

ELETTTRICA

Autentica italiana

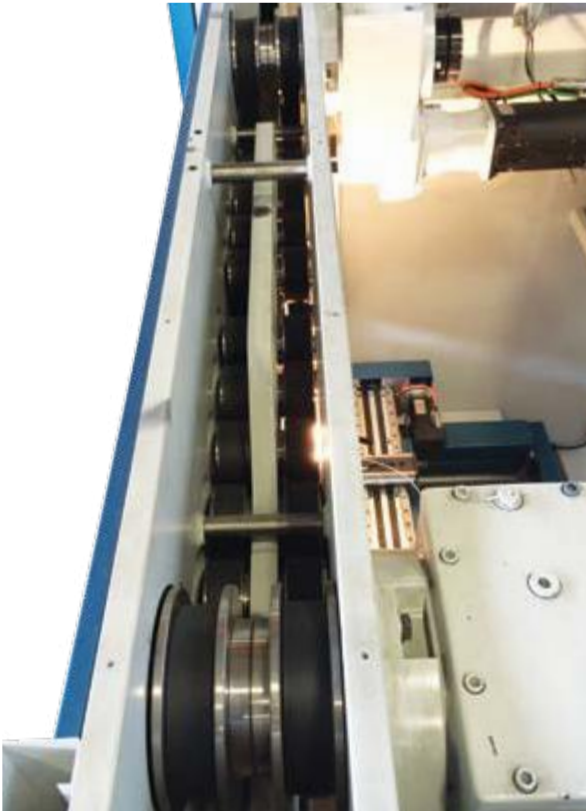
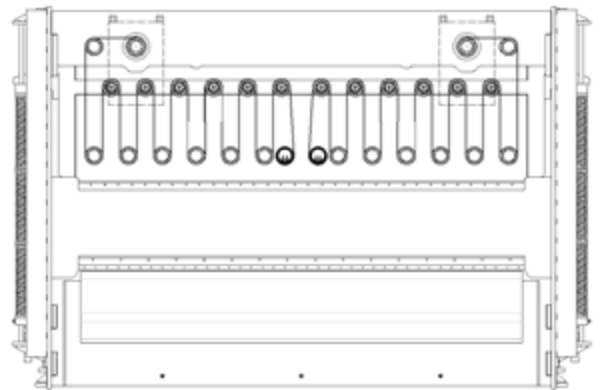


🇬🇧 COMPANY

g.a.d.e. has been manufacturing sheet metal working machines for more than thirty years. The continuous improvement in product quality and an efficient and capillary customer service has led g.a.d.e. to become one of the leading manufacturers in the field.



PE 2575



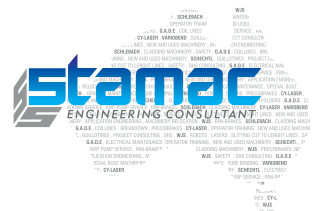
🇬🇧 MACHINE

The range of **PE and PE-C electrical press brakes** has been developed within a cooperation between **g.a.d.e. and MechLav – Advanced mechanics lab** Engineering Department company of the University of Ferrara.

In concept this kind of press brakes applies the principle of an electrical hoist with pulleys connected in series and driven with ultra high resistance belts.
(See diagram)

According to the motor power and to the number of belt gears it is possible to achieve a **pressure force much higher** than that of traditional electric press brakes with recirculating linear roller bearings.

Top view of belt transmission system





FRAME

The placing of more idler pulleys on the beam length, basically guarantees a complete absence of deflection in the center of the machine also in case of heavy use. This of course does not apply to the lower beam, which, resting on the extremities, is subjected to deflections in the center under heavy loads.

g.a.d.e. wanted to move a step forward and in order to guarantee to its customers max. bending precision, has designed the first electrical press brake with **ACTIVE hydraulic crowning and highly efficient energy saving system.**

This, however, does not apply for the lower beam which, resting on the extremities, could be subject to deflections in case of overload bending.

Among the peculiarities that make g.a.d.e.'s electrical press brake extremely versatile and efficient there are noiseless performance and the use of slides made of high-tech material lubrication-free also over long working periods.

Moreover, the high acceleration given by the press brake electric control allows a **drastic reduction of the bending cycle** for two main reasons:

- approaching stroke made ENTIRELY at maximum descent speed;
- no machine stop at the speed change point is required.

The features above together with **an innovative and original design** make **Italian quality once more unique** and here enhanced **g.a.d.e.** through its products dedicated to the sheet metal bending.

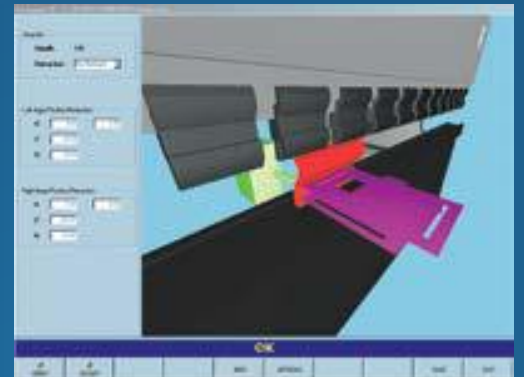
Z1 - Z2 Axes



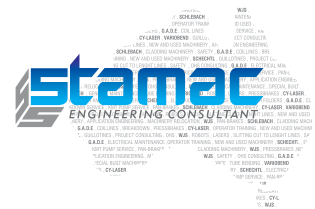
Front support arms



USER FRIENDLY

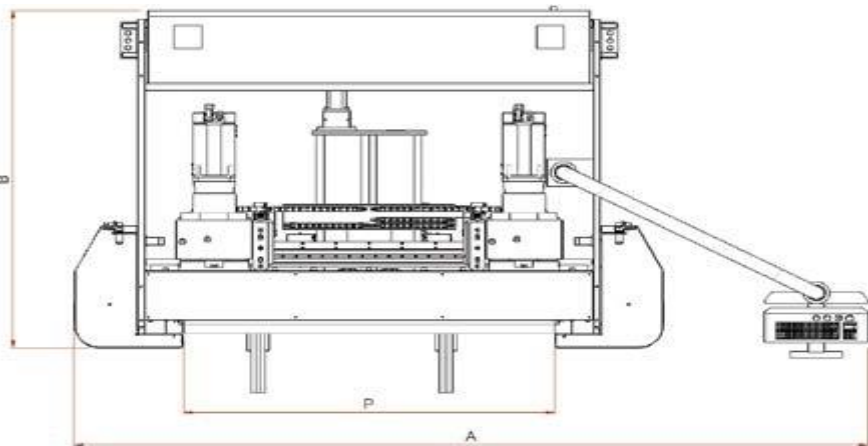
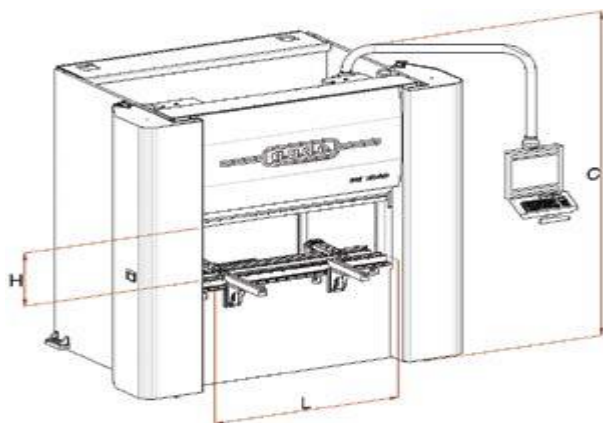


PRODUCTIVITY AND SAFETY



MAIN TECHNICAL DATA OF THE PRESS BRAKES

			MODELS					
			PE 1540	PE 2055	PE 2575	PE-C 30100	PE-C 30140	PE-C 40180
	Max power	kN	400	550	750	1000	-	-
L	Bench length	mm	1600	2100	2600	3100	-	-
P	Distance between frames	mm	1680	2150	2650	3170	-	-
H	Bench/top beam distance	mm	485	485	485	485	-	-
	Max stroke	mm	250	250	250	250	-	-
	X axis stroke	mm	600	600	600	800	-	-
	X5 axis stroke	mm	± 100	± 100	± 100	± 100	-	-
	X6 axis stroke	mm	± 100	± 100	± 100	± 100	-	-
	R axis stroke	mm	150	150	150	150	-	-
	Z1-Z2 axes stroke	mm	1150	1650	2150	2650	-	-
	Approaching speed	mm/sec	200	170	140	85	-	-
	Working speed	mm/sec	1 ÷ 12	1 ÷ 12	1 ÷ 12	1 ÷ 12	-	-
	Return speed	mm/sec	200	170	140	85	-	-
	A – Length	mm	3900	4375	4875	5375	-	-
	Width	mm	1860	1860	1860	2200	-	-
	Height	mm	2505	2505	2505	2750	-	-
	Total motors power	KW	6,2x2	6,2x2	6,2x2	6,2x2	-	-
	Approx weight	Kg	6300	7200	9100	11500	-	-





PE 1540



PE 2055



PE 2575



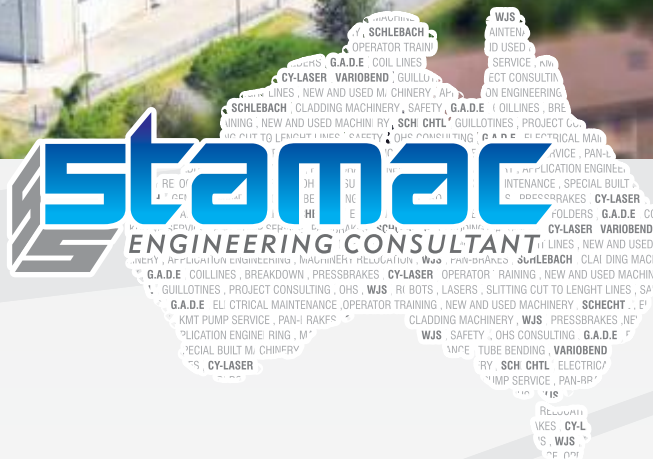
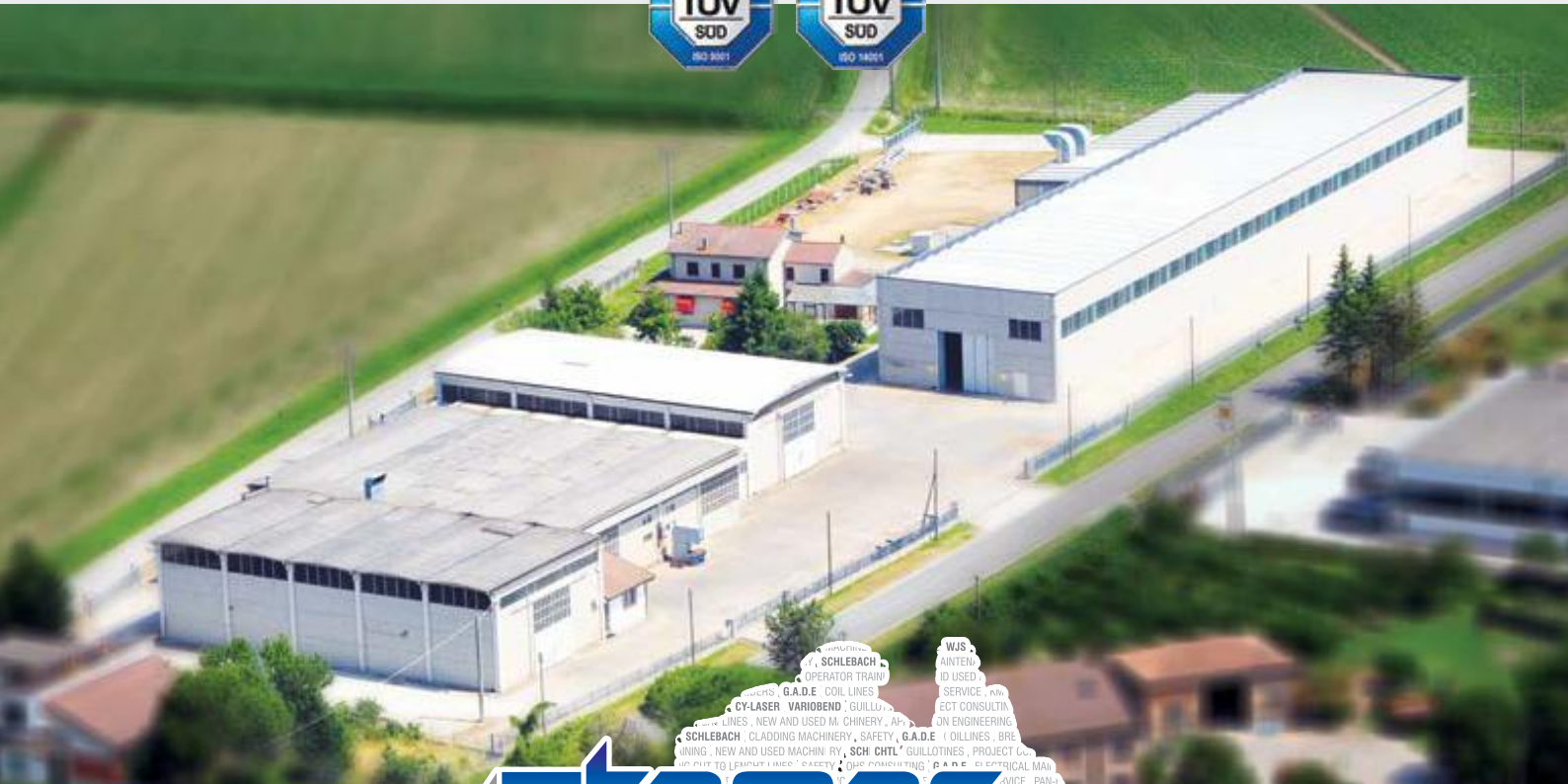


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