

CF Series

Hydraulic presses with throat depth (C-frame) for medium and high production

We have designed the CF series hydraulic presses with three different power ranges, from 80 to 150 tonnes.

Specifically designed to perform work involving deep-drawing, stamping, die-cutting, forming, etc. for medium and high volumes.

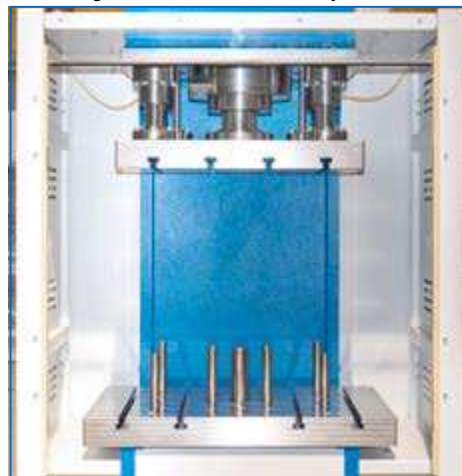
The latest generation CF series hydraulic presses now feature a wide range of uses including the possibility of incorporating these machines in automatic production lines.

This series works with hydraulic pressure lower than 290 bar to ensure the greater durability of the whole hydraulic system.



CF-80 model

Lower hydraulic cushion and ejector.



PLC SIEMENS mod. SIMATIC S7 1200 with 7" touch screen mod. KTP-700.



Structure and tables

CF 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 and upper C45E steel table with DIN-650 grooves. The upper table ensures perfect alignment by means of four cylindrical lateral guides of 50 mm diameter with maintenance-free anti-friction bimetallic caps.

Cylinder and hydraulic unit

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

For quick approaching and returning, 2 double-acting lateral cylinders with chrome plunger and anti-wearing guides have been installed, which allow us a fast approaching and return speed. Incorporates two independent hydraulic safety blocks.

A motorized hydraulic unit with a pre-filing valve for approaching and returning. Fixed flow rate pump for working at constant speed.

It is equipped with a directional valve, a pressure relief valve, a decompressing valve and an air-oil cooling system.

Glycerin gauge with reading in tonnes.

Electric installation and safety

A SIEMENS PLC mod. SIMATIC S7 1200 and adjustable control panel with 7" touch screen KTP-700 model comes as standard. It allows programming the power, the cylinder stroke and the speeds. With a storage capacity of 300 memories with different working cycles.

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 800 mm.
- Adaptations to robotics.
- Hydraulic connections for peripheral systems.
- Hydraulic cushion.
- Hydraulic ejector.
- Geometry adapted to your needs.

CF Series		CF-80	CF-100	CF-150
Power	Tn	80	100	150
Motor power	Kw	7,5	7,5	7,5
Throat depth	mm	340	375	400
Working speed	mm/s	9	8	5,1
Approaching speed	mm/s	108	108	69
Return speed	mm/s	155	155	101
Maximum pressure	bar	290	290	290
Piston stroke	mm	450	450	450
Lower table	mm	800x550	850x600	900x650
Upper table	mm	650x400	700x450	750x500
Max. vertical light	mm	650	650	650
Working height	mm	900	900	950
Total front	mm	1210	1240	1360
Total lateral	mm	2050	2340	2135
Total height	mm	2630	2625	2910
Weight	Kg	2850	3900	4100