

HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

CM/NC-SERIES



CM/NC SERIES

Hydraulic presses with C-frame and upper table

We have designed the hydraulic presses of the CM/NC series with a range of four different powers ranging from 50 to 150 tons.

Specially designed for stamping, die cutting, and forming work. The latest generation CM series hydraulic presses have evolved into a versatility of uses, such as the possibility of incorporating these machines into automatic production lines.

They operate with hydraulic pressure below 320 BAR to ensure greater durability of the entire hydraulic system.

STRUCTURE AND TABLES

The CM series hydraulic presses consist of an electro-welded structure made exclusively of S355JR steel. It is stabilized and machined at the end of the welding process to ensure perfect parallelism and precision. Calculated and designed with finite element software. With all this, we always guarantee our high standards of precision and quality.

They are equipped with an upper table and a lower table made of C45E steel machined with DIN 650 slots. The upper table ensures perfect parallelism through two lateral cylindrical guides with a diameter of 50 mm with maintenance-free bimetallic bushings.

CYLINDER AND HYDRAULIC GROUP

Double-acting cylinder with seamless cold-drawn tube, chrome-plated piston, and maintenance-free wear-resistant guides.

Motorized hydraulic group with two speeds with automatic disconnection of the fast speed. Includes cylinder decompression valve.

OPTIONAL ACCESSORIES:

- 600 mm vertical light
- 800 mm vertical light
- 450 mm piston stroke
- SIEMENS PLC with 7" touch screen mod. MPT-700.
- Hydraulic cushion
- Hydraulic ejector
- Cooling equipment for the hydraulic group
- Remote connection router
- Industry 4.0
- Geometry adapted to your needs

ELECTRICAL INSTALLATION, CONTROL AND SAFETY

It incorporates a SIEMENS safety PLC model SIMATIC S7 1200 and a 4" touchscreen model MTP-400 located at the top of the electrical drive pedal as standard. It allows programming the operating mode in semi-automatic and automatic, the power, the stroke, and the dwell time of the upper cylinder. It has a storage capacity of 99 recipes, and all the aforementioned values can be programmed in each recipe.

The electrical panel incorporates a selector that allows choosing the type of work we want to perform in manual or automatic position and a key selector for maintenance work.

Electrical and hydraulic maneuvers are redundant and self-controlled. They incorporate an additional safety block and self-control devices for maneuver and safety.

To ensure safety, they incorporate type 4 PLe safety photoelectric barriers, located in the front working area, two fixed side protections, and a practicable protection with magnetic disconnection detector located at the rear with polycarbonate windows and interior LED lighting.

They allow the installation of a hydraulic cushion or ejector.

Complies with and satisfies all essential safety and health requirements according to CE regulations.

Supplied with an instruction manual.

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-50NC	50	5,5	265	9,9	45	60	320	250	700x450	550x300	400	850	1.180	1.350	2.045	1.750
CM-80NC	80	7,5	290	8	34	48	315	250	700x500	600x350	400	850	1.230	1.500	2.060	2.350
CM-100NC	100	13	325	4-9	40	62	319	250	800x550	650x400	400	900	1.260	1.650	2.245	3.150
CM-150NC	150	13	375	3-7	28	40	320	250	900x650	700x450	400	950	1.400	1.850	2.390	4.700

HIDROGARNE reserves the right to introduce modifications and improvements without previous notice.

ADVANCEMENT

HARDNESS STRENGTH CONTROL

VERSATILITY



SIEMENS NC mod.MTP-400



CM-400 E
For straightening rails.



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 25 countries all over the world.

We are backed by over 37 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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