

# HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

## CF/VR SERIES



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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.

## STRUCTURE AND TABLES

CF-series hydraulic presses consist of an electro welded structure made solely of ST-52.3 steel. They are stabilised and machined at the end of the structural welding process to ensure perfect parallelism and precision. Calculated and designed by finite software with level 5 structural resistance. With all of this, we always guarantee our high precision and quality standards.

These models are equipped with a mechanized lower and upper CK-45 steel table with four "T" DIN-650 grooves. The upper table ensures perfect alignment by means of four cylindrical lateral guides with anti-friction bimetallic caps which require no maintenance.

## CYLINDER AND HYDRAULIC GROUP

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

For quick approaching and returning, 2 double-acting lateral cylinders with lapping liner, chrome plunger and non-wearing guides have been installed, which allows us a fast approach and return speed.

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

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

These hydraulic presses work with hydraulic pressure lower than 290 bar to ensure the greater durability of the hydraulic system as a whole.

## OPTIONAL ACCESSORIES:

- Vertical light 800 mm.
- Adaptations to robotics
- Hydraulic connections for peripheral systems
- Hydraulic cushion
- Hydraulic ejector
- Remote connection router
- Industry 4.0
- Geometry adapted to your needs

## ELECTRICAL INSTALLATION, CONTROL AND SAFETY

It incorporates as standard an orientable control panel with a NC Siemens MTP-700 with a touch screen. It allows programming the power, the cylinder stroke and the speeds. With a storage capacity of 300 folders with different working cycles.

Electrical and hydraulic manoeuvres are redundant and self-controlled. They incorporate an additional safety 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 photocells.

Operation is carried out by low voltage electric pedals.

Safety is guaranteed by the use of lateral protections with polycarbonate windows, interior LED lighting and level IV photoelectrical sensors situated at the front.

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

They are supplied with a glycerin gauge with reading in tonnes, hydraulic oil and an instructions manual.

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

| 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     |
| CF-80/VR  | 80    | 7.5         | 340          | 5-9,7         | 162               | 230          | 290              | 450           | 800x550     | 650x400     | 650                 | 850            | 1.260       | 1.500         | 2.640        | 2.980  |
| CF-100/VR | 100   | 7.5         | 375          | 5-9,7         | 162               | 230          | 290              | 450           | 850x600     | 700x450     | 650                 | 900            | 1.310       | 1.950         | 2.790        | 3.820  |
| CF-150/VR | 150   | 11          | 400          | 5-7,3         | 148               | 215          | 290              | 450           | 900x650     | 750x500     | 650                 | 950            | 1.360       | 2.135         | 2.910        | 4.100  |

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

ADVANCEMENT

HARDINESS STRENGTH CONTROL

VERSATILITY



NC SIEMENS SIMATIC  
KTP-700 Touch Screen



Lower hydraulic cushion and ejector

# 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](http://www.hidrogarne.com)

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