

# HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

## HV SERIES



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# HV SERIES

We have **designed** the HV series hydraulic presses **with three different power ranges, from 150 to 300 tonnes**.

Specifically designed to **perform works involving the straightening and bending of profiles, bars and beams**.

**The horizontal design of the machine permits an easy handling of large beams and profiles.**

The latest generation of HV series hydraulic presses now **feature a wide range of uses** including the possibility of **attaching a variety of tools to these machines**.

## OPTIONAL ACCESSORIES:

- Basic supply rails with a length of 3.000 mm to 12.000 mm with height adjustment.
- Motorised supply rails with a length of 3.000 mm to 12.000 mm.
- Hydraulic elevation and inclination of the supply rails.
- Bending equipment with a length of 415mm.
- CNC SIEMENS model SIMATIC S7 with PLC.
- Cooling equipment for the hydraulic unit.
- Geometry adapted to your needs.

HV series hydraulic presses consist of an electro-welded “C” structure made solely of ST-52.3 steel. **They are stabilised and machined at the end of the structural welding process** to ensure perfect parallelism and precision. **Calculated and designed by finite software with level 5 structural resistance**. With all of this, we always guarantee our **high robustness, precision and quality standards**.

These models **are equipped with a mechanized pushing main table and a supporting back table, both made of CK-42 stainless steel, with two “T” DIN-650 grooves**. Includes, as standard, **supporting blocks also made of CK-42 stainless steel**. The main table ensures **perfect alignment** by means of **four cylindrical lateral guides** with anti-friction bimetallic caps which require no maintenance.

Includes, as standard, a height-adjustable accompanying roller at both sides.

**The cylinder is double-acting** with a lapping liner, chrome plunger and maintenance-free anti wear guides. **A squared regulating panel with stroke endings** comes as standard which enables us to conveniently **regulate the main cylinder stroke**.

**A two-speed motorized hydraulic unit** with automatic high speed deactivation. It's **equipped with a cylinder decompression valve**. **Includes as standard, a lateral pressure regulator that permits the adjustment of the most appropriate pressure** for each type of work. The control panel features a **switch** enabling the user to select the desired type of work in a **manual or semi-automatic position** and a switch to select the **high approach speed or the low working speed**.

**Operation** is carried out by **low voltage electric pedals**.

**They are supplied with a glycerin gauge with reading in tonnes**, hydraulic oil and an instructions manual.

**It meets** and satisfies all the essential health and safety requirements in accordance with **the EC standard**.

**All our hydraulic presses work with hydraulic pressure lower than 320 bar** to ensure the greater durability of the hydraulic system as a whole

Model	Power	Motor power	Throat depth	Working speed	Approaching speed	Return speed	Maximum pressure	Piston stroke	Supporting table	Diameter of guides	Main table	Max. vertical light	Working height	Supporting blocks	Total length	Total width	Total height	Weight
	t	kW	mm	mm/s	mm/s	mm/s	bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg
HV-150	150	4	350	2	10	16	320	450	2.000x500	50	500x500	700	850	100x100x500	2.950	2.000	1.450	6.700
HV-220	220	5,5	375	2,2	10	18	320	450	2.500x600	60	600x600	800	900	120x120x600	3.250	2.500	1.500	12.150
HV-300	300	7,5	450	2,1	10	16	320	450	2.500x750	60	750x750	900	950	150x150x750	3.350	2.500	1.600	15.300

HIDROGARNE reserves the right to introduce modifications and improvements without previous notice.

*ADVANCEMENT*

*HARDINESS STRENGTH CONTROL*

*VERSATILITY*



# HIDROGARNE

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## WHO WE ARE

**Active in the market since 1987.** A corporate trajectory which began with the supply of machinery exclusively for the Spanish market, we gradually branched out into several different European countries and we are **now exporting** our hydraulic presses **to over 20 countries all over the world.**

We are backed by over **25 years of experience** in innovation, quality and commitment to our customers. Our continuous progress over all these years has led to us becoming **leaders in the manufacture of hydraulic presses.**

**Convinced of the quality** of our hydraulic presses, we have extended our manufacturing guarantee to a period of 2 years.

Our entire range of hydraulic presses is **totally manufactured by HIDROGARNE.**

**We are specialized in making hydraulic presses with the capacities, measurements and technical characteristics adapted to your needs.**

**Made in Spain**