

CD Series

Hydraulic presses with throat depth (C-frame)

We have designed the CD series 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 CD 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.



CD-80 model



Punching tool set for diameters of 6 to 100 mm.



Structure and tables

CD 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 of this, we always guarantee our high precision and quality standards.

These models feature a mechanized lower C45E steel table with DIN-650 grooves.

Cylinder and hydraulic unit

The cylinder is double acting with a chrome plunger and maintenance-free anti wear guides, it's fitted with a removable and interchangeable hold-down plate to avoid the deterioration of the plunger and mechanized at the end to adapt tools, molds and matrix.

Anti-turning of the cylinder with a millimeter frontal 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 or semi-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.

Operation is carried out by two-hand push button with level IV security.

Safety is guaranteed using two fixed lateral protections and with a front opening of 600 mm.

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.
- Punching tools set for diameters from 6 mm up to 40 mm with anti-deformation elastic hold-down.
- 415 mm long folding tools set. PROMECAM clamping system.
- Mechanical regulation of the cylinder (only available of 80 and 100 tons).
- Hydraulic ejector.
- Cooling equipment for hydraulic group by an air-oil system.
- Geometry adapted to your needs.

CD Series		CD-50	CD-80	CD-100	CD-150
Power	Tn	50	80	100	150
Motor power	Kw	4	4	5,5	7,5
Throat depth	mm	265	290	325	375
Working speed	mm/s	6,3	3,8	4,8	3,9
Approaching speed	mm/s	31	19	21	20
Return speed	mm/s	42	28	32	30
Maximum pressure	bar	320	320	320	320
Piston stroke	mm	250	250	250	250
Lower table	mm	450x450	500x500	550x550	650x650
Max. vertical light	mm	400	400	400	400
Working height	mm	850	850	900	950
Total front	mm	740	780	850	900
Total lateral	mm	1170	1330	1470	1660
Total height	mm	2080	2090	2155	2295
Weight	Kg	1480	1750	2500	3750