ECO-BEND
CNC Hydraulic Press Brake.
Ermaksan, after half a century, is moving confidently into the future

Ermaksan is proudly leaving 48 years of bright history behind and becoming, with its R & D and technological investments, one of the World leaders in its field with an innovative perspective for the 21st Century.

Ermaksan is a pioneer in the industry with strong R & D, an 80,000m² modern production facility, a highly qualified team of 700 staff, manufacturing high quality, high-tech machinery for the sheet metal processing sector.

Our factory is equipped with the latest technology and precision CNC machines, under the supervision of expert engineers, it is able to manufacture 3,000 units of sheet metal processing machines annually. Ermaksan are one of the Worlds’ leading companies in the industry and Ermaksan machines are represented by exclusive dealers with strong technical support in 70 countries.

Ermaksan manufactures and designs high technology, value added, environmentally friendly and energy efficient machines by continually following new trends and customer expectations, using resources efficiently and effectively moving forward confidently towards sustainable growth.

High Technology CNC Machines manufactured by Ermaksan:
- New Generation Fiber Laser
- CO₂ Laser
- Press Brake
- Servo Motorized Hybrid Press Brake
- Plasma Cutting Machine
- Punch Press
- Shear Cutting
- Iron Worker
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.
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.

- 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 experienced engineers, manufactured with high technical standards and always offers its customers wide variety of products.

General Features

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

Display product is featured with standard configuration.
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.

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

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.

Promecam Top Tool Clamping System (S)  
Top tool clamping system which provides quick tool change.

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.

Sliding Front Support Arms (O)
## Technical Features

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<tr>
<th>TYPE</th>
<th>BENDING LENGTH</th>
<th>BENDING POWER</th>
<th>DISTANCE BETWEEN COLUMNS</th>
<th>Y RAPID SPEED</th>
<th>Y WORKING SPEED</th>
<th>Y RETURN SPEED</th>
<th>CROWNING</th>
<th>TRAVEL IN X AXIS</th>
<th>SPEED OF X AXIS</th>
<th>BACKGAUGE FINGER BLOCKS</th>
<th>NUMBER OF SHEET SUPPORT ARMS</th>
<th>OIL CAPACITY</th>
<th>MOTOR POWER</th>
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