



**New Generation
Technology**

**HYBRID PRESS
BRAKE**

EPR HYBRID

GARNET

HIDROGARNE

HIDROGARNE



Hidrogarne has a business career that started with the manufacture of machines solely for the Spanish market, successively we went extending through different European countries and we are currently exporting our hydraulic presses to more than 20 countries around the world.

It guarantees an experience of more than 30 years of innovation, quality and commitment to our customers. The continuous progress during all these years places us as leaders in the manufacture of hydraulic presses.

Convinced of the quality of our hydraulic presses, we have extended the manufacturing guarantee to a period of two years.

All our range of hydraulic presses is designed and manufactured entirely at HIDROGARNE facilities.

We are specialized in the manufacture of hydraulic presses with capacities, measurements and technical characteristics adapted to every customer needs.

EPR HYBRID PRESS BRAKE



Last Generation of HYBRID PRESS BRAKE machines which meet the highest demands of precision and reliability.

The EPR-HYBRID models are 7-axis press brakes equipped with a CYBELEC 3D CNC mod. CYBTOUCH 19 or a DELEM 3D CNC mod. 69T CW.

They have been designed to meet the highest bending requirements and can be installed with 7 to 14 axes. They allow synchronisation to work with robotics and peripherals via interface and Ethernet connection with technical office and on-line repair via pre-installed modem. They comply with the parameters of Industry 4.0.

ENERGY EFFICIENT

LOW ENERGY CONSUMPTION

The closed-loop hydraulic system has low power consumption. At the same time it is respectful of the environment with an average oil consumption of 34.5 l.

LOW OPERATING COST

Operating cost is minimal due to low power consumption. Therefore, it brings advantages to the user with high efficiency and low operating cost.

NEW GENERATION TECHNOLOGY

HYDRAULIC SYSTEM

It incorporates a circuit hydraulic system, and it has very low maintenance compared to the traditional ones.



- High speed: reduces cycle time and increases performances by 30 %.
- "Y" axis position accuracy 0.005 mm
- Sound level 60dB.
- Working temperature below 40° C
- Compact motor-servo, pump, valves and oil tank system.
- Environmental protection through energy savings of 70%
- Reduced repair costs.

HIGH PRECISION BACKGAUGE

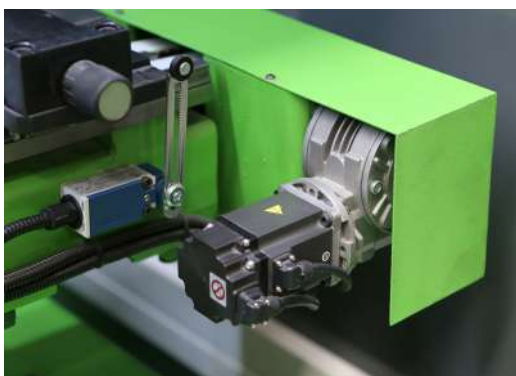
All the motors used in the backgauge are servomotors, this characteristic gives us a high accuracy of positioning and speed movements.



Backgauge with multiple pre-programmed support stations and 4 controlled axes (X, R, Z1, Z2).

CONTROL, PRECISION AND STURDINESS

MAXIMUM BENEFITS



For the movements of the axes of the backgauge it has installed servomotors that, together with the ball screws and the INA-type prismatic guides, move with great precision and speed.

EPR HYBRID PRESS BRAKE



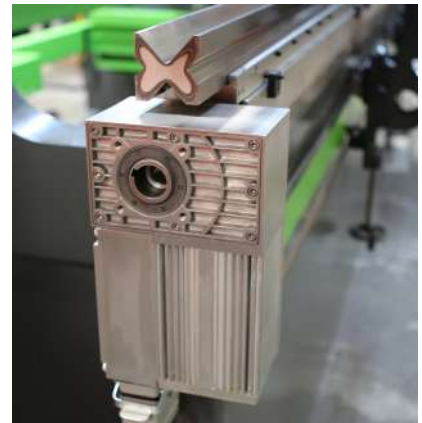
Retractable fingers which avoid collisions on "Z" reverse fold.



Cutout, 410 mm.



2 front supports with "T" slots with retractable millimeter stops and moveable by INA-type guides.



Anti-flexion motorized table.



Promecam hold.
Bending compensation by chocks.



CNC DELEM
mod. 69T CW



CNC CYBELEC mod.
CYBTOUCH 19

EPR HYBRID PRESS BRAKE

TECHNICAL CHARACTERISTICS

Model	Folding lenght	Bending strength	Thickness/sheet (Rm=42kgf/mm2)	Distance between studs	Approx. speed. - axis Y	Work speed - axis Y	Return speed - axis Y	Backgauge stroke - axis X	Speed - axis X	Stroke - axis R	Speed - axis R	Speed axis Z1,Z2
	A		T	B								
	mm	Ton	mm	mm	mm/s	mm/s	mm/s	mm	mm/s	mm	mm/s	mm/s
HYBRID 26100	2600	100	5	2200	200	10	200	800	500	250	350	1000
HYBRID 26137	2600	137	6	2200	160	9,5	160	800	500	250	350	1000
HYBRID 31100	3100	100	5	2600	200	10	200	800	500	250	350	1000
HYBRID 31137	3100	137	6	2600	180	9,5	160	800	500	250	350	1000
HYBRID 31175	3100	175	6	2600	200	10	192	800	500	250	350	1000
HYBRID 31220	3100	220	11	2600	197	10	174	800	500	250	350	1000
HYBRID 31260	3100	260	13	2600	165	9,5	129	800	500	250	350	1000
HYBRID 37137	3760	137	5	3250	180	9,5	160	800	500	250	350	1000
HYBRID 37175	3760	175	6	3250	180	10	192	800	500	250	350	1000
HYBRID 37220	3760	220	8	3250	180	10	174	800	500	250	350	1000
HYBRID 37260	3760	260	8	3250	180	9,5	129	800	500	250	350	1000
HYBRID 41137	4100	137	5	3600	180	9,5	160	800	500	250	350	1000
HYBRID 41175	4100	175	5	3600	180	10	192	800	500	250	350	1000
HYBRID 41220	4100	220	8	3600	180	10	174	800	500	250	350	1000
HYBRID 41260	4100	260	10	3600	180	9,5	129	800	500	250	350	1000

* According to CE regulations, the bending speed cannot exceed 10mm/s

EPR HYBRID PRESS BRAKE

TECHNICAL CHARACTERISTICS

Model	N° of fingers	N° of front arms	Power	Stroke	Vertical light	Cutout	Working height	Table width	Overall Length	Total height	Total width	Weight
			kW	mm	mm	mm	mm	mm	mm	mm	mm	kg.
HYBRID 26100	2	2	2X10,4	275	530	410	900	90	3750	2800	1950	6273
HYBRID 26137	2	2	2X10,4	275	550	410	900	90	3750	2800	2050	7673
HYBRID 31100	2	2	2X10,4	275	530	410	900	90	4250	2800	1950	6786
HYBRID 31137	2	2	2X10,4	275	550	410	900	90	4250	2800	2050	8186
HYBRID 31175	2	2	2X15,3	275	550	410	900	90	4250	2800	2150	9086
HYBRID 31220	2	2	2X15,3	275	550	410	900	200	4550	2850	2250	11286
HYBRID 31260	2	2	2X15,3	275	550	410	900	220	4550	2900	2350	13886
HYBRID 37137	2	2	2X10,4	275	550	410	900	90	4900	2800	2150	9400
HYBRID 37175	2	2	2X15,3	275	550	410	900	90	4900	2800	2150	10300
HYBRID 37220	2	2	2X15,3	275	550	410	900	160	5100	2900	2250	12750
HYBRID 37260	2	2	2X15,3	275	550	410	900	200	5100	3000	2350	16500
HYBRID 41137	2	2	2X10,4	275	550	410	900	90	5100	2800	2100	10200
HYBRID 41175	2	2	2X15,3	275	550	410	900	90	5100	2850	2150	11250
HYBRID 41220	2	2	2X15,3	275	550	410	900	160	5150	3000	2250	13600
HYBRID 41260	2	2	2X15,3	275	550	410	900	200	5150	3000	2350	17500

We reserve the right to introduce modifications and improvements without prior notice.

OPTIONAL ACCESSORIES

- Backgauge of 5 or 6 axes
- System for measuring angles by laser
- Pneumatic system for superior tool holder.
- Upper and lower tool holder hydraulic system
- Automatic sheet metal support arms controlled by the CNC (axes AP3+AP4)
- Special cutout.
- Special upper and lower tools
- CNC software options for PC.
- Storage cabinet for supplies.



INNOVATION

HIDROGARNE

Pol. Ind. Hostal Nou, 2 · 25250 Bellpuig -Lleida- SPAIN

Tel. +34 973 320 666

Email: info@hidrogarne.com www.hidrogarne.com