ELEKTRA E2

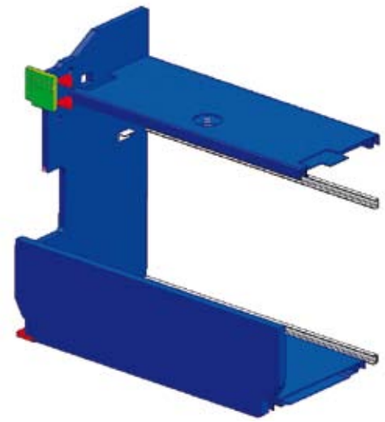
ELEKTRA E2: electric press-brakes.
Excellent dynamics, reduced consumption,
maximum respect for the environment.
Reliable, accurate, efficient.
And, of course, user-friendly.

salvagnini

Perfect synchrony: the source of quality.

Press with a closed structure: unique stability and unbeatable accuracy

The structure is unique of its kind in that both the top and the bottom of the press are completely closed. This makes it extremely stable and ensures that the position of the references remains constant throughout the entire bending phase, generating a remarkably high degree of precision. It also minimizes deflection during processing, enhancing accuracy and eliminating the need for foundation or anchor bolts.



Fully-guided beam for perfect alignment

All the upper beams are guided by five pairs of bearings to ensure precise alignment and absolute rigidity. This keeps the X and Y axes perfectly perpendicular during bending and prevents radial forces from being discharged onto the cylinder.

CNC: innovation means freedom of choice

ELEKTRA E2 press-brakes can be equipped with different types of numerical controller, all offering a simple and user-friendly graphic interface, capable of commanding from 4 to 12 axes. They can also be supplied with angle control devices and "expert databases" if required. Like all Salvagnini products, the ELEKTRA E2 can be connected in line or integrated with other Salvagnini systems, according to factory logistic requirements.

Our assistance is based on our experience

We have been producing ELEKTRA E2 electric press-brakes for more than 11 years and can also act as a partner, helping to analyze and define solutions - in terms of machinery, equipment and tooling - for both standard and special applications. The ELEKTRA E2 press-brake can, for example, be combined with a high-dynamic robot in order to create an extremely efficient robotic cell. The result is automated production with cycle times shorter than, or comparable to, those by an operator, plus consistent quality and even greater reliability.

Efficient, accurate and safe.

Enhanced productivity and maximum respect for the environment

- **Reduced cycle time:** the use of electric servo-drives allows the ELEKTRA E2 to eliminate idle times, reducing the bending time by up to 25%.
- **Short fast strokes:** the ELEKTRA E2 offers high dynamics on short strokes, minimizing risk as well as saving a considerable amount of time.
- **Lower consumption:** the ELEKTRA E2 only utilizes power when required, allowing it to save between 70% and 90% of energy (depending on how it is used).

Energy consumption in kW	Electrical	Hydraulic	Difference %
During bending	1.5	6.3	-76
When stationary	0.1	5.5	-98

High accuracy through perfect positioning

The electric servo-drives on the ELEKTRA E2 ensure that the Y axes (upper beam) are positioned within ±0.002 mm accuracy, ensuring even greater quality for the bent part.

Reduced maintenance and full respect for the environment

The ELEKTRA E2 greatly reduces both maintenance and waste disposal operations, proving once more that the most innovative technology is on the side of the environment.

Customization means optimization

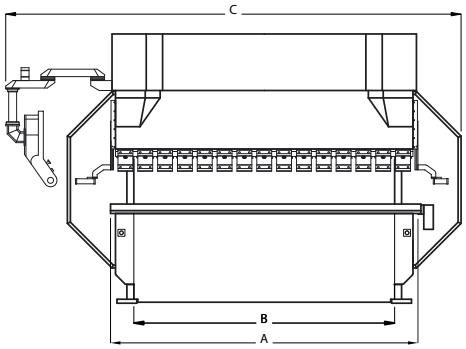
ELEKTRA E2 press-brakes offer an extremely high degree of flexibility in terms of tooling (Promecam, Wila, etc.), accessories, intermediate punch clamps, front supports, accompanying devices, safety systems and workplace ergonomics.
ELEKTRA E2 can be also supplied with a variety of software solutions for network connection to PC's and CAD-CAM applications.

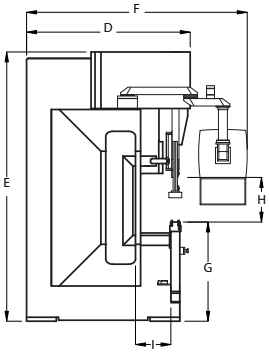
Back gauges are part of our history

With thirty years' experience in the manufacture of back gauges, we can offer both standard and personalized solutions, with back gauges accommodating from 2 to 12 axes.

LSAC and Expert Database: controlled accuracy and repeatability

The LSAC option monitors the bend angle to ensure consistently accurate parts. The angle control device uses laser technology and can be integrated with the Expert Database option which allows each system to learn and correct the bend parameters according to the material and tools being used.





Technical Data

Model	20/1050 (NEW)	40/1250	40/2000	40/2500	80/2500	80/3000
Max. force (tons)	20	40	40	40	80	80
Max. bending length **A** (mm)	1050	1250	2100	2500	2500	3150
Distance between uprights **B** (mm)	770	1020	1660	2160	2140	2640
Gap depth **I** (mm)	250	400	400	400	400	400
Maximum stroke (mm)	100	200	200	200	200	200
Open height **H** (mm)	300	450	450	450	450	450
Max. speed (mm/s)	160	160	160	160	160	160
Bending speed (mm/s)*	0 to 30	0 to 30	0 to 30	0 to 30	0 to 30	0 to 30
Length **C** (mm)	2400	2800	3800	4300	4300	4800
Width **D** (mm)	1400	1550	1600	1600	1700	1700
Height **E** (mm)	2405	2650	2850	2850	3050	3050
Width **F** (mm)	1950	2300	2500	2500	2500	2500
Approximate weight (kg)	2500	3300	5200	5800	9100	10000
Height **G** (mm)	1000	940	940	940	900	900

* Bending speed regulated by current rules.

SALVAGNINI reserves the right to modify this data without prior notice.

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