

HIDROGARNE

Specialists in the manufacture of tailormade hydraulic presses

R SERIES



R SERIES

We have **designed** the **R-series** hydraulic presses **with six different power ranges, from 80 to 500 tonnes**.

Specifically designed **to perform work involving deep-drawing, stamping, die-cutting, forming, etc.**

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

R-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 two "T" DIN-650 grooves.** The upper table ensures **perfect alignment by means of four cylindrical lateral rails** with anti-friction bimetallic caps which require no maintenance.

Adjustments to the position of the upper table and changes in speed are controlled from a three-way **side panel.**

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

A two-speed motorized hydraulic unit with automatic high speed deactivation. It's equipped with a **cylinder decompression valve.** **A pressure regulator placed at the front part comes as standard** which **allows the regulation of the most appropriate pressure** for each kind of pressing.

OPTIONAL ACCESSORIES:

- Mechanical regulation of the cylinder (only available of 80 and 100 tons).
- CNC SIEMENS mod. SIMATIC S7 1200.
- Fast speed by prefilling valves and side cylinders.
- Hydraulic cushion in different capacities.
- Hydraulic ejector placed at the upper or lower table or both.
- Cooling equipment for hydraulic group by an air-oil system.

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

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 **level IV photoelectrical sensors** situated at the front of the equipment and **two practicable protection panels with a micro disconnection switch situated at the rear.**

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.**

All our hydraulic presses work with hydraulic pressure lower than 320 bar to ensure the greater durability of the hydraulic system as a whole.

Model	Power	Motor power	Working speed	Approaching speed	Return speed	Maximum pressure	Piston stroke	Guides diameter	Lower table	Upper table	Max. vertical light	Frontal light	Working height	Total front	Total lateral	Total height	Weight
	t	kw	mm/s	mm/s	mm/s	bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
RM-80	80	5.5	6	25	36	320	250	50	700x500	600x450	400	800	900	1.475	955	2.475	2.080
RM-100	100	7.5	6.2	30	48	320	250	50	700x500	600x450	400	800	900	1.525	955	2.555	2.340
RM-150	150	7.5	3.9	20	30	320	250	50	750x550	650x500	400	850	950	1.675	985	2.700	2.890
RM-220	220	11	3.8	17	30	320	300	60	800x600	700x550	500	900	1.000	1.875	1.095	3.045	4.680
RM-300	300	11	2.8	13	19	320	300	60	850x650	750x600	500	950	1.000	2.025	1.145	3.115	6.490
RM-500	500	15	2.4	10	17	320	500	80	1.000x850	900x800	700	1.150	1.000	2.580	1.400	3.250	14.750

ADVANCEMENT

HARDINESS STRENGTH CONTROL

VERSATILITY



RM-220 E with hydraulic cushion



RM-1000 E. Cold stamping
hydraulic press



RM-500 E with CNC and
hydraulic ejector



Interior detail

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 20 countries all over the world.**

We are backed by over **30 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

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