

GREEN PRESS FX SERVO

SERVO-MOTOR
ELECTRICAL PRESS BRAKES

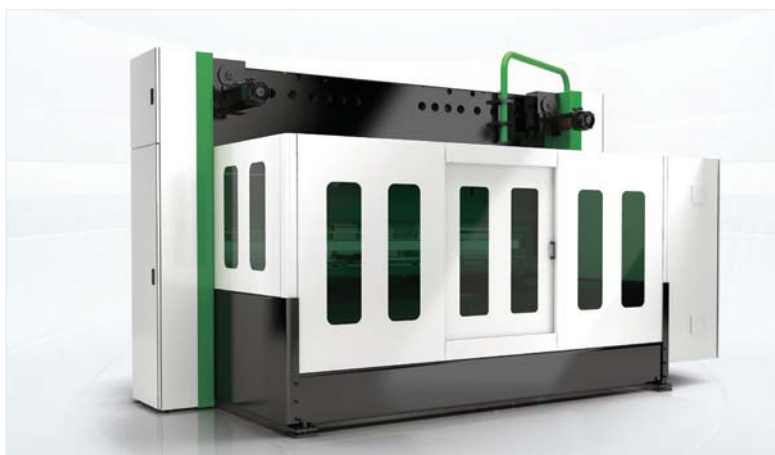
Environmentalist Technology...

Thanks to its quiet operation and low energy consumption, the Green Press FX Servo press brake which is one of our green press group machines have about 69% less energy consumption than hydraulic press brakes.

No hydraulic oil is required for the operation of the machine. Since there aren't any hydraulic system components such as hydraulic filters, sealings, etc., maintenance costs are at minimum level. In addition, no problem is encountered in terms of contamination of the working area caused by oil leakage.

With the precise linear bearing and the sliding front support arms that can move right and left on the rail, the sheet can be easily controlled by the operator from the front. Also, the length of the parts can be measured by means of the ruler mounted on the front support arms. The sheet can be fixed from the front side with the aid of the flip stop which is mounted inside the T slot.

- ▶ 98% energy saving in standby
- ▶ Quick and easy tool replacement
- ▶ Precise bending
- ▶ Short-term depreciation
- ▶ User friendly touch screen
- ▶ Electro-mechanical press brake



QUIET OPERATION

The beam downward movement is performed with the aid of belts, and its return is performed with the springs. Thus, the machine will run quietly and will not create any noise pollution that could disturb the environment.

LOW MAINTENANCE COST

No hydraulic system and cylinder were used on the machine. Since it is a completely mechanical machine, you can use it with less maintenance cost.



ENVIRONMENT FRIENDLY

It is an environment friendly machine that stands out with its high power and low energy consumption due to the use of high energy efficient servo motor in the machine in which no industrial oil is used.

LOW ENERGY CONSUMPTION

High energy efficient servo motor is used. The motors will not work while the upper beam is not moving. That provides 69% energy savings.

UNLIMITED FULL LENGTH BENDING

Unlike the known press brakes, there is no throat in this machine. Full length bendings are done between the feet. There are no restrictions compared to the hydraulic press brakes.

RIGID STRUCTURE

Dynamically and statically strong body processed with high precision.

GREEN PRESS FX SERVO

GENERAL SPECIFICATIONS

STANDARD EQUIPMENT

- Standard machine sizes; 1600, 2100, 2600, 3100 mm
- Standard machine powers; 40, 65, 80, 100 tons
- Machine stroke 300mm
- Daylight 590mm
- No need for crowning
- Standard 4 axis backgauge. X: 800 mm, R: 250 mm, Z1, Z2
- Control units; ER TOUCH MASTER, ER99, DELEM 66T
- HEIDENHAIN linear scales
- Electrical panel designed and manufactured from SIEMENS electrical and automation products in accordance with the CE regulations
- ERMAKSAN Promecam top tool holder
- ROLLERI PS.135-85-R08 top tool
- ROLLERI M460-R bottom tool
- ERMAKSAN bottom tool holder
- WILA OB-I-MC-TY/UPB mechanical bottom tool clamping system
- Sliding front support arms with T slot and mm/inch scale
- LEUZE MLC 100 front safety system
- Rear sliding cover + switch safety system
- Side cover + switch safety system
- LED-light enclosures

OPTIONAL EQUIPMENT

- Optional daylight
- Single axis, 2 axis, 6 axis backgauge options
- WILA NSCL type top tool holder options
- WILA NSCR type bottom tool holder options
- Motorized crowning
- LED-bar bending guide system
- AKAS Laser front protection
- DSP Laser front protection
- AP3 + AP4 sheet support system
- Rear sheet support system
- Optional control panel arm
- Control units; ER TOUCH PROFESSIONAL, Delem 69T, Cybelec Modeva 19T



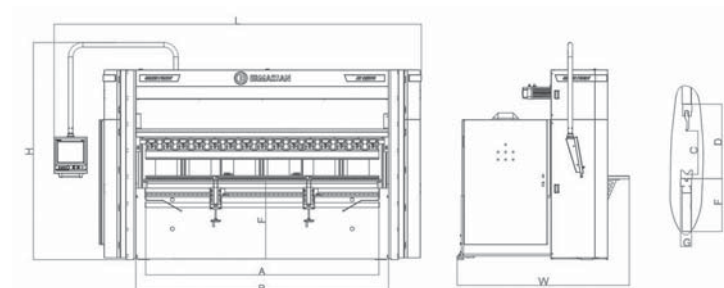
■ Top beam is moved with high efficient synchronous ac servo motors (S)



■ 4 axes (X, R, Z1, Z2) Backgauge with servo motor
Backgauge with positioning accuracy of 0.05 mm according to the desired geometry (S)



■ Maximize your safety with the rear sliding cover and switch. Check inside the machine by means of the windows (S)



| TECHNICAL SPECIFICATIONS | | GP FX Servo 1003 | GP FX Servo 8026 | GP FX Servo 6521 | GP FX Servo 4016 |
|---|---------------|------------------|------------------|------------------|------------------|
| BENDING LENGTH (A) | mm (feet) | 3100 (10) | 2600 (8,5) | 2100 (6,8) | 1600 (5,2) |
| BENDING POWER | Ton (Us Tons) | 100 (110) | 80 (88) | 65 (72) | 40 (44) |
| STANDARD V-DIE OPENING (V) | mm (inc) | 50 (1,97) | 50 (1,97) | 50 (1,97) | 50 (1,97) |
| SHEET THICKNESS (Rm=42kgf/mm ²) (T) | mm (inc) | 5 (0,19) | 5 (0,19) | 5 (0,19) | 4,5 (0,18) |
| DISTANCE BETWEEN COLUMNS (B) | mm (inc) | 3360 (132,3) | 2860 (112,6) | 2360 (92,9) | 1860 (73,2) |
| Y AXIS RAPID SPEED | mm/s (inc/s) | 75 (2,95) | 90 (3,54) | 120 (4,72) | 180 (7,09) |
| Y AXIS WORKING SPEED | mm/s (inc/s) | 10 (0,39) | 10 (0,39) | 10 (0,39) | 10 (0,39) |
| Y AXIS RETURN SPEED | mm/s (inc/s) | 75 (2,95) | 90 (3,54) | 120 (4,72) | 180 (7,09) |
| TRAVEL IN X AXIS | mm (inc) | 800 (31,50) | 800 (31,50) | 800 (31,50) | 800 (31,50) |
| SPEED OF X AXIS | mm/s (inc/s) | 500 (19,69) | 500 (19,69) | 500 (19,69) | 500 (19,69) |
| TRAVEL IN R AXIS | mm (inc) | 250 (9,84) | 250 (9,84) | 250 (9,84) | 250 (9,84) |
| SPEED OF R AXIS | mm/s (inc/s) | 350 (13,78) | 350 (13,78) | 350 (13,78) | 350 (13,78) |
| SPEED OF Z1,Z2 AXIS | mm/s (inc/s) | 1000 (39,37) | 1000 (39,37) | 1000 (39,37) | 1000 (39,37) |
| BACK GAUGE FINGER BLOCKS | Amount | 2 | 2 | 2 | 2 |
| NUMBER OF SHEET SUPPORT (Sliding front arms) | Amount | 2 | 2 | 2 | 2 |
| MOTOR POWER | kW (Hp) | 2x5,5 (2x7,37) | 2x5,5 (2x7,37) | 2x5,5 (2x7,37) | 2x5,5 (2x7,37) |
| STROKE (C) | mm (inc) | 300 (11,81) | 300 (11,81) | 300 (11,81) | 300 (11,81) |
| DAYLIGHT (D) | mm (inc) | 590 (23,23) | 590 (23,23) | 590 (23,23) | 590 (23,23) |
| TABLE HEIGHT (F) | mm (inc) | 1050 (41,34) | 1050 (41,34) | 1050 (41,34) | 1050 (41,34) |
| TABLE WIDTH (G) | mm (inc) | 60 (2,36) | 60 (2,36) | 60 (2,36) | 60 (2,36) |
| LENGTH (L) | mm (inc) | 4870 (191,7) | 4370 (172,0) | 3870 (152,4) | 3370 (132,7) |
| HEIGHT (H) | mm (inc) | 2890 (113,8) | 2890 (113,8) | 2890 (113,8) | 2890 (113,8) |
| WIDTH (W) | mm (inc) | 2290 (90,2) | 2290 (90,2) | 2290 (90,2) | 2290 (90,2) |
| WEIGHT | kg. (lbr) | 7500 (16538) | 6500 (14333) | 5650 (12458) | 4850 (10694) |

* Bending speed can not exceed 10mm/sec (0,39inc/sec) according to the CE regulations.