

HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

T SERIES



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ENGLISH

T SERIES

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

They are especially designed for the straightening of electro welded structures and flame cut sheets.

Their design **facilitates the loading and unloading of large volume parts**, sheets or structures. It allows the different pressing points to be accessed **without the need to move the part** thanks to the lateral displacement of the cylinder and the longitudinal displacement of the bridge.

OPTIONAL ACCESSORIES:

- 3,000 x 1,550 x 75 mm press bed (lower table) for TL-150.
- 3,500 x 2,040 x 85 mm press bed for TL-220.
- 4,000 x 2,540 x 95 mm press bed for TL-300.
- 8 ejector cylinders installed on the press bed, power 2 t each for TL-150.
- 12 ejector cylinders installed on the press bed, power 2 t each for TL-220/300.
- Hold-down plate extension of the cylinder 250 mm.
- Geometry adapted to your needs.

T-series hydraulic presses consist of an electro welded 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 precision and quality standards.

The **longitudinal displacement of the bridge is carried by frequency inverter and cogged belt** to ensure **precise and sensitive slides.** **The lateral movement of the head is motorized.**

The cylinder is double acting with a lapping liner, chrome plunger and maintenance-free anti wear guides, it's **fitted with a removable and interchangeable hold-down plate** to avoid the deterioration of the plunger **and machined at the end to adapt tools.** **Anti-turning of the cylinder and a squared front with stroke endings come as standard which enable** us to conveniently **regulate the cylinder stroke.**

The motorised two-speed hydraulic unit has automatic rapid speed disconnection. It includes a **cylinder decompression valve.** **A pressure regulator** comes as standard **which allows the regulation of the most appropriate pressure** for each kind of pressing.

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 either **the fast approach speed or slow operational speed.**

Operation is carried out **by means of a pendant control station with an emergency stop** and low-voltage operation. It includes an operation confirmation button.

Safety is guaranteed by the use of a **line-operated safety installed on the perimeter.**

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	Working speed	Approaching speed	Return speed	Maximum pressure	Piston stroke J	Lower table	Headstock displacement C	Frontal light D	Lateral light A	Max. vertical light	Bed light E	Total front G	Total lateral H	Total height 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	10	16	315	450	1.550x3.000	1.100	2.150	1.565	700	600	2.520	3.260	2.550	6.500
TL-220	220	7.5	2	10	15	315	450	2.045x3.500	1.550	2.500	2.060	700	700	3.430	3.860	2.900	13.000
TL-300	300	7.5	2	10	16	315	450	2.545x4.000	2.000	3.000	2.560	700	750	3.930	4.360	3.100	16.000

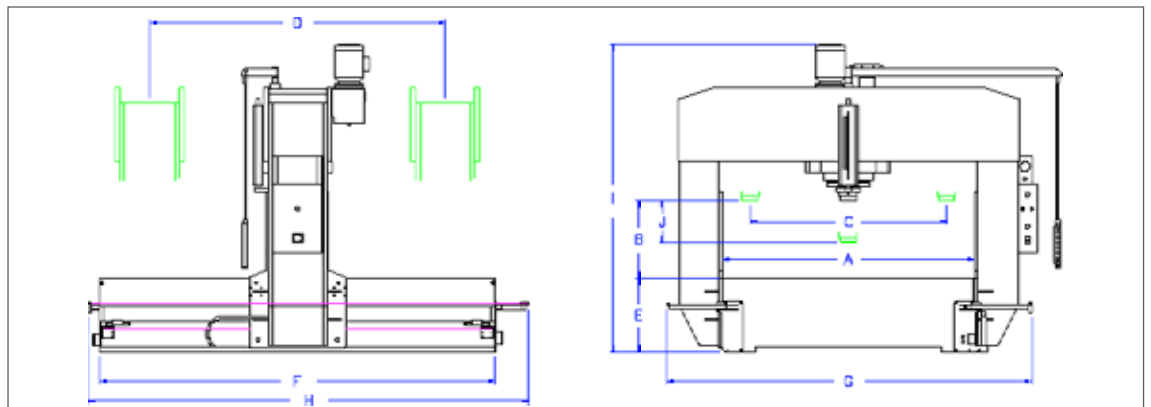
ADVANCEMENT

HARDNESS STRENGTH CONTROL

VERSATILITY



Machine diagram



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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

www.hidrogarne.com

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