

# 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             | 9.9               | 15.4         | 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         | 2.2           | 9                 | 16.2         | 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             | 9.0               | 14.7         | 315              | 450             | 2.545x4.000 | 2.000                    | 3.000           | 2.560           | 700                 | 750         | 3.930         | 4.360           | 3.100          | 16.000 |

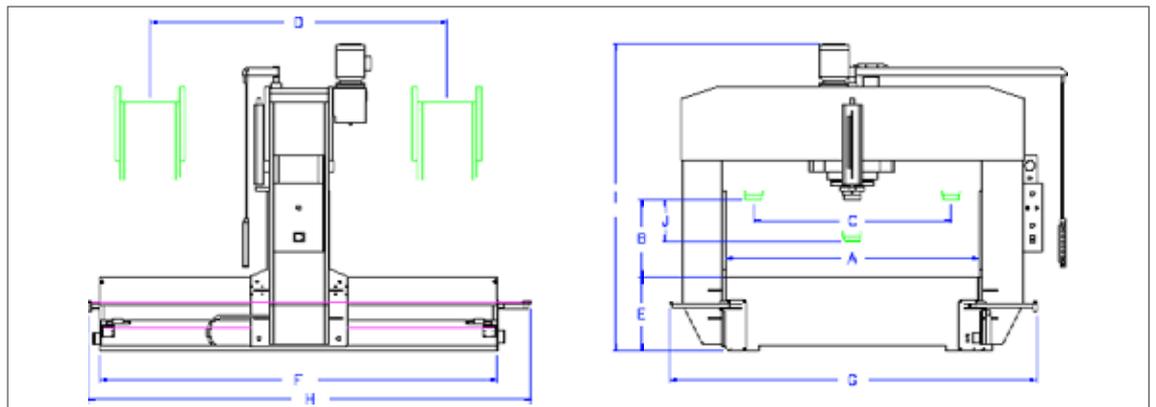
ADVANCEMENT

HARDNESS STRENGTH CONTROL

VERSATILITY



Machine diagram



# 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 **30 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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