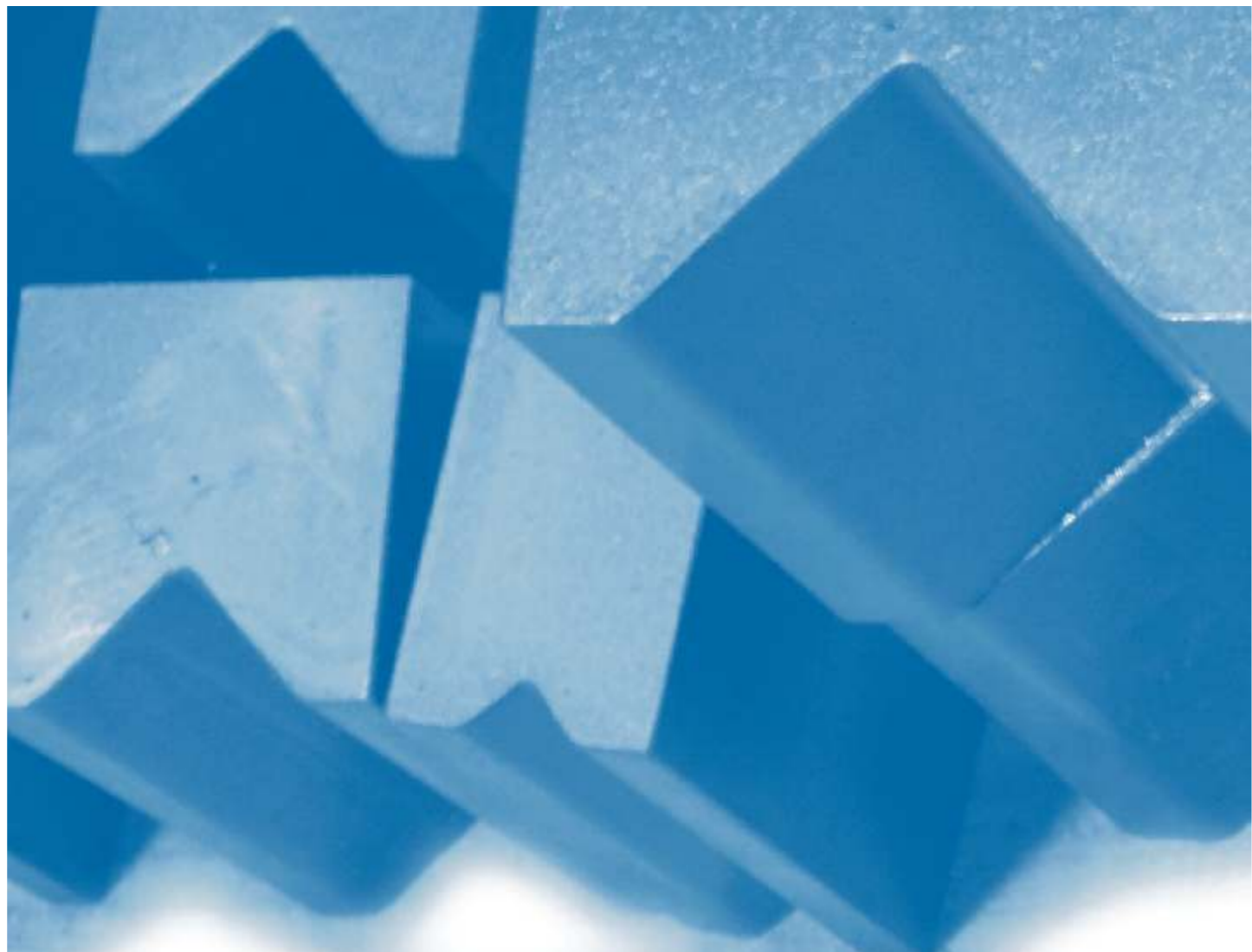




The **BENDHOR Horizontal Bending** machines are designed for fast, precise and safe folding, bending and straightening operations in different sections and grades.

Accesorios Industriales LOAR, S.A. developed this range of **Horizontal Folding-Bending** Machines over 15 years ago. We found that the use cold bending, despite the complexity of some common pieces such as hinges, clamps, flanges, etc., could be carried out by simply equipping **BENDHOR Horizontal Bending** Machines with a **particular tool**.

Our **TECHNICAL OFFICE** develops customised tools in response to the specific needs of the different bending situations proposed by our customers.

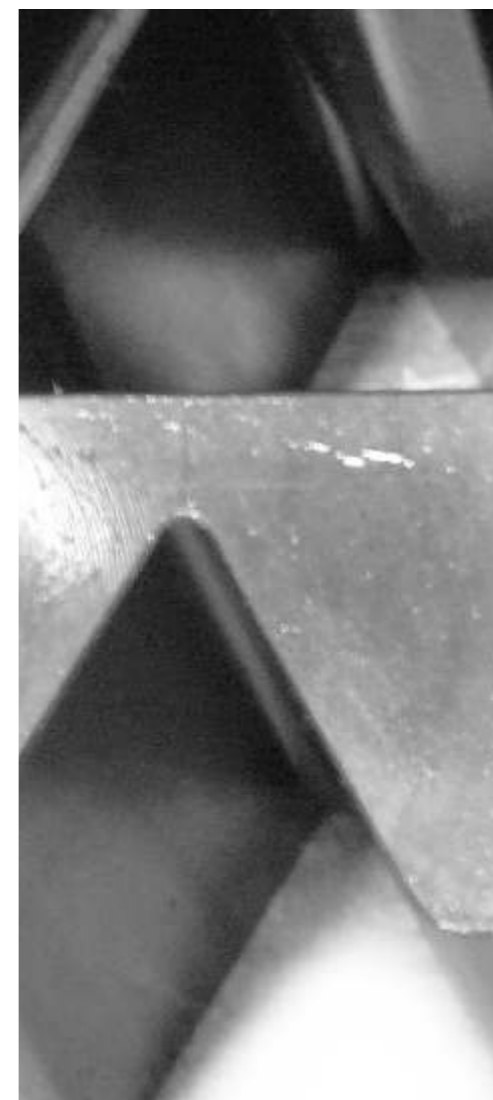


Pol. Lastaola, Pab. B-2
Apartado 108
20120 Hernani, Gipuzkoa (Spain)
Tfno.: +34 943 331358
Fax: +34 943 331483
loar@loar.es | info@bendhor.com
Coordenadas GPS:
N 43° 15,38'5" | O 1° 56,56'5"

www.loar.es www.loar.es www.loar.es



www.loar.es www.loar.es



LOAR Mecanizados has more than 25 years of experience, exclusively machining and mounting sub-assemblies for a global leader in the manufacture and sale of punching shears.



This experience allows us to be highly competitive when machining medium / large pieces to plan. Our welding stations and paint booths give us the opportunity to deliver finished pieces.

We have:

- Machining / milling centres
- GEINSA painting and drying booths
- Welding boxes
- CAD CAM: Autocad, SolidWorks, Gibbscam
- Plant / warehouse: 2000 m² + 600 m²





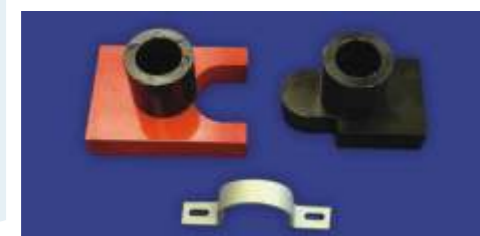
Piston force 20 Tn. With a 200 mm stroke. Ideal for bending which does not require much force but with specially customized devices. A very agile and versatile machine making it ideal for artistic Forge work (links, rings, etc.) or hardware (flanges, omegas, clamps, etc..) among others.

Standard machine tools: 2 Toolholders, 2 Toolholder spindles, 1 Die for 90° V = 50, 1 Die for 60° V = 70 and 1 Punch 60°.

Two options for the folding control: WHEELS or CNC.



[*] Optional tooling subject to change without notice.



Technical Specifications (*)	UNITS	VALUES
Bending Capacity	KN	200
Table size	mm	980x485
Working height	mm	960
Travel	mm	200
Work speed	mm/sec	10
Positioning Speed	mm/sec	-
Motor Power	KW	-2,2
Maximum pressure	Bar	250
Oil tank capacity	Litre	40
Net Weight	kg	480
Tool holder shaft diameter	mm	55
Maximum flatbar bending capacity(420 N/mm ²)	mm	120x15
Maximum pipe diameter	2"	

(*) Specifications subject to change without notice.



The 30 ton force and the 200mm working stroke, in addition to the robustness of its structure, make this a star product. This is a machine designed for demanding and ongoing jobs. The table measurements allow special larger scale development than that of the smaller version to be tackled. The 30 tons force enables flatbars of up to 120x20 to be bent with standard tools.

Standard machine tools: 2 Toolholders, 2 Toolholders spindles, 1 Die for 90° V = 50, 1 Die for 60° V = 70 and 1 Punch 60°.

Two options for folding control: WHEELS or CNC.



[*] Optional tooling subject to change without notice.



Technical Specifications (*)	UNITS	VALUES
Bending Capacity	KN	300
Table size	mm	625x1090
Working height	mm	960
Travel	mm	200
Work speed	mm/sec	10
Positioning Speed	mm/sec	4
Motor Power	KW	5,5
Maximum pressure	Bar	250
Oil tank capacity	Litre	80
Net Weight	kg	850
Tool holder shaft diameter	mm	55
Maximum flatbar bending capacity (420 N/mm ²)	mm	120x20
Maximum pipe diameter (< máx. 90 °)	2"	

(*) Specifications subject to change without notice.



Piston force 50 Tn, with a 350 mm stroke and an impressive cast steel oversized table. These characteristics give great rigidity to the structure, allowing work on heavy parts and opening infinite possibilities to develop special tools (bending Ø50 mm solid bars).

Standard machine tools: 2 Toolholders, 2 Toolholders spindles, 1 Die for 90° V = 140, 1 Die for 60° V = 70 and 1 Punch 60°.

Two options for the folding control: WHEELS or CNC.



[*] Optional tooling subject to change without notice.



Technical Specifications (*)	UNITS	VALUES
Bending Capacity	KN	500
Table size	mm	800x1630
Working height	mm	960
Travel	mm	350
Work speed	mm/sec	10
Positioning Speed	mm/sec	4
Motor Power	KW	5,5
Maximum pressure	Bar	250
Oil tank capacity	Litre	80
Net Weight	kg	1790
Tool holder shaft diameter	mm	80
Maximum flatbar bending capacity (420 N/mm ²)	mm	150x25
Maximum pipe diameter (< máx. 90 °)	2"	

(*) Specifications subject to change without notice..

OPTIONAL TOOLING MACHINES



Optional tooling for Bendhor machines. (Full functional sets)

MANUAL LONGITUDINAL STOP



Single stop



Multiple stop

SET WITH OPTIONAL BASE



Tube bending (90°)
(Max2" ISO65 - DIN 2440)



Straightening profiles



Edge-flat bending



FUNCTIONAL ATTACHMENT



Rings Ø and Ø



90° Bar bending (max Ø30)



Apart from our Bendhor bending machines, we have a tooling list with different dies and punches.

TOOLING DEVELOPMENT. OWN TECHNICAL OFFICE.