

EUROMAC Digibend 360

Flexibility and Quality for a Wide Range of Applications

The *Digibend 360* and *Digibend 360 CNC* offer a broad range of capabilities in a medium sized bending machine.

Technical description

- *EUROMAC* s hydraulic *cylinders* are permanently integrated into a solid and normalized Meehanitefi steel casting (65 N/mm²) for all Digibend models. Each frame has been designed with detailed finite element computations to achieve the best rigidity and dampening.
- The cylinder and the frame form a working unit and are machined in one setup and operation to assure you the maximum *accuracy* and *reliability* (patent pending).
- *Fast set-up tool indexing systems* are a standard feature on the Digibend. Four different tool clamping systems can be integrated into the wide machine table as well as into the moving ram:
 - A. Rapid Set-Up bending pin $\varnothing 80$ mm.
 - B. 3 aligned clamping pins $\varnothing 50$ mm.
 - C. Guide holder placed inside the structure for 415 mm. high bending tool.
- *Ram* is equipped with *hardened T-slots* to hold tooling accurate over a long time.
- All working parts are *hardened* and *precision ground*.
- Thanks to the *many types of tooling available*, you can accomplish nearly any bending task in minutes, from heavy plate bending, flat edge bending, punching, shearing to straightening and tube bending.

Digibend 360 Bending Machines



- The **precision back gauge** will index your parts with a repeatability of +/- 0.1 mm.
- The operator may select between **two working speeds** and between single stroke, single step and automatic mode.
- The ram **will automatically slow down** near the bending point, programmable at operators choice between 0 and 50mm.
- **The ram speed is adjustable** between 6 and 24 mm per second on the forward stroke.
- The **hydraulic pressure** can be controlled between 5 metric ton and 36 metric ton.
- **Easy, intuitive programming** of all working parameters in many languages is available: English, French, German, Spanish, Italian, Dutch, Danish, Swedish, Japanese and many more.
- **The stroke is electronically controlled** and displayed on a digital read out.
- The control **can store parameters for up to 99 bends** which can be combined into up to 50 bending sequences with a maximum of 80 bends each.
- **The control display** reads out all bending parameters including forward/return stop and actual ram position. A piece counter lets you keep track of your work progress.
- The maximum bending capacity for **work pieces** up to 200 mm wide is 20 mm in mild steel. Thinner gauges up to 6 mm can be bent up to 415 mm in width.

Technical Details	Digibend 160	Digibend 360	Digibend 720
Hydraulic Pressure (Tons)	16	36	72
Length of Stroke (mm.)	200	250	350
Oil Tank Capacity	25	ca. 60	100

(Lt.)			
Maximum Working Speed (mm./sec)	10	10/24	10/23
Minimum Working Speed (mm./sec)	2	6	7
Return Speed (mm./sec)	28	60	45
Fixture points	No.2 - Ø 50 No.1 - Ø 80	No.3 - Ø 50 No.1 - Ø 80	No.6 - Ø 80
Max. Oil Pressure (Bar)	250	260	260
Working Height (mm.)	900	900	900
Working Table Dimension (mm.)	480 x 920	580 x 1.170	650 x 1.520
Overall Dimensions (L x W x H) (mm.)	580 x 950 x 1.100	680 x 1.170 x 1.130	750 x 1.520 x 1.170
Weight (kg.)	390	900	1.800
3-Phases Motor (Hp)-(Kw)	2 - 1,5	5,5 - 4	5,5 - 4
Bending Height (mm.)	200	200	200
Extra High Bending (mm.)	/	H=415	H=415
Shearing Tool max. Thickness 12 mm.	/	H=150 mm.	H=150 mm.
Punching Tool max. Thickness 10 mm.	/	Ø0 mm.	Ø0 mm.
Straightening (mm.)	H=200 mm.	H=200 mm.	H=200 mm.
Two Jaw Bending Tool	/	Ø60 mm.	Ø60 mm.
Rotary Bending Tool	Ø50 mm.	Ø50 mm.	Ø50 mm.

Digibend 360 Bending Machine Brochure

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