Digibend

Multifunction horizontal presses

All the tools you need in a single machine:
reliable, precise and surprisingly functional.

EUROMAC®

All the **tools** you need in a single **machine.**

- It bends, punches, cuts and straightens virtually any type of material, such as copper, iron, aluminium, steel and even plastic
- It features automatic calculation of the bending angle and the best bending sequence, ensuring high quality standards in terms of precision
- A versatile, configurable solution perfect for small and large production capacities
- Precise and accurate, even for the most demanding applications
- Your worker can make repeatable, but also customised parts
- Minimal maintenance
- Perfected through over 35 years of experience in the sector

Technology

The cylinder is fully integrated into the structure and the head is guided along the entire stroke to ensure the highest accuracy, even in the most demanding applications.

The robust structure with an innovative control system and specially designed hydraulics ensures incredible bending repeatability (0.02 mm), even after processing thousands of pieces.

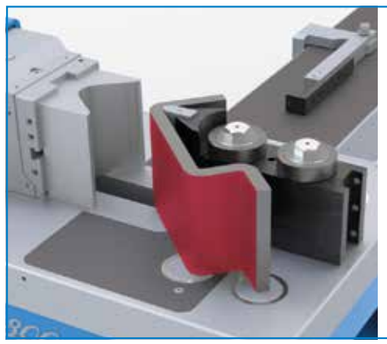
The flexible and robust design of the Digibend table (with scratch-resistant treatment), together with the easy control system (2 CNC axes), allows each user to create custom tools for special applications.

EUROMAC | **Multifunction Horizontal Presses**

Tools

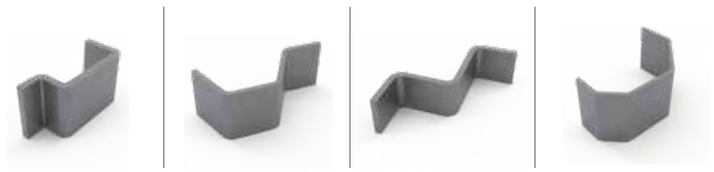
With Digibend, you have the utmost bending flexibility!

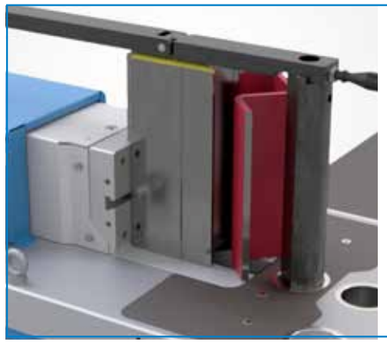
Euromac offers a wide range of special and standard tools for its Digibend machines. The tooling is simple and fast, allowing each user to create customized tools for special applications.



Bending insert holder with 2 holes

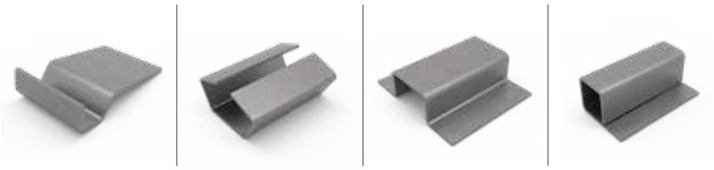
Guarantees the utmost stability and precision along the entire bending line, even at very high tonnages.

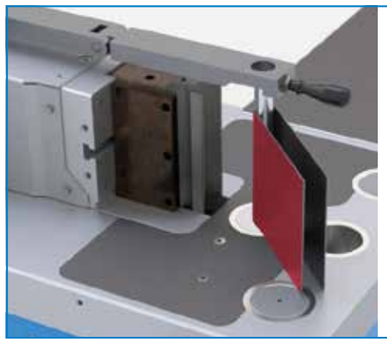




Tall bending tools

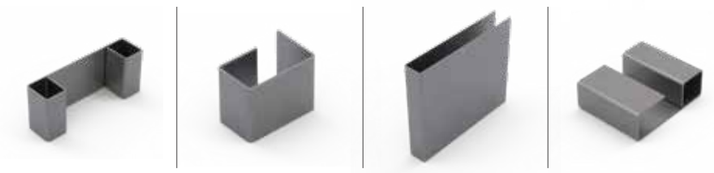
A set of tools that guarantee precise, linear bends, even over considerable bend lengths with high tonnages.





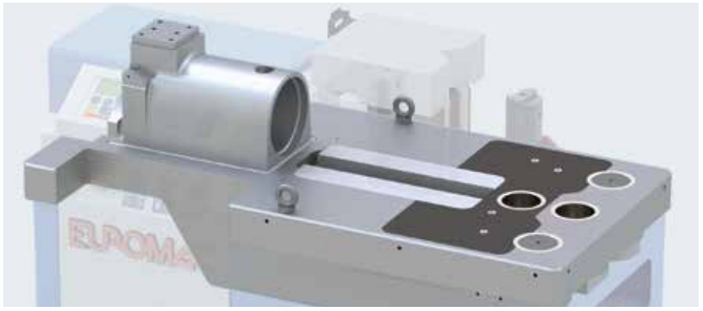
Bending pins with very small diameters

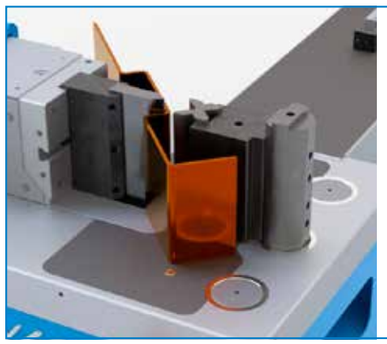
These allow for very small folds and boxes, even over considerable heights.



Structure

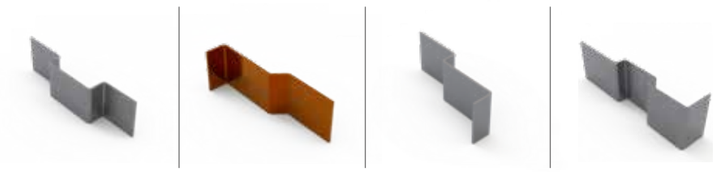
The Digibend platen is made of a single block of Meehanite® without any welding.

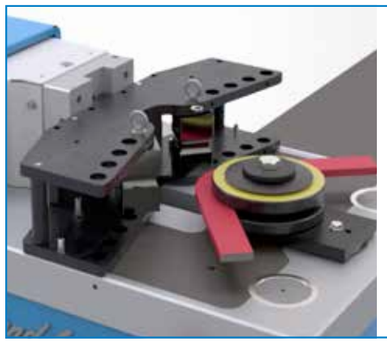




Movable bending punch

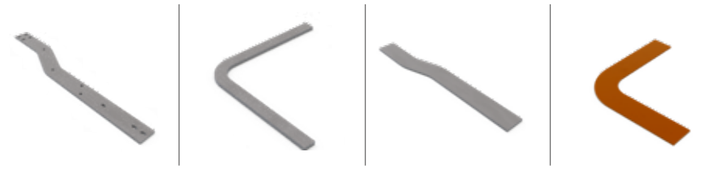
The flexibility of being able to vary the tooling direction allows for very close folds.

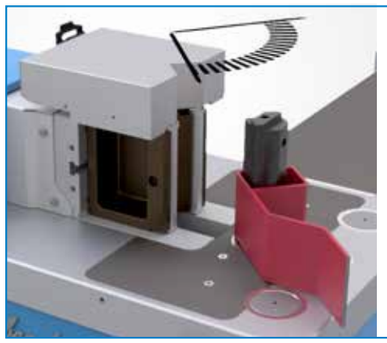




Set of flanges

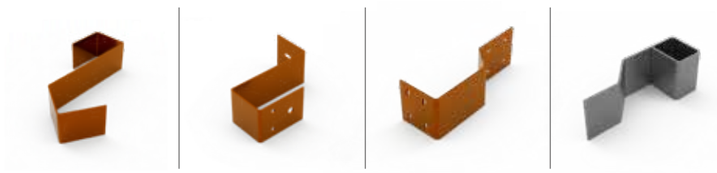
Ensures bending on the sides, maintaining a constant cross section without deforming or expanding the material.





Die with active angle control

Allows precise and repetitive angles from the very first bend, without the need to apply corrections.

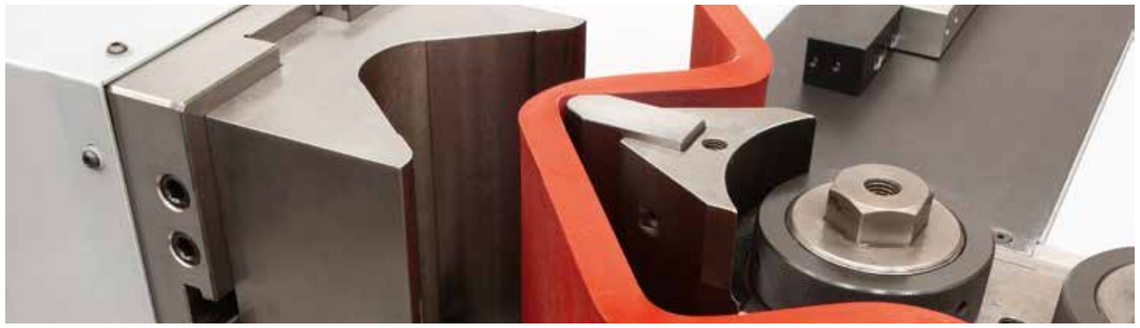


Applications

A single machine, so many applications.

To bend and punch, but also cut and straighten iron, copper, steel, aluminium and plastic.
Digibend can be equipped with a series of dies, punches and tools that allow it to perform a wide range of machining operations.

In addition to the large number of ready-to-deliver tools, we also provide the necessary specifications to make custom tools.

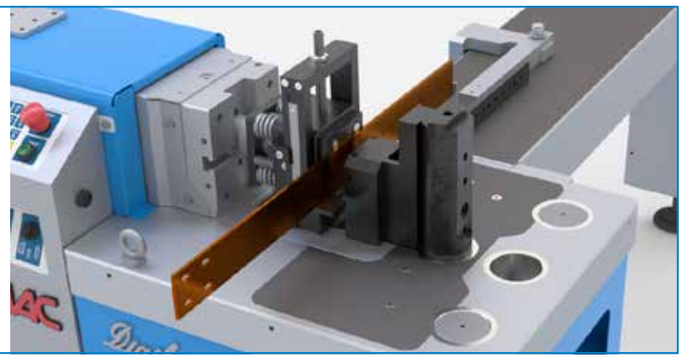


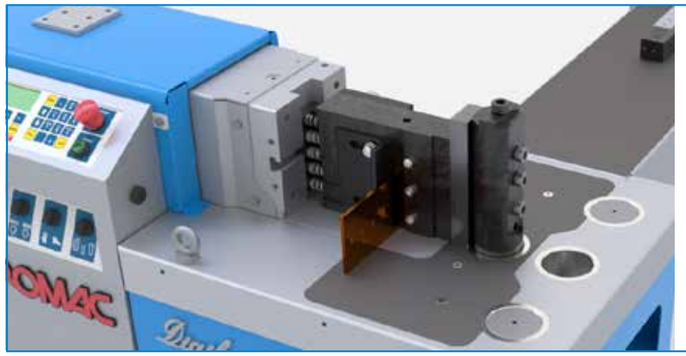
PUNCHING UNIT

The punching unit automatically makes a series of holes in any material.

Max. D 30 mm

Max. Th. 12 mm





SHEARING UNIT

Bars can be cut automatically, without removing any material.

Max. Th. 12 mm

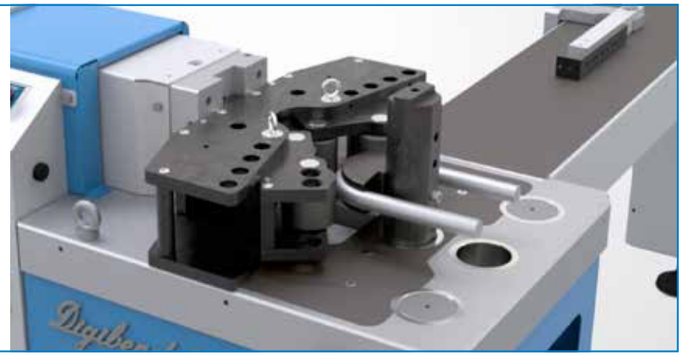
H. 200mm

4-JAW TOOL

For bending flat bars, pipes and rods with a circular or square cross section.

Also suitable for bending materials that require a high tonnage.

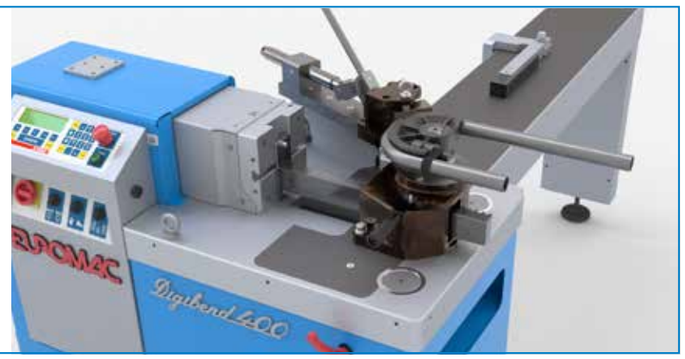
Maximum bending angle 180°



ROTARY TUBE BENDER

Enables tube bending with an excellent finish, even for small inner radii.

Maximum bending angle 180°



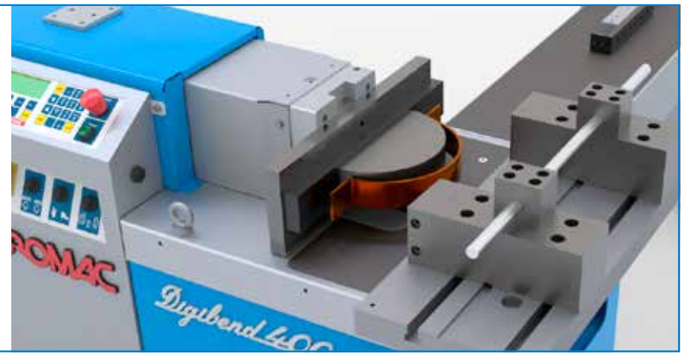
BAR STRAIGHTENING TOOL

Straightens and/or calenders structural and high-strength bars, applying high tonnages.

BRACKET TOOL TO FASTEN TUBES

Creates pipe brackets in a single stroke.

With the adjustable opening, different diameters can be created with a single tool.



Software

Digisoft® simplifies production planning and development.

Digisoft® is simple and intuitive. It allows you to view and manage various types of machining and comes with a large number of functions, including:

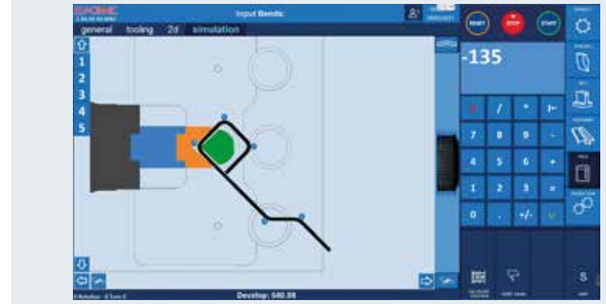
- Programming from the office
- Automatic calculation of part development
- Automatic calculation of the best bending sequence
- Automatic calculation of the bending angle
- Different programs to manage bending, punching, shearing and straightening
- Development of 2D graphical programs
- Imports DXF files for the tools and workpiece
- Prepared for data exchange, production control and industry 4.0

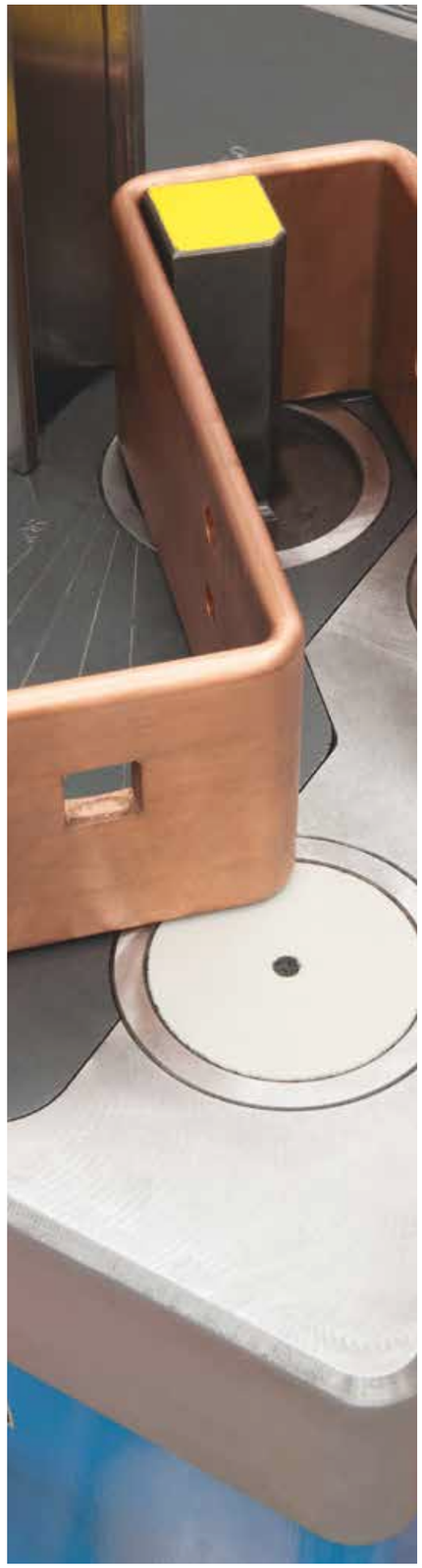
21.5” touch-screen monitor with integrated Wi-Fi:

Digibend machines are equipped with a monitor to perform operations directly on board. Digisoft software can be used via the touch screen to perform bending, punching and shearing operations, as well as many others.

The machine communicates with the software in the office through two-way data exchange so that you can manage the work according to your needs.

Compatible with: Industry 4.0





Automation

Active angle control

This system is integrated into the bending matrix, allowing you to control the angle of the bend and correct it independently, leading to an angle exactly in line with what is programmed in the software.

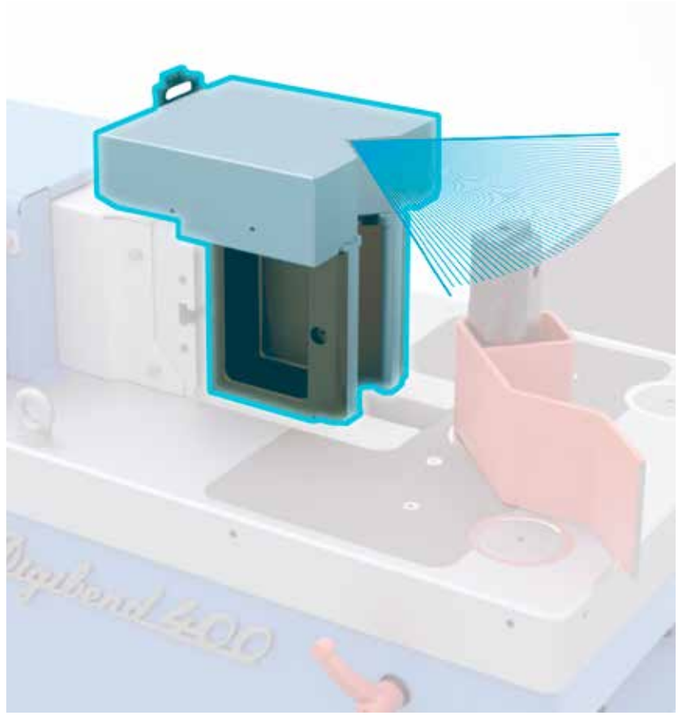
It solves very common problems in the workshop, namely variations in thickness and material quality, which affect the repeatability of the bending.

Operators will no longer have to worry about checking the angles of the bends, because the new angles are displayed on the screen in real time.

Active angle control guarantees an accuracy of about 0.1°.

Euromac supplies dies with various openings to meet a wide range of requirements for bending different materials and thicknesses.

It is a simple, versatile tool for installation on Digibend machines.



Digibend 200

Technical Information

	Digibend 200e	Digibend 200 CNC
Max. tonnage (kN)	200	200
Max. stroke (mm)	195	195
Max. speed (mm/s)	9.6	9.6
Min. speed (mm/s)	4.8	4.8
Return speed (mm/s)	48	48
Average processing speed (mm/s)	28.8	28.8
Savable programs	255	255
Savable fold sequences	50	50 + 5
Number of folds per sequence	16	16
Working table dimensions (mm)	480 x 1060 x 925 (A)	480 x 1060 x 925 (A)
Fastening holes on the table (no x Ø – mm)	1 x Ø 80 / 2 x Ø 50	1 x Ø 80 / 2 x Ø 50
Digisoft possibility	No	Sì
Working height (mm)	925	925
Oil tank capacity (L)	40	40
Engine HP – kW	3 - 2	5.5 - 4
Bending height (mm)	A=200	A=200
Extra bending height (mm)	400	400
Max. shear thickness	A=150 x 6 (thickness)	A=150 x 6 (thickness)
Straightening (A/thickness)	A=200	A=200
Bending with 2 jaws (mm)	Ø 33.7	Ø 33.7
Rotary tube bender (mm)	Ø 50	Ø 50
Automatic CNC workpiece stopper(L, mm)	No	1250 / 2000 / 3000
Approx. weight (kg)	340	340
Dimensions (D x W x H)	580 x 1060 x 1150	580 x 1060 x 1150

Digibend 400 CNC

Technical Information

Max. tonnage (kN)	400
Max. stroke (mm)	245
Max. speed (mm/s)	9.6
Min. speed (mm/s)	4.8
Return speed (mm/s)	62
Average processing speed (mm/s)	35.8
Savable programs	255
Savable fold sequences	50 + 5 (punching)
Number of folds per sequence	16
Working table dimensions (mm)	580 x 1230 x 925 (A)
Fastening holes on the table (no x Ø – mm)	4 x Ø 80
Digisoft possibility	Yes
Working height (mm)	925
Oil tank capacity (L)	40
Engine HP – kW	5.5 – 4
Bending height (mm)	A = 200
Extra bending height (mm)	A = 400
Max. shear thickness	A = 150 x 10 (thickness)
Max. punching thickness	Ø 30 x 10 (thickness)
Straightening (A/thickness)	A = 200
Bending with 2 jaws (mm)	Ø 60
Rotary tube bender (mm)	Ø 50
Automatic CNC workpiece stopper(L, mm)	1250/2000/3000
Approx. weight (kg)	700
Dimensions (D x W x H)	580 x 1230 x 1150

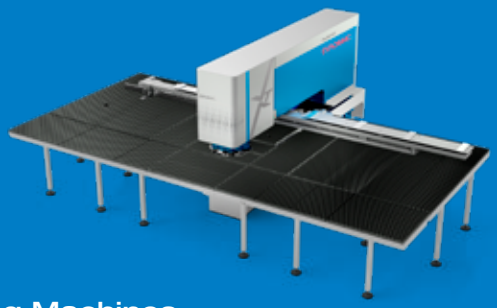
Digibend 800 CNC

Technical Information

Max. tonnage (kN)	800
Max. stroke (mm)	345
Max. speed (mm/s)	9.3
Min. speed (mm/s)	4.6
Return speed (mm/s)	45
Average processing speed (mm/s)	27.2
Savable programs	255
Savable fold sequences	50 + 5 (punching)
Number of folds per sequence	16
Working table dimensions (mm)	650 x 1565 x 925 (A)
Fastening holes on the table (no x Ø – mm)	6 x Ø 80
Digisoft possibility	Yes
Working height (mm)	925
Oil tank capacity (L)	60
Engine HP – kW	5.5 – 4
Bending height (mm)	A = 200
Extra bending height (mm)	A = 400
Max. shear thickness	A = 150 x 12 (thickness)
Max. punching thickness	Ø 30 x 12 (thickness)
Straightening (A/thickness)	A = 200
Bending with 2 jaws (mm)	Ø 60
Rotary tube bender (mm)	Ø 50
Automatic CNC workpiece stopper(L, mm)	1250/2000/3000
Approx. weight (kg)	1500
Dimensions (D x W x H)	750 x 1565 x 1200

The fields of application refer to the use of materials with a resistance of 400 N/mm².

Automatic Loading and Unloading Systems



Punching Machines

Automated Press Brakes

Electric Press Brakes

Notching Machines

EUROMAC®

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