

CM Series

Hydraulic presses with throat depth (C-frame) and top table

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.

This series works with hydraulic pressure lower than 320 bar to ensure the greater durability of the whole hydraulic system.



CM-100 model

CM-100 E. Indexed splitter plate with two stations.



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



CM-250 E. Throat depth of 1600 mm. Frontal sliding lower table.



Structure and tables

CM series hydraulic presses consist of an electro welded structure made solely of S355JR steel. They are stabilized and mechanized at the end of the structural welding process to ensure perfect parallelism and precision. Calculated and designed by finite software. With all this, we always guarantee our high precision and quality standards.

These models feature mechanized lower and upper C45E steel table with DIN-650 grooves. The upper table ensures perfect alignment by means of two cylindrical lateral guides of 50 mm diameter with maintenance-free anti-friction bimetallic caps.

Cylinder and hydraulic unit

The cylinder is double acting with a chrome plunger and maintenance-free anti wear guides.

A regulation panel with a millimeter frontal front and stroke endings comes 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 switch placed at the lateral part comes as standard which allows the regulation of the most appropriate pressure signal for each kind of pressing.

Glycerin gauge with reading in tonnes.

Electric installation and safety

The control panel features a switch enabling the user to select the desired type of work in manual, semi-automatic or automatic position and a switch to select either the fast speed or slow speed.

Electrical and hydraulic manoeuvres are redundant and self-controlled. They incorporate an additional safety hydraulic block and self-control devices for manoeuvre and safety. It includes the verification and certification of the correct operation and the safety distance for the safety light curtains.

Operation is carried out by low voltage electric pedals.

Safety is guaranteed using two lateral protections and with level IV safety light curtains placed at the front.

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

It meets and satisfies all the essential health and safety requirements in accordance with the CE standard.

They are supplied with an instructions manual.

Optional accessories

- Vertical light 600 mm.
- Vertical light 800 mm.
- Piston stroke 450 mm.
- Mechanical regulation of the cylinder (only available of 80 and 100 tons).
- PLC SIEMENS mod. SIMATIC S7 1200 with 7" touch screen mod. KTP-700.
- Hydraulic cushion.
- Hydraulic ejector.
- Cooling equipment for hydraulic group by an air-oil system.
- Geometry adapted to your needs.

CM Series		CM-50	CM-80	CM-100	CM-150
Power	Tn	50	80	100	150
Motor power	Kw	4	5,5	7,5	7,5
Throat depth	mm	265	290	325	375
Working speed	mm/s	6,3	6	6,2	3,9
Approaching speed	mm/s	32	25	31	20
Return speed	mm/s	42	36	48	31
Maximum pressure	bar	320	320	320	320
Piston stroke	mm	250	250	250	250
Lower table	mm	700x450	700x500	800x550	900x650
Upper table	mm	550x300	600x350	650x400	700x450
Max. vertical light	mm	400	400	400	400
Working height	mm	850	850	900	950
Total front	mm	1160	1210	1240	1330
Total lateral	mm	1290	1460	1590	1750
Total height	mm	2085	2090	2250	2395
Weight	Kg	1750	2350	3150	4700