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# Innovative Technologies.



**ECOBEND SERIES**  
CNC Hydraulic Press Brake

**ERMAKSAN**  
SHEET METAL WORKING MACHINERY

# **ECO/BEND SERIES**

## *CNC Hydraulic Press Brake*

CNC Hydraulic Eco-Bend offers wide variety of options on top of its most preferred standard features. Eco-Bend Press Brake is user friendly and also offers its owners cost friendly effective solutions.

CYBELEC DNC600S controller comes standard with all Eco-Bend Press Brakes where 2D screen and high number of programming capacity are two major features most users enjoy.



**Your economical  
solution;**

Designed and manufactured  
based on your needs.

# Your economical solution



Rigit body.  
Machined with high accuracy,  
dynamic and static stiffness provided.

Front laser safe.

# Under your control...

## General Features

### Ease of Use

- High resolution 9,4" 2D graphic display.
- Easy set up and use that meets operator's needs.
- Rapid data input with the ergonomic keyboard with large keys.
- 2D graphic representation of the part.

### User Friendly

- Programming all the parts in a single page.
- Easy installation and training.
- Contextual help and warning pop-ups.
- 99 repeatable bending.
- Library of 50 upper and lower tools.
- Accurate ram positioning by closed loop control of speed, pressure and parallelism.
- Back up facility of the programs, tool library and machine parameters with the standard Cybelec backup software.
- Communication with the machine by full-blown graphical programming at the office environment with the standard PC 1200 2D software (offline software).

### First Part, Good Part

- Easy adjustment with precision by simple access to the machine parameters.
- Consecutive program operating feature for high numbers of bend sequence.
- Inputting the angle and bend corrections directly on the controller.

### Powerful

- All basic functions.
- CE safety management.
- Easy communication.
- More than 20 language options.
- Robust and ergonomic design.





It is much more than just bending;

Eco-Bend has been designed and produced by ERMAKSAN's experienced engineers and reflects innovative technologies.



Foot pedal.  
Double foot pedal allows you to bend your work automatically.

Manual crowning system.  
Helps you to get desired bending angle all along the work piece.

Movable front support arms.



Rear Light Barrier.

Single axis back gauge (X)

- **Low initial investment.**
- **High efficiency.**
- **Compact design.**
- **2D screen  
CYBELEC DNC600S**

Maximum precision  
with economical  
effectiveness;

ERMAKSAN's world wide  
recognized machines  
designed by its experien-  
ced engineers, manufactu-  
red with high technological  
standarts and always offers  
its customers wide variety  
of products.



CYBELEC DNC600S.  
Easy to use with its double  
controlling features.

Front support arms



# General features

- Machined with high accuracy, dynamic and static stiffness provided.
- Cromed and honed hydraulic cylinders keep its precision even in high tonnages.
- Hydraulic synchronized valve technology with its repeatable bending accuracy helps you get same bending quality on different side of work piece.
- Bottom tool holding unit allows you to use partial bottom tools.
- Upper beam positioning is made by linear scales with 500 times in a second and with 0,0025 mm precision rate.
- HOERBIGER hydraulic system.
- Automatic calibration feature helps axis reference itself at the beginning.
- Perfect bending results are achieved repeatedly by synchronized valf technology on cylinders.
- SIEMENS electric systems.
- Single axis back gauge (X=500) system moves fast on a ballscrew shaft.
- 4V Bottom die allows you to make variety of bendings on different thicknesses.
- Switched side doors for your protection.
- Easy to use and movable control unit allows operator to choose his working position.



Promecam quick release clamping system.  
Easily can be operated by hand.



Hydraulic Group



HEIDENHAIN and GIVI MISURE Linear Encoders

# Equipments



Fiessler Akas LCIM 2000 Protection System (O)



DSP Laser Protection (O)

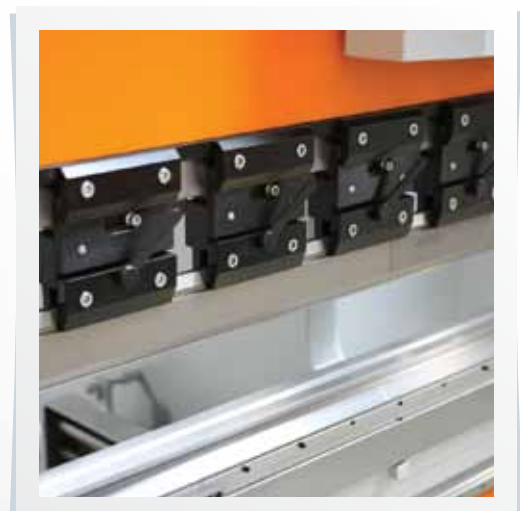


SICK Light Barrier (O)



Laser Safe (O)

Laser safe is produced specifically for press brakes that is the leader among safety systems. Laser safe keeps the operator's safety at the top level.



Promecam Top Tool Clamping System (S)

Top tool clamping system which provides quick tool change.

# Equipments



**Multi-V Bottom Tool (O)**  
Multi-V or U type adjustable tools.



**CNC Motorised Crowning System (O)**  
CNC crowning system that communicates with the CNC controller, performs crowning automatically and enables the part to be at even bending angle at any given point.



**Manual Crowning System (O)**  
Manual crowning system that enables the part to be at even bending angle at any given point.



**Backgauge Fingers (O)**  
Specifically designed folding backgauge fingers.



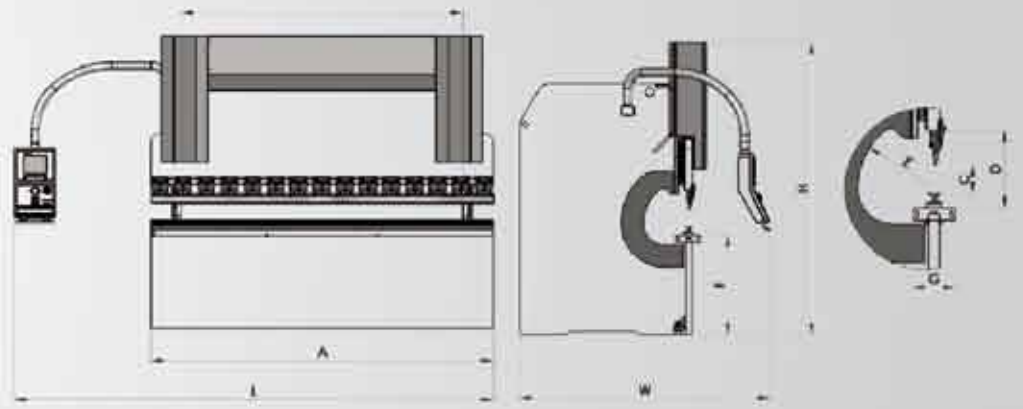
**Sliding Front Support Arms (O)**

# ECO BEND SERIES

CNC Hydraulic Press Brake

## Technical Features

TYPE	BENDING LENGTH	BENDING POWER	DISTANCE BETWEEN COLUMNS	Y RAPID SPEED	Y WORKING SPEED	Y RETURN SPEED	CROWNING	TRAVEL IN X AXIS	SPEED OF X AXIS	BACKGAUGE FINGER BLOCKS
	A		B						Standard AC motor	
	mm	Ton	mm	mm/sec	mm/sec	mm/sec	-	mm	mm/sec	ADET
ECO BEND 2600 - 80	2600	80	1600	90	7,5	60	-	500	230	2
ECO BEND 2600 - 120	2600	120	1600	90	7,5	65	-	500	230	2
ECO BEND 3100 - 80	3100	80	2050	90	7,5	60	-	500	230	2
ECO BEND 3100 - 120	3100	120	2050	90	7,5	65	-	500	230	2
ECO BEND 3100 - 160	3100	160	2050	90	6,1	60	-	500	230	2
ECO BEND 3100 - 200	3100	200	2050	100	7	75	-	500	230	2
ECO BEND 3600 - 120	3600	160	2600	90	7,5	65	-	500	230	2
ECO BEND 3600 - 160	3600	160	2600	90	6,1	60	-	500	230	2
ECO BEND 3600 - 200	3600	200	2600	100	7	75	-	500	230	2
ECO BEND 4100 - 120	4100	120	3100	90	7,5	65	-	500	230	2
ECO BEND 4100 - 160	4100	160	3100	90	6,1	60	-	500	230	2
ECO BEND 4100 - 200	4100	200	3100	100	7	75	-	500	230	2



NUMBER OF SHEET SUPPORT ARMS	OIL CAPACITY	MOTOR POWER	STROKE	DAYLIGHT	THROAT DEPTH	TABLE HEIGHT	TABLE WIDTH	LENGTH	HEIGHT	WIDTH	WEIGHT
ADET	lt.	kW	C	D	E	F	G	L	H	W	kg.
2	150	5,5	160	380	250	800	90	3750	2300	1950	4557
2	150	7,5	160	385	250	800	90	3750	2325	1900	5229
2	150	5,5	160	380	250	800	90	4250	2300	1950	4893
2	150	7,5	160	385	250	800	90	4250	2325	1900	5550
2	200	7,5	160	395	250	800	90	4250	2500	1900	6500
2	200	11	180	415	250	800	200	4450	2650	2050	8050
2	150	7,5	160	385	250	800	90	4750	2325	1900	6536
2	200	7,5	160	395	250	800	90	4750	2500	1900	7171
2	200	11	180	415	250	800	200	4950	2650	2050	8755
2	150	7,5	160	385	250	800	90	5050	2325	1900	7425
2	200	7,5	160	395	250	800	90	5050	2500	1900	8030
2	200	11	180	415	250	800	200	5150	2650	2050	9816

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