

HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

CD/NC SERIES



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CD/NC SERIES

The hydraulic press models with motorized C-frame from the CD/NC series are designed with a range of four different powers ranging from 50 to 150 tons.

Specifically designed for stamping, die cutting, and forming work. The latest generation C-frame hydraulic press from the CD/NC series has evolved into a versatile machine, allowing for incorporation into automatic production lines. Operating with hydraulic pressure below 320 BAR to ensure greater durability of the entire hydraulic system.

OPTIONAL ACCESSORIES:

- Vertical light 600 mm.
- Vertical light 800 mm.
- Piston stroke 450 mm.
- 415 mm long folding tools set.
- Hydraulic ejector
- Cooling equipment for hydraulic group by an air-oil system.
- Remote connection router.
- Industry 4.0
- Geometry adapted to your needs

STRUCTURE AND TABLES

The C-frame hydraulic press from the CD/NC series consists 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 using finite element software. With all this, we always guarantee our high standards of precision and quality.

It has a lower table made of C45E steel machined with DIN-650 slots.

CYLINDER AND HYDRAULIC GROUP

Double-acting cylinder with seamless cold-drawn tube, chrome-plated piston, and maintenance-free wear-resistant guides. Equipped with a detachable and interchangeable ram foot to prevent piston damage and machined at the end to adapt tools, moulds, or dies.

It incorporates an anti-rotation system installed on the cylinder using a clamp and guide bar.

Two-speed motorized hydraulic group with automatic disconnection of the fast speed. Includes cylinder decompression valve.

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 manoeuvre and safety.

The operation is carried out by a two-handed level IV safety push button.

To ensure the safety of the C-frame hydraulic press, they incorporate fixed side protections with a front opening of 600 mm.

They allow the installation of a hydraulic cushion or ejector.

They are supplied with an instruction manual.

All our C-frame hydraulic press models comply with and meet all essential safety and health requirements according to CE regulations.

Model	Power	Motor power	Throat depth	Working speed	Approaching speed	Return speed	Maximum pressure	Piston stroke	Lower 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	kg
CD-50/NC	50	4	265	6,3	30	42	320	250	450x450	400	850	960	1.350	2.020	1.480
CD-80/NC	80	4	290	5,7	28	40	320	250	500x500	400	850	1.000	1.500	2.020	1.750
CD-100/NC	100	13	325	9 - 3	40	62	320	250	550x550	400	900	1.050	1.650	2.160	2.500
CD-150/NC	150	13	375	7 - 3	28	40	320	250	650x650	400	950	1.095	1.850	2.295	3.750

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

ADVANCEMENT

HARDINESS STRENGTH CONTROL

VERSATILITY



NC SIEMENS MOD. MTP-400



CYLINDER WITH ANTI-ROTATION

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WHOWEARE

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