

# HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

## L SERIES



# L SERIES

We have **designed** the L-series hydraulic presses **with four different power ranges, from 100 to 300 tonnes.**

Specifically designed to perform **work involving fretwork, deep-drawing, punching, bending, straightening, etc.**

The latest generation L series hydraulic presses **now feature a wide range of uses including the incorporation of equipment for bending and punching** and the possibility of **installing moulds and dies.**

L-series hydraulic presses consist of an electro welded structure made solely of ST-52.3 steel. **They are machined at the end of the structural welding process** to ensure perfect parallelism and precision. **Calculated and designed by finite software with level 4 structural resistance.** With all of this, we always **guarantee our high precision and quality standards.**

These models feature a **mobile bed** which enables the equipment to be positioned at different heights. The equipment is secured by means of two center pins located in the center of the bed, it incorporates four screws on each side to get a more solid fixation in case you want to install tools. **The raising and lowering system operates by chains driven by means of a hoist** equipped with an oil-bath reducer with an endless crown, it incorporates lateral guide rollers. The **gear system is located in the rear outer part** in order to **leave the entire inner part of the bed free.**

Two different models are available:

**LM models:** The bed is raised by means of a manually operated gear system and the head is moved by means of rolling on mechanized rails.

**LV models:** The bed is raised by means of a brake engine and a gear system with a torque limiter and the head is moved by means of a wheel and a rack transmission system.

This model is **equipped with a movable head** and a manual locking system.

## OPTIONAL ACCESSORIES:

- Front pressure regulator.
- Motorized elevation bench equipped with braking motor and reducer (only LM model).
- Punching tools set for diameters from 6 mm up to 40 mm with anti-deformation elastic hold-down.
- Punching tools set for diameters from 6 mm up to 100 mm with anti-deformation elastic hold-down.
- Punching tools set for diameters from 6 mm up to 160 mm.
- 415 mm long folding tools set.
- 1020 mm long folding tools set, it includes 2 lateral guides to ensure the folding parallelism.
- Machined lower table with DIN-650 T-grooves.
- Machined upper table with 2 or 4 guides and DIN-650 T-grooves.
- Mechanical regulation of the cylinder (only available of 80 and 100 tons).
- Operation by two hands push button with level IV security module.

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.**

A **two-speed motorized hydraulic unit** with automatic high speed deactivation. It's equipped with a **cylinder decompression valve.**

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 low voltage electric pedals.**

**They are supplied with a set of flat blocks, glycerin gauge with reading in tonnes,** hydraulic oil and an instruction 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 | Bed motor power | Working speed | Approaching speed | Return speed | Maximum pressure | Piston stroke | Headstock displacement | Frontal light | Lateral light | Max. vertical light | Table light | Total front | Total lateral | Total height | Weight |
|--------|-------|-------------|-----------------|---------------|-------------------|--------------|------------------|---------------|------------------------|---------------|---------------|---------------------|-------------|-------------|---------------|--------------|--------|
|        | t     | kw          | kw              | mm/s          | mm/s              | mm/s         | bar              | mm            | mm                     | mm            | mm            | mm                  | mm          | mm          | mm            | mm           | kg     |
| LM-100 | 100   | 4           | --              | 3.1           | 9.2               | 14.4         | 320              | 250           | 1.050                  | 1.500         | 280           | 920                 | 345         | 2.050       | 1.180         | 2.660        | 1.880  |
| LM-150 | 150   | 4           | --              | 2             | 9.9               | 15.4         | 320              | 250           | 1.000                  | 1.500         | 340           | 920                 | 405         | 2.120       | 1.180         | 2.805        | 2.450  |
| LV-220 | 220   | 5.5         | 0.75            | 2.2           | 9                 | 16.2         | 320              | 300           | 950                    | 1.500         | 400           | 1.020               | 485         | 2.140       | 1.500         | 3.185        | 3.360  |
| LV-300 | 300   | 7.5         | 0.75            | 2             | 9.9               | 14.7         | 320              | 300           | 900                    | 1.500         | 450           | 1.020               | 535         | 2.180       | 1.500         | 3.300        | 3.890  |

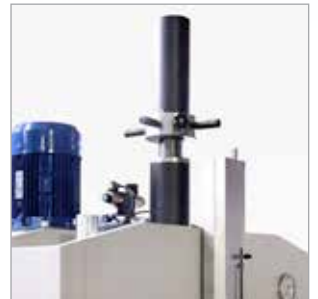
ADVANCEMENT

HARDNESS STRENGTH CONTROL

VERSATILITY



Cylinder detail



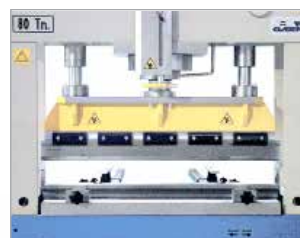
Mechanical regulation of the cylinder



Punching tools set for diameters from 6 mm up to 40 mm with anti-deformation elastic hold-down



Punching tools set for diameters from 6 mm up to 160 mm.



1020 mm long folding tools set



415 mm long folding tools set

# 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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