

PRESS BRAKES



**ELECTRIC (SERVO)
ES SERIES**



**HYDRAULIC
PRB-E SERIES**

- **MADE IN EUROPE**
- **HIGH QUALITY**
- **HIGH SPEED**
- **HIGH ACCURACY**



ES SERİSİ

Full Electric

Servo Press Brakes

- ✓ Force transmission with ball-screw
- ✓ No hydraulic oil requirement
- ✓ Full working length backgauge
- ✓ Low maintenance
- ✓ New technology
- ✓ Fast and easy set-up
- ✓ 60% energy savings



Standard Configuration

- 4 axis (Y1, Y2, X, R)
- Servo motor-ball screw drive system
- CNC Cybele CybTouch12 screen control unit
- Servo motor back gauge & ball screw system (X-R)
- CNC crowning system
- 60mm die holder
- European top clamping system
- Sliding front arms with brush
- Special cover design
- World standard electric equipments

Optional Items

MDS Laser Kit (for Top Beam)
Manual MCS+DSP AP Laser Kit (PLC included)
Motorised MCS+DSP AP Laser Kit (PLC included)
Control unit - Delem DA-58T , Delem DA-66T , Delem DA-69T
Z1-2 axis
Z1-2 + Z5 axis
Quick release clamping
Ergonomic Operator Stand
Ergonomic Operator Chair
Wila PRO and PREMIUM Top and Bottom clamping systems
Manual Central lubrication system
Motorized Central lubrication system
Laser Bending line
CE confirmation with light curtain
Additional back gauge finger and sliding front support arms
Special packing for overseas shipments

Technical Specs.

ES RANGE		ES 510	ES 1220	ES 1540
Force Capacity	ton	10	20	40
Max. Working Length	mm	500	1250	1550
Max. Stroke	mm	180	180	180
Max. Open High (without tools)	mm	360	360	360
Throat Depth	mm	250	250	250
Approach Speed	mm/s	185	185	185
Working Speed	mm/s	10	10	10
Return Speed	mm/s	180	180	180
X Axis Stroke	mm	300	400	400
R Axis Stroke	mm	180	180	180
Motor Power	Kw	5	2x5	2x7,5
Length	mm	1200	2200	2700
Width	mm	1220	1350	1450
Hight	mm	2450	2500	2550
Weight	kg	950	1400	2550



PRB-E SERİSİ

Hydraulic Press Brakes

*Hardworking, productive and perfect bendings
Excellent sensitivity and deep throat bendings*

- ✓ *Solid main body*
- ✓ *High efficiency*
- ✓ *Easy to Use*
- ✓ *Hi-level supplies*

STANDART CONFIGURATIONS

- ✓ 3 axis (Y1, Y2, X)
- ✓ CNC CybTouch8 screen control unit
- ✓ Motorized back gauge & ball screw system
- ✓ Manual crowning system
- ✓ 60mm (2-23/64") die holder
- ✓ European top clamping system
- ✓ Sliding front arms with brush
- ✓ Special cover design
- ✓ World standard electric equipments

Options:

MDS Laser Kit (for Top Beam)

Manual MCS+DSP AP Laser Kit (PLC included)

Control unit - CybTouch12 , CybTouch15 , ModEva PAC Delem

DA-52S , Delem DA-58T , Delem DA-66T

R axis

Z1-2 axis

Quick release clamping

Wila PRO and PREMIUM Top and Bottom clamping systems

Manual Central lubrication system

Motorized Central lubrication system

Laser Bending line

CE confirmation with light curtain (back side)

Additional back gauge finger and sliding front support arms Special packing for overseas shipments

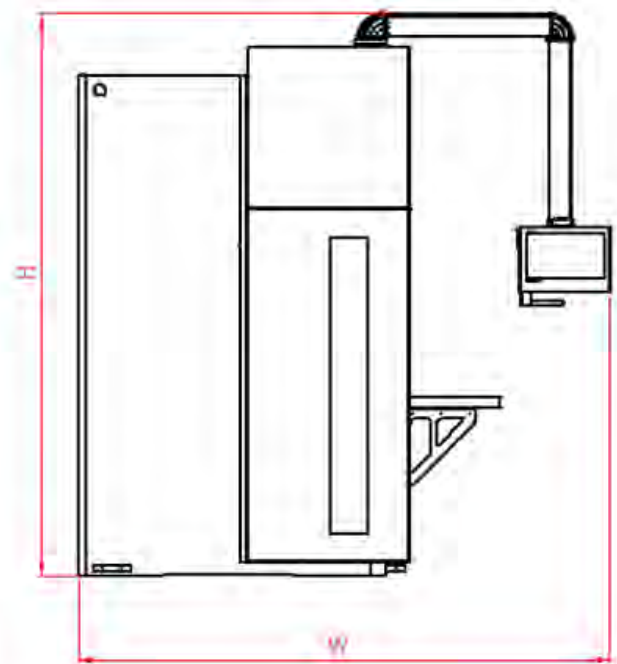
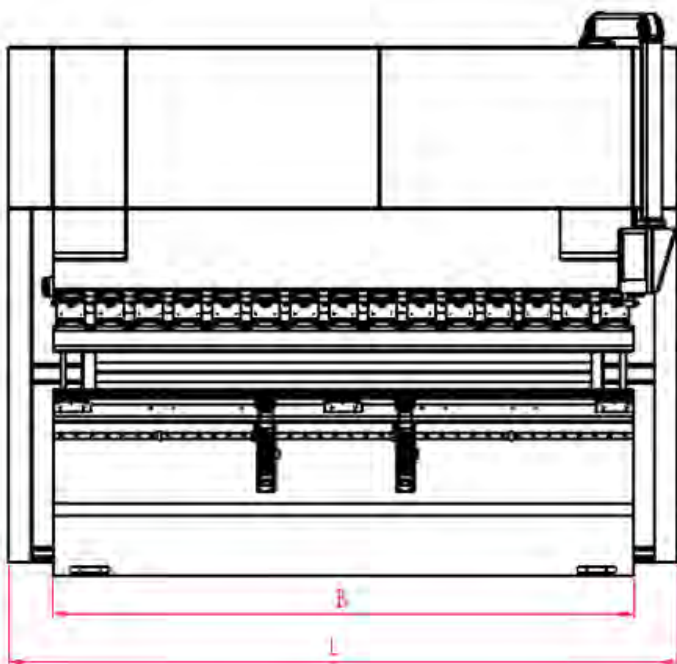


Technical Specs

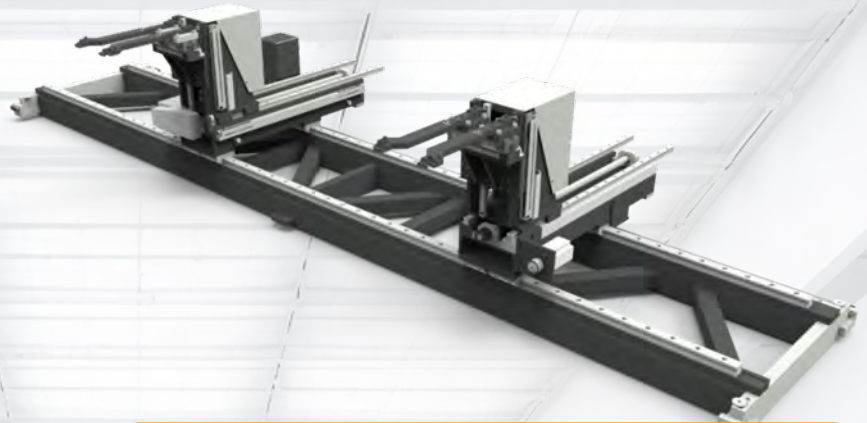
PRB-X Range		X 1240	X 1560	X 2060
Force Capacity	ton	40	60	60
Max. Working Length	mm	1250	1550	2100
Max. Stroke	mm	220	220	220
Max. Open High (without tools)	mm	440	440	440
Throat Depth	mm	250	250	250
Approach Speed	mm/s	165	165	165
Working Speed	mm/s	10	10	10
Return Speed	mm/s	170	170	170
X Axis Stroke	mm	400	400	400
R Axis Stroke	mm	200	200	200
Motor Power	Kw	5	7,5	7,5
Length	mm	1900	2200	2750
Width	mm	1350	1350	1400
Hight	mm	2550	2550	2550
Weight	kg	2650	2650	2650

Technical Specs

PRB-E Range		E 20100	E 25100	E 30100	E 30135	E 30175	E 30220	E 40175	E 40220
Force Capacity	ton	100	100	100	135	175	220	175	220
Max. Working Length	mm	2100	2600	3050	3050	3050	3050	4050	4050
Max. Stroke	mm	220	220	220	220	220	220	220	220
Max. Open High (without tools)	mm	440	440	440	440	440	440	440	440
Throat Depth	mm	300	300	300	300	300	300	300	300
Approach Speed	mm/s	150	150	150	150	150	150	150	150
Working Speed	mm/s	10	10	10	10	10	10	10	10
Return Speed	mm/s	150	150	150	150	150	150	150	150
X Axis Stroke	mm	650	650	650	650	650	650	650	650
R Axis Stroke	mm	250	250	250	250	250	250	250	250
Motor Power	Kw	11	11	11	15	18,5	22	18,5	22
Length	mm	2750	3250	4150	4150	4150	4150	4150	4150
Width	mm	1400	1400	1400	1400	1400	1500	1500	1500
Hight	mm	2600	2600	2650	2650	2650	2650	2650	2650
Weight	kg	4250	4950	5900	7050	7500	8500	8500	8500



Back Gauges



6 axis X.650 1-2 R1-2 Z1-2



4 axis X.400 X-R



4 axis X.650 X-R-Z1-Z2

Control Units

Cybele ModEvaPac

Graphic 2D display and simulation capability. ◆

Collision detection according to criteria defined by the operator ◆

- Minimum length against the operator ◆

- Minimum return ◆

- Maximum accuracy between two defined faces. ◆

- Minimum operator manipulation ◆

Angle protractor interfacing ◆

Tool locator. ◆

Tandem operation ◆



ModEva Pac



Cybele CybTouch12

4 axes control (Y1-Y2-X-R). ◆

TouchProfile 2D graphic part creation with manual sequencing. ◆

Bend allowance calculation. ◆

Pressure – crowning calculation. ◆

Each part or bend can have its specific tools. ◆

Punch depth calculation. ◆

Angle and back gauge correction. ◆

Delivered with PC-ModEva offline software ◆



CybTouch 12 PS

2D graphical touch screen programming
15" high resolution colour TFT
Bend sequence calculation
Crowning control
Servo and frequency inverter control
Advanced Y-axis control algorithms USB
Peripheral interfacing Profile-58TL offline software

DA-58



DA-66T

2D graphical touch screen programming mode
3D visualisation in simulation and production
17" high resolution colour TFT
Full Windows application suite
Delem Modusys compatibility (module scalability and adaptivity)
USB, peripheral interfacing
Open system architecture
Sensor bending & correction interface
Profile-TL offline software





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