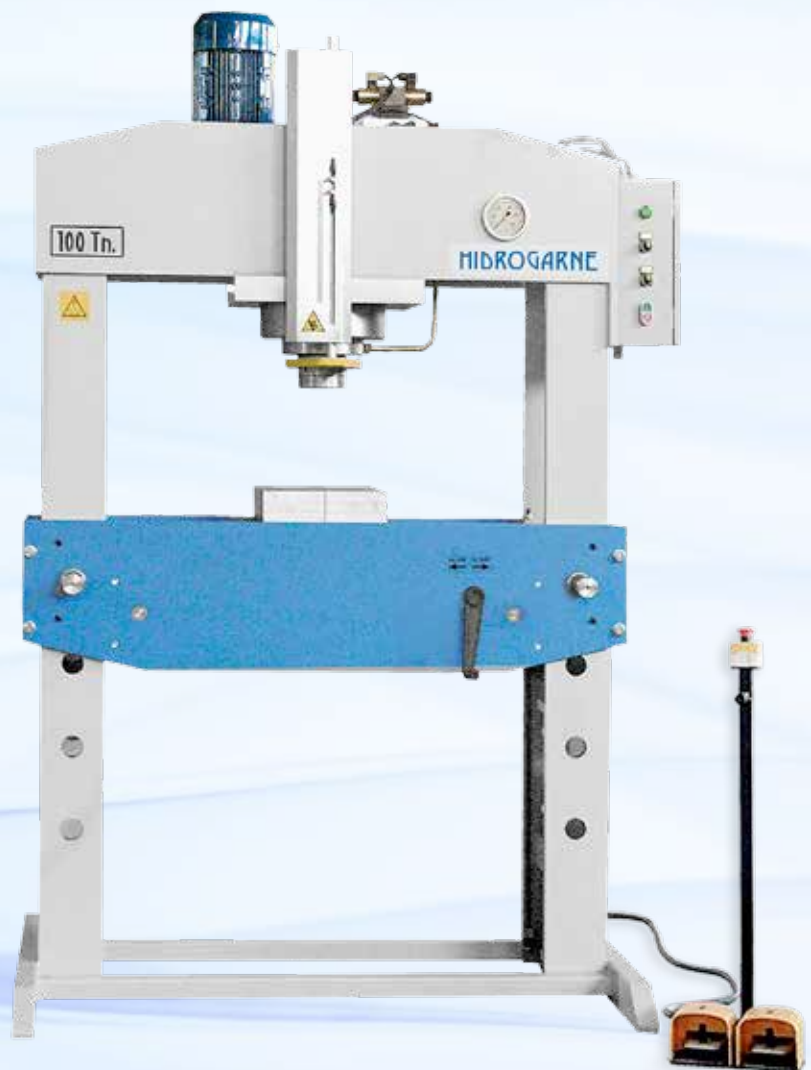


HIDROGARNE

Specialists in the manufacture of tailor-made hydraulic presses

D SERIES



D SERIES

We have **designed** the D-series hydraulic presses **with five different power ranges, from 80 to 300 tonnes**.

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

The latest generation D 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**.

D-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 models are available:

DM models: The bed is raised using a manually operated gear system.

DV models: The bed is raised using a brake engine and a gear system with a torque limiter.

These models feature a **fixed head**.

The cylinder is double acting with a lapping liner, chrome plunger and maintenance-free anti wear guides, it's **fitted with a removable**

OPTIONAL ACCESSORIES:

- Front pressure regulator.
- Motorized elevation bench equipped with braking motor and reducer (only DM 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).

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 marked 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**.

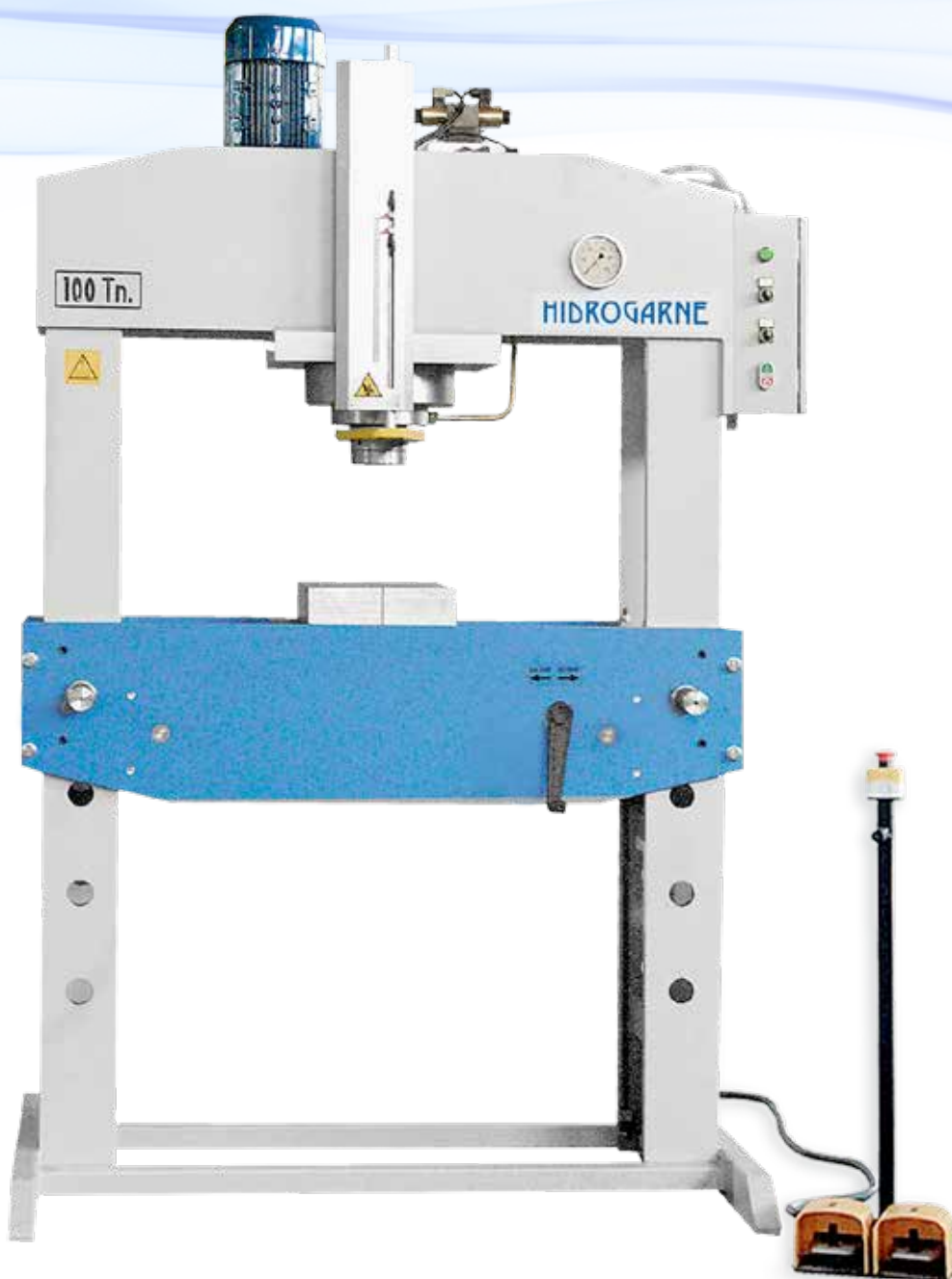
All our hydraulic presses work with hydraulic pressure lower than 320 bar to ensure the greater durability of the hydraulic system as a whole.

Model	Power	Motor power	Bed motor power	Working speed	Approaching speed	Return speed	Maximum pressure	Piston stroke	Frontal light	Lateral light	Max. vertical light	Bed 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	kg
DM-80	80	4	--	4	10	17	320	250	1.050	280	910	325	1.530	980	2.395	920
DM-100	100	4	--	3	10	15	320	250	1.050	290	920	345	1.600	980	2.465	1.170
DM-150	150	4	--	2	10	16	320	250	1.050	340	920	405	1.670	1.180	2.705	1.875
DV-220	220	5.5	0.75	2	10	18	320	300	1.500	390	1.020	475	2.140	1.500	3.165	3.360
DV-300	300	7.5	0.75	2	10	16	320	300	1.500	450	1.030	535	2.180	1.500	3.300	3.890

ADVANCEMENT

HARDNESS STRENGTH CONTROL

VERSATILITY



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



Mechanical regulation of the cylinder



415 mm long folding tools set



1020 mm long folding tools set

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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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