

# HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

## T/NC SERIES



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ENGLISH

# T/NC SERIES

## HYDRAULIC STRAIGHTENING PRESSES

We have designed motorized hydraulic presses with movable gantry and adjustable head from the T series, offering a range of three different powers ranging from 150 to 300 tons. Specifically designed for straightening welded structures and oxyfuel-cut plates.

Their design facilitates loading and unloading of large-volume pieces, plates, or structures. It allows access to different pressing points without the need to move the piece, thanks to the lateral displacement of the cylinder and the longitudinal movement of the gantry.

They operate with a hydraulic pressure of less than 320 BAR to ensure greater durability of the entire hydraulic system.

## STRUCTURE AND TABLES

The hydraulic presses of the T series consist of an 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 with finite element software. With all this, we always guarantee our high standards of precision and quality.

The longitudinal displacement of the gantry is carried out by a frequency converter and driven by a toothed belt. The lateral displacement of the head is motorized and, in the 220 and 300 ton models, is controlled by a frequency converter.

## CYLINDER AND HYDRAULIC GROUP

Double-acting cylinder with seamless cold-drawn tube, chrome-plated piston, and maintenance-free wear-resistant guides. It is equipped with a detachable and interchangeable pad to prevent piston damage and machined at the end to adapt tooling.

Motorized hydraulic group with two-speed drive with automatic disconnection of the fast speed. Includes cylinder decompression valve.

## OPTIONAL ACCESSORIES:

- Lower table of 3000 x 1550 x 75 mm for TL-150
- Lower table of 3500 x 2040 x 85 mm for TL-220
- Lower table of 4000 x 2540 x 95 mm for TL-300
- 8 ejector cylinders installed on the lower table, 2 t each, for TL-150
- 12 ejector cylinders installed on the lower table, 2 t each, for TL-220/300
- Cylinder extender of 250 mm
- Remote connection router
- Industry 4.0
- Geometry adapted to your needs

## ELECTRICAL INSTALLATION AND SAFETY

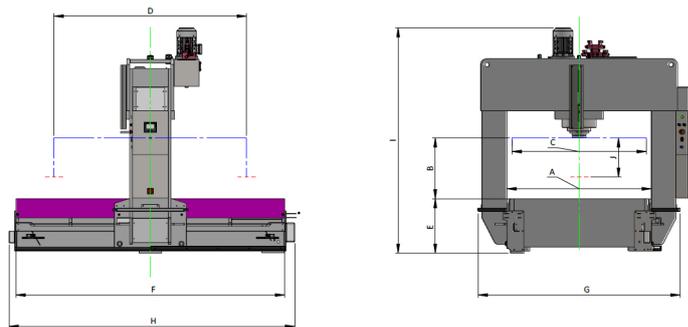
It incorporates a SIEMENS safety PLC model SIMATIC S7 1200 and a 4" touchscreen model MTP-400 located at the electric box as standard. It allows programming the operating mode in semi-automatic and automatic, the power, the vertical stroke, and the dwell time of the upper cylinder. It has a storage capacity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

The activation is done via remote control. It includes a double push button for slow or fast ascent and descent, emergency stop, and maneuver confirmation button.

To ensure safety, it incorporates a touch-sensitive safety edge device installed at the bottom of the gantry columns.

They are supplied with an instruction manual.

They comply with and meet all essential safety and health requirements according to CE regulations.



Model	Power	Motor power	Working speed	Approaching speed	Return speed	Maximum pressure	Piston stroke	J	Lower table	C	D	A	Max. vertical light	E	G	H	I	Weight
	t	kw	mm/s	mm/s	mm/s	bar	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
TL-150	150	4	2	9.9	15.4	315	450		1.550x3.000	1.100	2.150	1.565	700	600	2.230	3.190	2.560	6.500
TL-220	220	5.5	2.2	9	16.2	315	450		2.045x3.500	1.550	2.500	2.060	700	700	3.300	3.630	3.005	9.400
TL-300	300	7.5	2	9	14	315	450		2.545x4.000	2.000	3.000	2.560	700	750	3.760	4.130	3.135	13.400

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

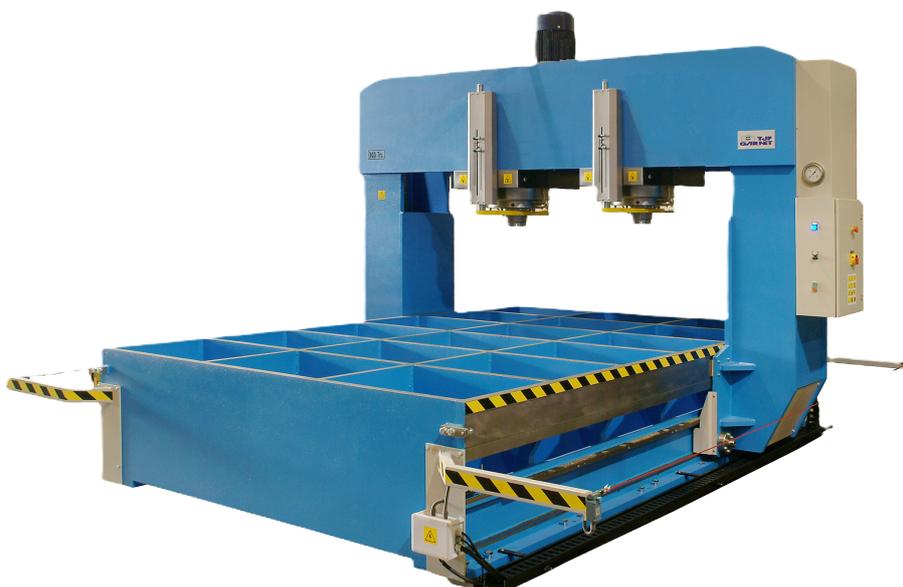
ADVANCEMENT

HARDINESS STRENGTH CONTROL

VERSATILITY



Mod. TL-220 equipped with milled lower table (optional)



Mod. TL-150/150 equipped with two heads (optional)



SIEMENS NC mod. MTP-400

# 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

[www.hidrogarne.com](http://www.hidrogarne.com)

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