

Standard
ENGINEERING CONSULTANT

g.a.d.e.

PSC GREEN DRIVE



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THE MACHINE

Sheet metal bending can be performed with different types of machines such as press brakes, roll-formers and panel benders.

However, only the press brake allows great flexibility and precision as well as the possibility to bend special profiles of big dimensions which is not possible with the other machines specified.

Thanks to the new synchronized press brakes of the Green Drive series, g.a.d.e, is able to provide versatility, great performance and high energy saving thus satisfying all customer requirements.

MAIN FEATURES

The **Green Drive** press brake serie is the synthesis between the pluriannual manufacturing experience of g.a.d.e. and the latest technologies offered in the market; a machine with the aim to offer high performance in combination with the unique Italian design. g.a.d.e. has been operating for several years with the UNI EN ISO CERTIFICATE 14001 (ENVIRONMENTAL MANAGEMENT SYSTEM); with this new series of press brakes the company wanted to confirm further its policy by reducing the energy consumption. The energy saving achieved with the PS-C Green Drive is the same as the one achieved with the electric machines (both belt or screw driven). What is remarkable in this new serie of press brakes is that this (energy saving) is achieved with excellent performance of the machine itself such as increase of the bending power up to 30% as well as increase of the working speed up to 45%. All this is accomplished with an unchanged great reliability and versatility typical of the hydraulic press brake.

STANDARD CONFIGURATION

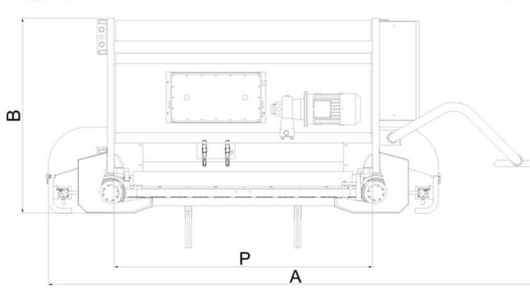
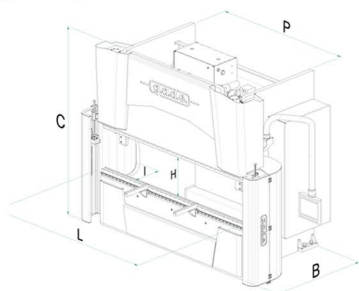
Main motor controlled by INVERTER to achieve:

- Energy saving
 - Power increase up to 33%
 - Speed increase
- 19" CNC colour graphic and touchscreen control with 7 axes (Y1-Y2-X1-X5-R-Z1-Z2) ESAUTOMOTION Mod. S660
 - Increased cylinder stroke
 - 250 mm intermediate and pneumatic clamps suitable for achieving deep boxes
 - Retractable rear supports mounted on back gauge
 - Front and rear safety system with light barriers
 - Motorized laser supporting bracket with automatic positioning based on height of tooling
 - LED light mounted top beam suitable for machine set up
 - Hydraulic and active crowning system
 - Narrow bench
 - Hardened and ground tooling supplied in sections
 - Automatic lubrication pump
 - Front support arms sliding on ball screw guides

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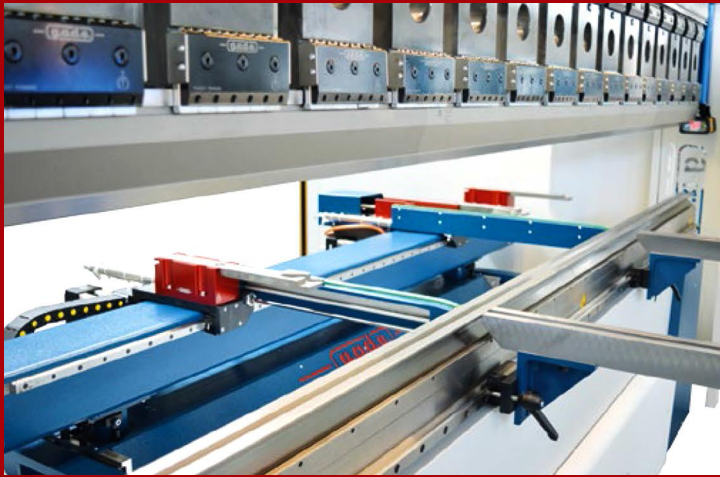
TECHNICAL DATA OF PRESS BRAKE MODEL GREEN DRIVE

PSC GREEN DRIVE		MODELLI - MODELS - MODEL - MODÈLE									
		3120	4120	3160	4160	3200	4200	3300	4300	4400	
	Forza nominale - Nominal power - Nennleistung - Force nominale	kN	1200	1200	1600	1600	2000	2000	3000	3000	4000
	Forza max - Max power - maximale Preßkraft - Force maximale	kN	1600	1600	2000	2000	2500	2500	3500	3500	4500
L	Lunghezza tavola - Bench length - Tischlänge - Longueur table	mm	3200	4200	3200	4200	3200	4200	3200	4200	4200
P	Passaggio montanti - Distance between side frames - Abstand zwischen den Ständern - Passage montants	mm	2600	3600	2600	3600	2600	3600	2600	3600	3600
I	Incavo montanti - Gap - Aushöhlung zwischen den Ständer - Encoche entre les montants	mm	500	500	500	500	500	500	500	500	500
H	Distanza tavola-pestone - Top beam/bench distance - Abstand Tisch-Stößel - Distance table - à porte-couteau	mm	710	710	710	710	760	760	760	760	760
	Corsa Assi Y1-Y2 - Cylinder stroke Y1-Y2 Y1-Y2 Achsenbewegung - Course axes Y1-Y2	mm	350	350	350	350	400	400	400	400	400
	Corsa asse X1 - X1 axis stroke - X1-Achsenbewegung - Course axe X1	mm	800	800	800	800	800	800	800	800	800
	Corsa asse X5 - X5 axis stroke - X5-Achsenbewegung - Course axe X5	mm	± 150	± 150	± 150	± 150	± 150	± 150	± 150	± 150	± 150
	Corsa asse X6 - X6 axis stroke - X6-Achsenbewegung - Course axe X6	mm	± 150	± 150	± 150	± 150	± 150	± 150	± 150	± 150	± 150
	Corsa asse R - R axis stroke - R-Achsenbewegung - Course axe R	mm	150	150	150	150	150	150	200	200	200
	Corsa assi Z1-Z2 - Z1-Z2 axes stroke - Z1-Z2 Achsenbewegung - Course axes Z1-Z2	mm	2000	3000	2000	3000	2000	3000	1900	2900	2900
	Velocità di avvicinamento - Approaching speed - Leerehubgeschwindigkeit - Vitesse d'approche	mm/sec	200	200	200	200	200	200	140	140	120
	Velocità di lavoro - Working speed - Arbeitsgeschwindigkeit - Vitesse d'usage	mm/sec	1 ÷ 12	1 ÷ 12	1 ÷ 12	1 ÷ 12	1 ÷ 12	1 ÷ 12	1 ÷ 12	1 ÷ 12	1 ÷ 12
	Velocità di ritorno - Return speed - Rücklaufgeschwindigkeit - Vitesse de retour	mm/sec	180	180	200	200	200	200	150	150	140
A	Lunghezza - Length - Länge - Longueur	mm	4500	5500	4500	5500	4500	5500	4500	5500	5500
B	Larghezza - Width - Breite - Largeur	mm	2150	2150	2150	2150	2150	2150	2300	2300	2400
C	Altezza - Height - Höhe - Hauteur	mm	3150	3150	3150	3150	3450	3450	3650	3650	3700
	Potenza complessiva motori - Total motor power - gesamte Motoreleistung - Puissance globale moteurs	KW	13	13	17	17	21	21	25	25	33
	Peso approssimativo - Approx. weight - ungefähres Gewicht - Poids approximatif	Kg	12800	15300	15000	17800	19200	22100	23500	28000	31200

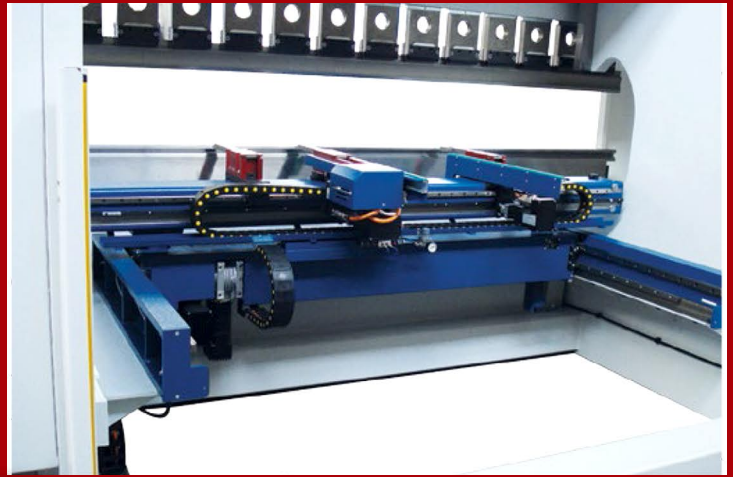


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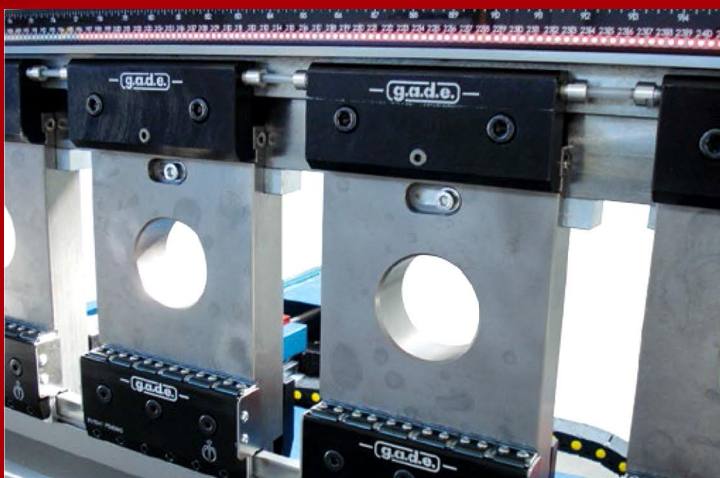
**BACK GAUGE WITH
RETRACTABLE REAR SUPPORT**



5 AXES BACK GAUGE



**LED LIGHT MOUNTED TOP BEAM
SUITABLE AND 250MM PNEUMATIC
INTERMEDIATE CLAMPING SYSTEM**



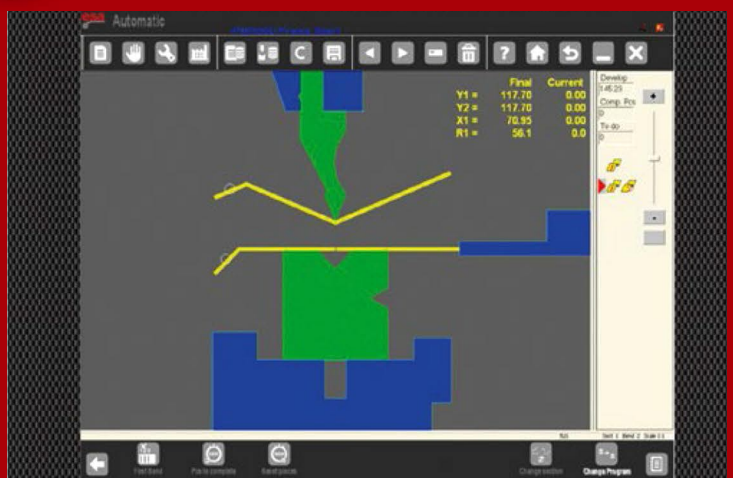
**LASER SUPPORTING BRACKET
WITH AUTOMATIC POSITIONING**



**LIGHTING OF WORKING AREA
THROUGH LED**



**ESAUTOMATION CNC
CONTROL MODEL 5660**





ABOUT THE COMPANY

Over thirty years' experience in the manufacturing of sheet metal working machinery with continuous product improvement and quality customer service, have led the company to become one of the most qualified and reliable manufacturer in its field. The company was founded in 1980 and its activity began with the design and manufacturing of hydraulic press brakes for sheet metal industries.



G.a.d.e.'s actual production range includes:

- Hydraulic synchronized press brakes
- Electric press brakes
- Press brakes for sheet metal work
- Hydraulic guillotine shears
- Special applications according to customer's requirement

All the above is accompanied by a high level after sales service that has been appreciated by customers through the years.





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