No. of Stand and Tension Arm Units	No. of driven linkage assem-blies	Hydraulic Motor Size HP	Length with Hand Shear inches	Length with Motorized Shear inches	Approx. Weight lbs.
3.1,00	122"	20	.060"	18	.060"	2	2	3	144"	169"	3,190
3.1,25	122"	18	.080"	18	.060"	3	3	3	144"	169"	3,850
3.1,50	122"	16	.080"	16	.080"	4	4	3	144"	169"	4,180
4.1,00	157"	20	.060"	18	.060"	3	3	3	179"	205"	4,620
4.1,25	157"	18	.080"	18	.060"	4	4	3	179"	205"	5,280
4.1,50	157"	16	.080"	16	.080"	5	5	4	179"	205"	5,940
6.1,00	252"	20	.060"	18	.060"	4	4	3	273"	298"	5,720
6.1,25	252"	18	.080"	18	.060"	5	5	4	273"	298"	6,600
6.1,50	252"	16	.080"	16	.080"	7	7	5.2	273"	298"	7,920
8.1,00	315"	20	.060"	18	.060"	6	6	4	336"	362"	8,030
8.1,25	315"	18	.080"	18	.060"	7	7	5.2	336"	362"	8,690
8.1,50	315"	16	.080"	16	.080"	10	10	7.2	336"	362"	10,560
10.1,00	395"	20	.060"	18	.060"	7	7	5.2	415"	441"	10,230
10.1,25	395"	18	.080"	18	.060"	9	9	7.2	415"	441"	10,780
10.1,50	395"	16	.080"	16	.080"	12	12	10	415"	441"	12,210
12.1,00	480"	20	.060"	18	.060"	8	8	7.2	501"	527"	9,900
12.1,25	480"	18	.080"	18	.060"	10	10	7.2	501"	527"	11,440
12.1,50	480"	16	.080"	16	.080"	14	14	15	501"	527"	14,630



All Specifications subject to change without notice.

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