

# HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

## HV/NC SERIES



SERIES HV SERIES HV SERIES HV SERIES HV SERIES

# HV SERIES

Our HV series horizontal hydraulic ram press is designed with a range of three different powers ranging from 150 to 300 tons. Horizontal hydraulic presses are specially designed for straightening and bending profiles, bars, and beams.

The horizontal design of the machine allows us to easily handle large beams and profiles. The latest generation HV series horizontal hydraulic press has evolved into a versatile machine, capable of incorporating a variety of tooling options.

They operate at a hydraulic pressure below 320 BAR to ensure greater durability of the entire hydraulic system.

## STRUCTURE AND TABLES

The HV series horizontal straightening hydraulic presses consist of a C-shaped electro-welded structure made exclusively of S355JR steel. It is stabilized and machined at the end of the welding process to ensure perfect parallelism and precision. Calculated and designed using finite element software. With all this, we always guarantee our high standards of robustness, precision, and quality.

They are equipped with a main push table and a rear support table made of high-strength steel and machined with DIN 650 grooves. They incorporate support blocks made of C45E steel as standard. The main table ensures perfect parallelism through four cylindrical guides with maintenance-free bimetallic bushings with friction-free maintenance.

They incorporate two adjustable height accompanying rollers located on each side as standard.

## CYLINDER AND HYDRAULIC GROUP

Double-acting cylinder with seamless cold-drawn tube, chrome-plated piston, and maintenance-free wear-resistant guides.

Two-speed motorized hydraulic group with automatic disconnection of the fast speed. Includes cylinder decompression valve.

## 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 7" touch screen MTP-700.
- Cooling equipment for the hydraulic unit.
- Remote connection router
- Industry 4.0
- Geometry adapted to your needs.

## ELECTRICAL INSTALLATION, CONTROL AND SAFETY

It incorporates a SIEMENS safety PLC model SIMATIC S7 1200 and a 4" touchscreen model MTP-400 located at the top of the electrical drive pedal as standard. It allows programming the operating mode in semi-automatic and automatic, the power, the stroke, and the dwell time of the upper cylinder. It has a storage capacity of 99 recipes, and all the aforementioned values can be programmed in each recipe.

The electrical panel incorporates a selector that allows choosing the type of work we want to perform in manual or automatic position and a key selector for maintenance work.

Electrical and hydraulic maneuvers are redundant and self-controlled. Incorporate an additional safety block and self-control devices for maneuver and safety.

Meets and satisfies all essential safety and health requirements according to CE regulations.

They are supplied with an instruction manual.

Model	Power	Motor power	Throat depth	Working speed	Approaching speed	Return speed	Maximum pressure	Piston stroke	Supporting table	Diameter of guides	Main table	Max. light between tables	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	300	2	9,9	15.4	320	450	2.000x500	50	500x500	700	900	100x100x500	2.520	2.000	1.570	6.700
HV-220	220	5,5	330	2,2	9	16.2	320	450	2.500x600	60	600x600	800	950	120x120x600	2.800	2.500	1.700	11.150
HV-300	300	7,5	405	2	9,9	14.7	320	450	2.500x750	60	750x750	900	950	150x150x750	3.200	2.500	1.800	13.300

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

ADVANCEMENT

HARDINESS STRENGTH CONTROL

VERSATILITY



HV-300 equipped with basic supply rails (optional)



NC SIEMENS mod. MTP-400



HV-300 standard

# 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 25 countries all over the world.

We are backed by over 37 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