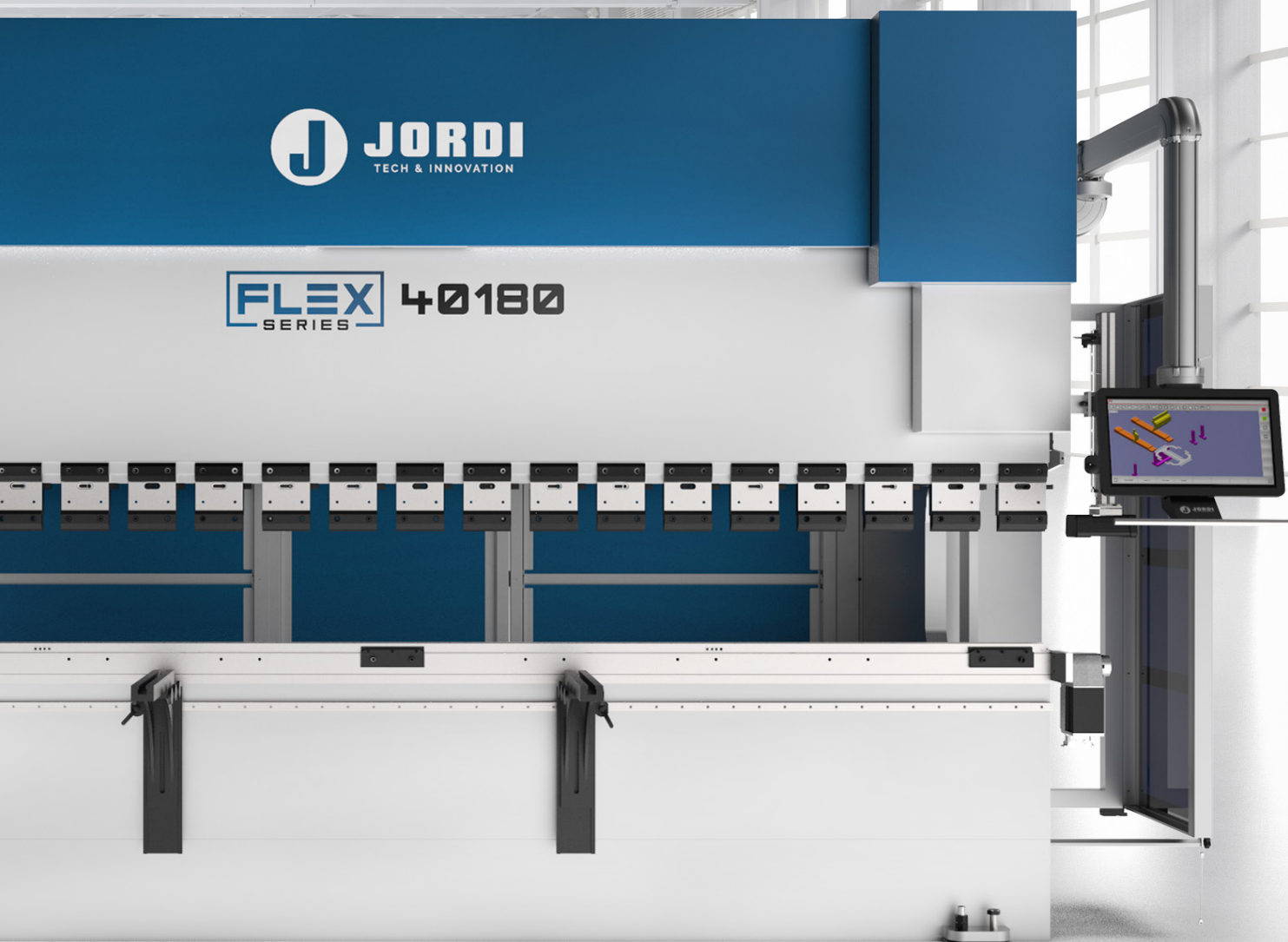


# FLEX SERIES



**FLEX** 40180  
SERIES





# Welcome

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**We are proud to present the new FLEX Series,** the line of last generation Press Brake machines designed and manufactured by JORDI with a renewed design and optimized performance to meet the production needs of your company.



## Index

INDEX OF CONTENTS	3
ABOUT JORDI	4
QUALITY MADE IN EUROPE	4
DISCOVER FLEX	5
TECHNICAL SPECIFICATIONS	6-7
HIGHLIGHT FEATURES	8
DEEP THROAT AND SUPPORT	9
FLEX PROGRAMMING	9
ESSENTIAL DETAILS	10
BENEFIT AND WARRANTIES	11
GALLERY OF PICTURES	12
NOTES	13
CONTACT	14

# About JORDI

KNOW MORE ABOUT US

At JORDI we are committed to reliability and quality. The thoroughness is the basis of our work and is implemented in each of the research and production processes. **Thanks to this we have created the new FLEX SERIES, the culmination of our commitment to innovation and development.**

**We are experts in making Press Brake machinery.** Our experience in the sector and the constant satisfaction of the demands of our clients has led us to create the new FLEX SERIES.

**FLEX SERIES makes a difference on all levels with any other product on the market**

Discover it now !!, and transform your company into a production environment based on excellence, accuracy and speed.



[www.jordi-usa.com](http://www.jordi-usa.com)

Visit us to see all our machines!

## MADE IN EUROPE Quality

QUALITY, SPEED AND PRECISION



# MADE IN EUROPE

**Whole components that are integrated in our FLEX SERIES Press Brake machines are manufactured and produced in Europe.**

The materials that make up our FLEX SERIES have been developed by qualified suppliers who are an example of innovation, experience and technology.

Together of the exhaustive quality control in the components and the cooperation with the best European suppliers, we ensure the perfect operation of our equipment and improve the services and production steps from our collaborators to gives the best to our customers.



# Discover FLEX

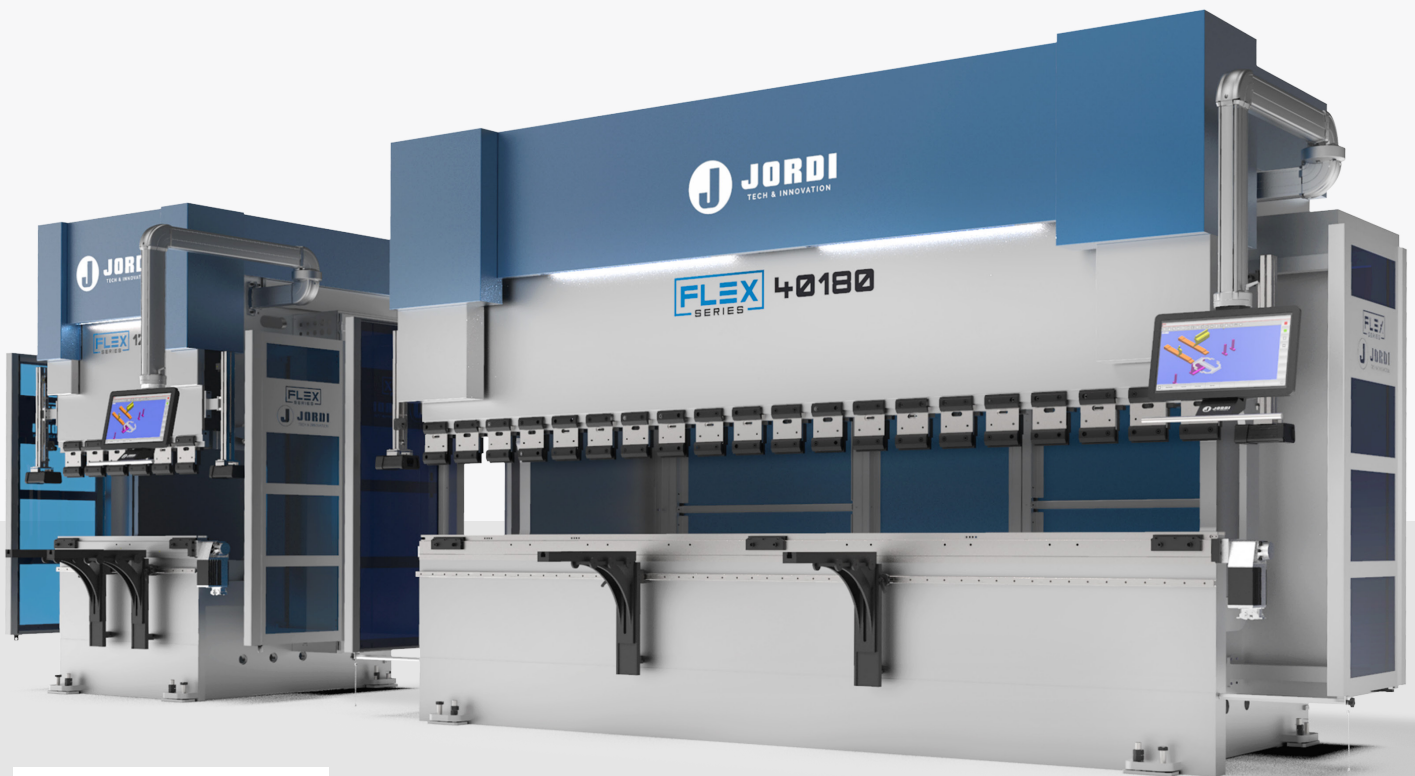
PRESS BRAKE MACHINE LINE FROM JORDI

**We are technical experts in Press Brakes machines.** Our experience in the market has led the evolution of our FLEX SERIES Press Brake machines. The equipment of the FLEX line is focussed on multiple sectors such as Industrial boiler making works, metal structures and manufacture of all kinds of industrial parts.



FLEX Series Press Brake from JORDI renovates its structure, its accessories and its design. Its structure is welded and normalized to guarantee maximum stability and versatility.

**FLEX Press brakes can be configured as stand-alone, or in tandem and integrated in a robotic cell or automated line.**



FLEX SERIES 1260 AND 40180

# MADE BY JORDI

# Technical specifications

Concept	1260	25110	30110	30140	30180	40180
Press Force	50 TN	110 TN	110 TN	140 TN	180 TN	180 TN
Bending Length	1250 mm	2500 mm	3050 mm	3450 mm	3450 mm	4100 mm
Distance Between Frames	1050 mm	2200 mm	2550 mm	3100 mm	3100 mm	3600 mm
Deep Throat	410 mm	410 mm	410 mm	410 mm	410 mm	410 mm
Stroke	265 mm	265 mm	265 mm	265 mm	265 mm	265 mm
Daylight	525 mm	525 mm	525 mm	525 mm	525 mm	525 mm
Approach Speed	180 mm/seg.	180 mm/seg.	180 mm/seg.	160 mm/seg.	120 mm/seg.	120 mm/seg.
Working Speed	9 mm/seg.	9 mm/seg.	9 mm/seg.	9 mm/seg.	9 mm/seg.	9 mm/seg.
Returning Speed	180 mm/seg.	120 mm/seg.	120 mm/seg.	100 mm/seg.	100 mm/seg.	100 mm/seg.
Main Motor	4 Kw	11 Kw	11 Kw	15 Kw	18,5 Kw	18,5 Kw
Weight	3,3 TN	8,7 TN	9 TN	10,5 TN	11,5 TN	13 TN

## Dimensions

Total Length	2100 mm	3700 mm	4200 mm	4550 mm	4550 mm	5200 mm
Total Wide	1400 mm	1650 mm	1650 mm	1700 mm	1700 mm	1700 mm
Total Height	2700 mm	2700 mm	2700 mm	2750 mm	2750 mm	2750 mm
Width of Table	105 mm	105 mm	105 mm	105 mm	105 mm	105 mm
Sheet's Support Length	520 mm	520 mm	520 mm	520 mm	520 mm	520 mm
Back Gauge Measure	650 mm	650 mm	650 mm	650 mm	650 mm	650 mm
Hydraulic Oil Capacity	60 l	100 l	100 l	150 l	250 l	250 l

## Standard Equipment

- CNC ESA 640 graphic 2D
- Automatic X and R axis
- Syncro System Y1, Y2
- Automatic Crowning System
- DEEP THROAT
- Two front sliding support arms
- Electronic Equipment
- 150 mm Euro Clampings
- Safety by Laser Guard

30230	40230	60230	40330	60330	40420	60420	60650
230 TN	230 TN	230TN	330 TN	330 TN	420 TN	420 TN	600 TN
3450 mm	4100 mm	6100 mm	4100 mm	6100 mm	4100 mm	6100 mm	6100 mm
3100 mm	3600 mm	5100 mm	3600 mm	5100 mm	3600 mm	5100 mm	5100 mm
410 mm	410 mm	410 mm	410 mm	410 mm	500 mm	500 mm	500 mm
265 mm	265 mm	265 mm	365 mm	365 mm	365 mm	365 mm	365 mm
525 mm	525mm	525 mm	630 mm	630 mm	630 mm	630 mm	650 mm
120 mm/seg.	120 mm/seg.	100 mm/seg.	100 mm/seg.	100 mm/seg.	100 mm/seg.	100 mm/seg.	100 mm/seg.
9 mm/seg.	9 mm/seg.	9 mm/seg.	9 mm/seg.	9 mm/seg.	9 mm/seg.	9 mm/seg.	9 mm/seg.
100 mm/seg.	100 mm/seg.	100 mm/seg.	100 mm/seg.	100 mm/seg.	80 mm/seg.	80 mm/seg.	80 mm/seg.
22 Kw	22 Kw	22 Kw	37 Kw	37 Kw	37 Kw	37 Kw	45 Kw
13,5 TN	15 TN	21TN	21TN	29 TN	27 TN	38 TN	55 TN
4900 mm	5210 mm	7300 mm	5350 mm	7500 mm	5700 mm	7600 mm	7700 mm
1750 mm	1750 mm	1750 mm	1900 mm	1900 mm	2200 mm	2200 mm	2700 mm
2900 mm	2900 mm	3150 mm	3300 mm	3500 mm	3500 mm	3750 mm	3800 mm
105 mm	105 mm	105 mm	150 mm	150 mm	150 mm	150 mm	150 mm
520 mm	520 mm	520 mm	520 mm	520 mm	520 mm	520 mm	520 mm
650 mm	650 mm	650 mm	650 mm	650 mm	750 mm	750 mm	750 mm
250 l	250 l	250 l	250 l	250 l	450 l	500 l	500 l

## Optional Equipment

- CE Standard with Laser Guard
- CNC ESA 675 PC touch 3D offline and bending sensors
- Auto Z1 and Z2 axes
- Delta X
- Automatic Back Gauge X1, X2, R1, R2, Z1, Z2
- Wila Hydraulic Top Tool clamping
- Wila Hydraulic bottom Tool clamping
- AP3-Ap4 Sheet followers
- Laser angle measuring system "DATA M"

# Main Features

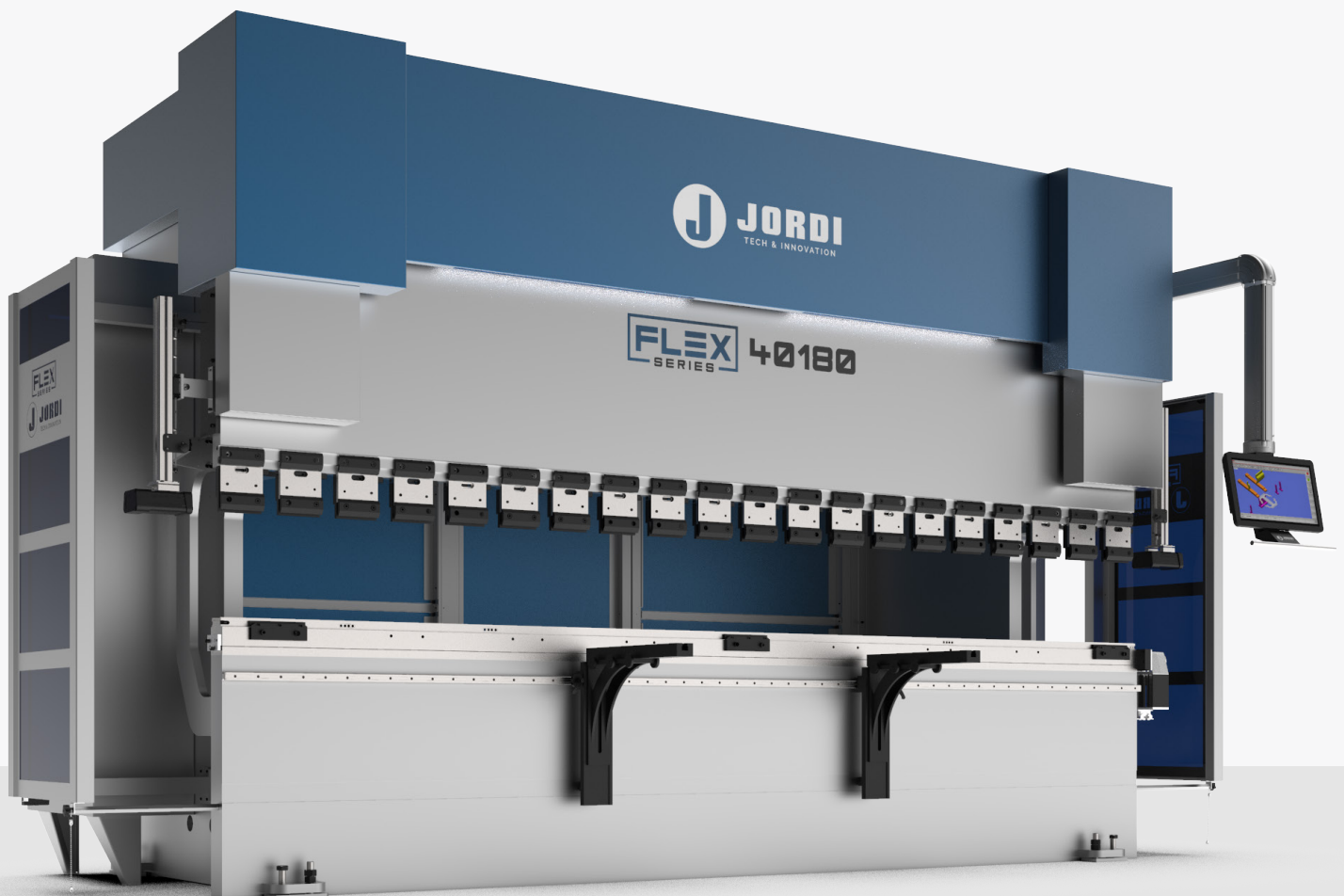
.THE BENDING IN DETAIL

— In JORDI, due to we are manufacturers, we are aware of what it means buy machinery. For that reason, we try that our designs and products can be extending in a future without been necessary to buy a new machine.

**We know that the necessities in a company can change in the future, and our obligation is to ensure that growth of our customers.**

— Following our standards of manufacturing and preserving the necessities of our customers, **we have designed our machines minimizing the maintenance and adjust works during the life of the machine.**

— Program parameters include: **Automatic X and R axes positioning, sheet thickness, tool clamping angle, and back gauge distance adjustment, etc.**



FLEX SERIES 40180



# FLEX SERIES Machine programming

COMPACT WITH HIGH PERFORMANCE



CONTROL PANEL

## ESA 640 TOUCH CNC Graphic Color 2D

15 "LCD HD Touch screen. Large ultrasharp Tft LCD color screen for a better user experience, thanks to the complete and intuitive HMI.

Automatic bending sequence calculations and material database for predictive compensation are available (as ESA options) to reduce material waste.

Correction in degrees of the final work. Available Dynamic Correction to guarantee perfect curvature alignment.

## DEEP THROAT and X&R AXES

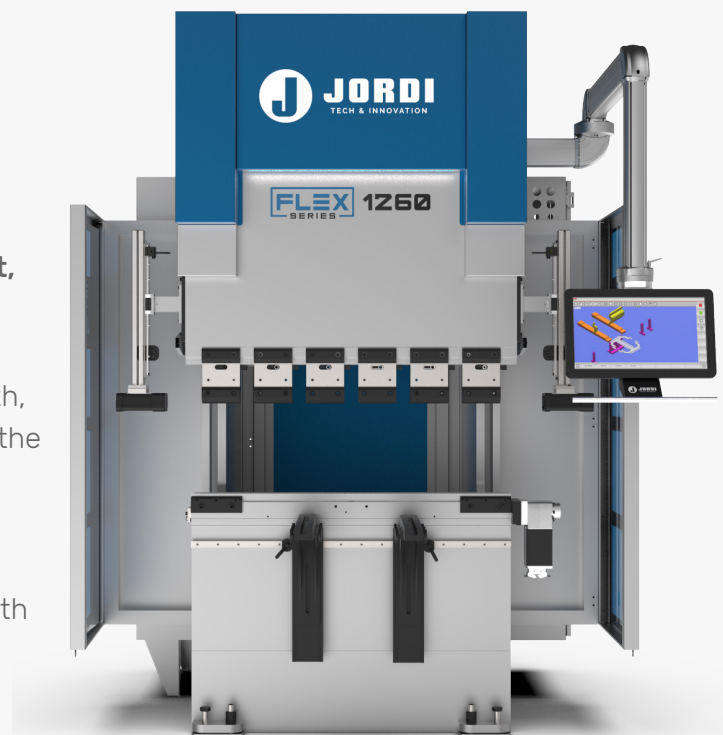
SHEET METAL BENDING

The depth of work in a bending process is an determining point that limits the possibilities of use.

**Most of the Press Brakes are limited by the distance between frames and the Deep Throat. Our FLEX series can use his total length and dept, without been limited the throat of the machine.**

Our LUX series provides a large useful machine width, that allows bending sheets up to 410mm (16 ") over the whole length of the equipment.

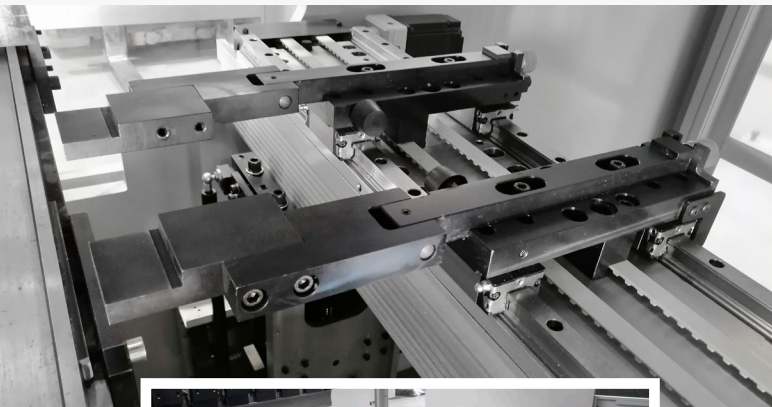
The configuration of our standard Press Brakes machines includes the automatic X and R axes (depth and height) by CNC.



FLEX SERIES 1260

## Essential details

FLEX SERIES SPECIAL FEATURES (OPTIONAL)



*6-axis controlled movements "X1, X2, R1, R2, Z1, Z2" asymmetric Back gauge with synchronized servomotor.*

## Automatic Back Gauge

FLEX SERIES are supplied with the Z1-Z2 automatic axes, the gauge can be moved transversely to simplify the positioning of sheets with different lengths or when working with multiple stations.

Brushless motors guarantee extremely fast movements and positioning accuracy.

## Fast change of tool clamping



## Bend Assistance

System to help the sheet bending to be processed with automatic height adjustment.

Provides useful support to the operator in tasks that require angles up to 30°.

AP3-AP4 sheet followers offers great help especially when bending heavy or large parts.

## Benefit and Warranties

ADVANTAGES MADE IN JORDI



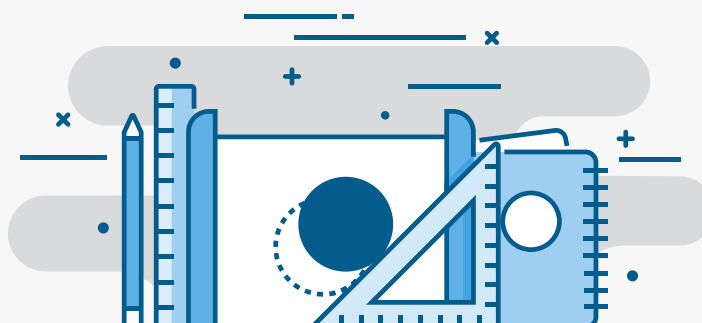
### AFTER SALES SERVICE

24 months warranty on all machines. Professional and qualified technical assistance service.



### SPEED AND PRECISION

By optimizing speed and precision in our processes, we reduce equipment installation times and significantly lower costs for our customers.



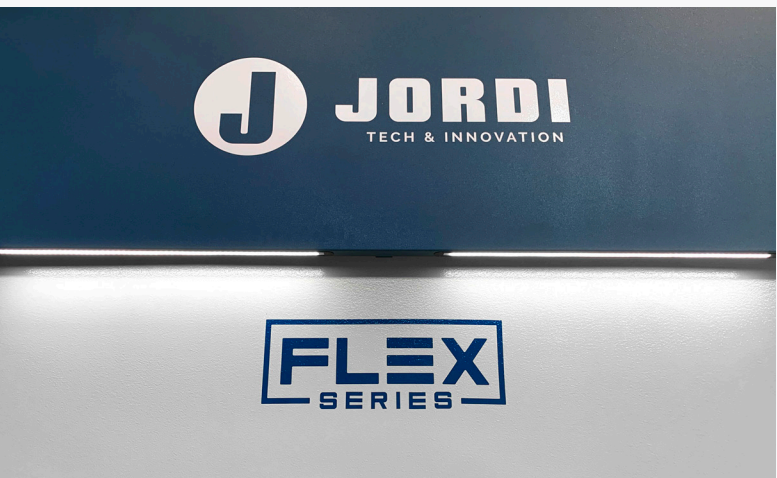
### PERSONALIZATION

See the customization options, personalized image of your company in the new FLEX Series.



# Gallery of Pictures

PHOTOGRAPHS OF THE MACHINES



## Notes

DON'T FORGET ANYTHING TO WRITE



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**MADE IN  
EUROPE**

