

HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

CM SERIES



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We have **designed** the CM-series hydraulic presses with **four different power ranges, from 50 to 150 tonnes.**

Specifically designed to **perform work involving deep-drawing, stamping, die-cutting, forming, etc.**

The latest generation CM series hydraulic **presses now feature a wide range of uses including the possibility of incorporating these machines in automatic production lines.**

OPTIONAL ACCESSORIES:

- Mechanical regulation of the cylinder (only available of 80 and 100 tons).
- CNC SIEMENS con PLC mod. SIMATIC S7.
- Fast approaching speed of 80-200 mm/s by prefilling valves and side cylinders.
- Hydraulic cushion in different capacities.
- Hydraulic ejector placed at the upper or lower table or both.
- Cooling equipment for hydraulic group by an air-oil system.
- Geometry adapted to your needs.

CM-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.**

These models are equipped with a **mechanized lower and upper CK-42 stainless steel table with two "T" DIN-650 grooves.** **The upper table ensures perfect alignment by means of four cylindrical lateral rails** with anti-friction bimetallic caps which require no maintenance.

The cylinder is double acting with a lapping liner, chrome plunger and maintenance-free anti wear guides. **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.** **A pressure regulator placed at the front part 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 **low voltage electric pedals.**

Safety is guaranteed by the use of **two lateral protections and with level IV photoelectrical sensors** situated at the front.

They allow the installation of a hydraulic cushion or a **hydraulic ejector.**

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	Throat depth	Working speed	Approaching speed	Return speed	Maximum pressure	Piston stroke	Lower table	Upper table	Max. vertical light	Working height	Total front	Total lateral	Total height	Weight
	t	kw	mm	mm/s	mm/s	mm/s	bar	mm	mm	mm	mm	mm	mm	mm	mm	kg
CM-50	50	4	265	6.3	30	42	320	250	700x450	550x300	400	850	1.180	1.350	2.045	1.750
CM-80	80	5.5	290	5.7	28	40	320	250	700x500	600x350	400	850	1.230	1.500	2.060	2.180
CM-100	100	7.5	325	6.2	30	49	320	250	800x550	650x400	400	900	1.260	1.650	2.245	2.820
CM-150	150	7.5	375	4.0	26	40	320	250	900x650	700x450	400	950	1.400	1.850	2.390	3.850

ADVANCEMENT

HARDNESS STRENGTH CONTROL

VERSATILITY



CM-150 E
Load cells on upper and lower table.
Hydraulic cushion



CM-100 E
Indexed splitter plate with two
stations



CM-250 E
Throat depth of 1600 mm,
removable lower table

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 **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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