

sergiani range

hydraulic presses with electronic control



TECHNICAL FEATURES OVERVIEW

TECHNOLOGICAL ADVANTAGES

sergiani range
hydraulic hot press with manual loading/unloading

Structure quality

The sturdy structure has been engineered with a high safety coefficient to guarantee the highest level of resistance and rigidity in each processing phase.



Flatness control to protect press structure in case of loading error by the operator (optional).

Possibility to load on 3 sides, greater flexibility and ease of working.

Possibility to equip the press with intermediate platens to increase production capacity (optional).



Control panel with Siemens colour touch screen. The control panel is equipped with a software that allows to automatically calculate the hydraulic pressure, manage the heating system, carry out a complete diagnostic, program and save all working parameters. (optional)

Hydraulic cylinders

The steel rod is chromed with a thick layer and rectified, all gaskets are high resistance to guarantee long lifetime and perfect seal.



Automatic exclusion of a cylinder row

It allows to process small size panels avoiding use support panels (standard with 8-10 cylinders presses, optional with 6 cylinders version).



Double rack and pinion system connected by a torsion bar to grant a planar movement of the movable press platen.



Hydraulic unit, the heart of the press. It is featured with first-quality components to grant high efficiency and reliability over time. Double pump dipped in oil with automatic switch, to pass from high capacity and low pressure pump, to the second low capacity and high pressure pump.



Perimeter safety cable according to CE norms, it allows easily loading on 3 sides of the press.



TECHNICAL DATA

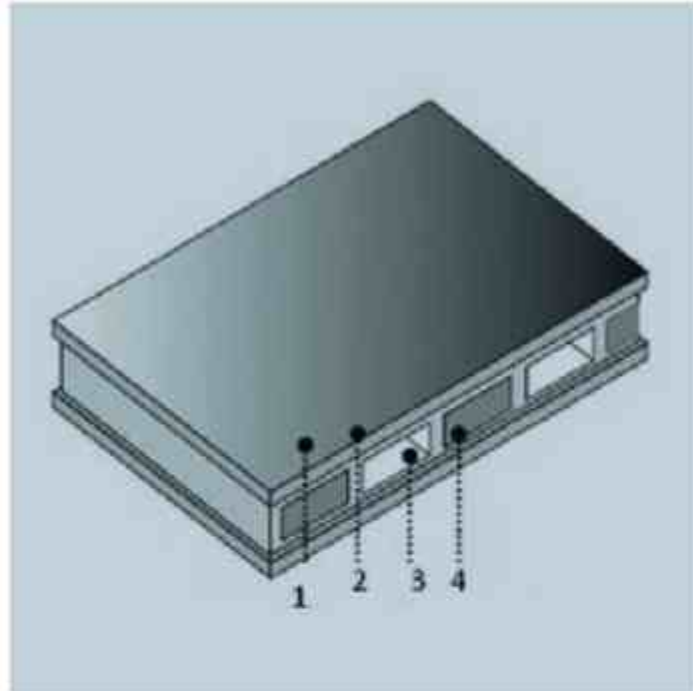
Model	Platens dimensions (mm)	N° of cylinders – diameter (mm)	Stroke/ opening (mm)	Thrust (ton)
gs 4/20	2500x1300	4 - 55	500/500	20
gs 4/60	2500x1300	4 - 70	400/400	60
gs 6/30	3000x1300	6 - 55	500/500	30
gs 6/90	2500x1300	6 - 70	400/400	90
gs 6/120	2500x1300	6 - 85	450/450	120
gs 6/120	2500x1600	6 - 85	450/450	120
gs 6/70	3000x1300	6 - 70	400/400	70
gs 6/90	3000x1300	6 - 70	400/400	90
gs 6/120	3000x1300	6 - 85	450/450	120
gs 6/90	3100x1300	6 - 70	400/400	90
gs 6/120	3100x1300	6 - 85	450/450	120
gs 6/120	3000x1400	6 - 85	450/450	120

TECHNICAL DATA

Model	Platens dimensions (mm)	N° of cylinders – diameter (mm)	Stroke/ opening (mm)	Thrust (ton)
gs 6/120	3100x1600	6 - 85	450/450	120
gs 6/90	3500x1300	6 - 70	400/400	90
gs 6/120	3500x1300	6 - 85	450/450	120
gs 8/160	3000x1300	8 - 85	450/450	160
gs 8/160	3100x1300	8 - 85	450/450	160
gs 8/160	3100x1600	8 - 85	450/450	160
gs 8/110	3500x1300	8 - 70	400/400	110
gs 8/160	3500x1300	8 - 85	450/450	160
gs 8/160	3800x1600	8 - 85	450/450	160
gs 10/200	3500x1300	10 - 85	450/450	200
gs 10/200	3800x1600	10 - 85	450/450	200

AVAILABLE VERSIONS

sergiani range
hydraulic hot press with manual loading/unloading

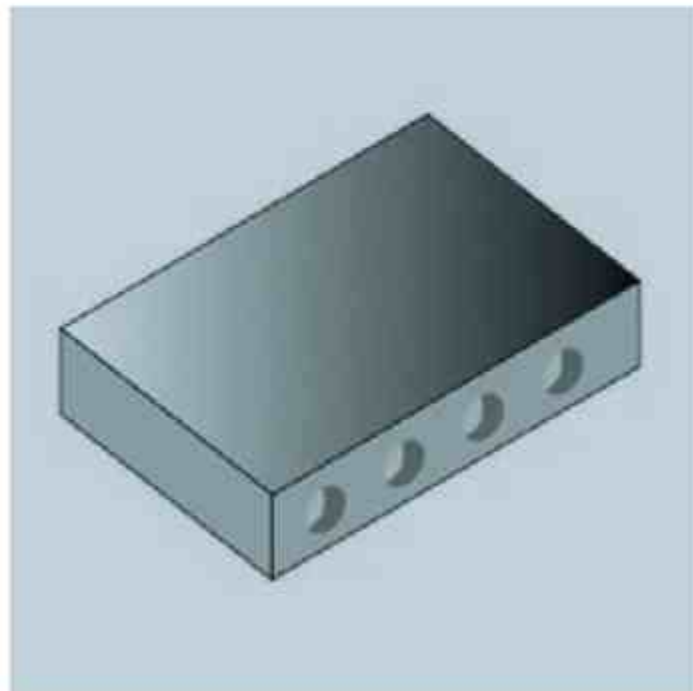


ASSEMBLED PLATENS VERSION

- Max. working temperature 120°C
- Max. specific working pressure 5 kg/cm²
- Heating fluid pressure 0,5 bar

It is composed by:

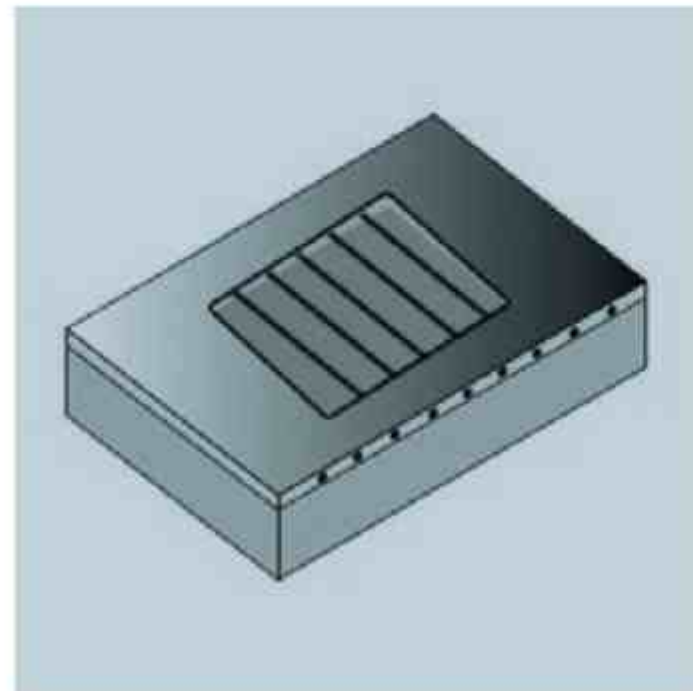
1. Aluminium sheet for a perfect surface finish and heating distribution;
2. Calibrated steel sheet;
3. Steel heating coil for heating fluid circulation;
4. Tubulars to guarantee the mechanical resistance uniformity of the platen.



SOLID STEEL PLATENS VERSION

- Max. working temperature up to 250 °C (as an option, standard 120°C)
- Max. specific working pressure 30Kg/cm²
- Heating fluid pressure 10 bar

The heating platens are made of steel drilled sheet of 40 mm width in order to ensure the heating fluid circulation. A mylar sheet protects the platen. On request it is possible to have rectified press platens to increase surface finish.



ELECTRIC PLATENS VERSION

- Max. working temperature is 120°C.
- Max. specific working pressure is 10Kg/cm².

The platen is made of a honeycomb panel and an aluminum sheet inside which the electric resistances are fixed.



HEATING INSTALLATIONS

- Version without heating generator: the press is supplied with an inlet manifold and an output one to be connected to the customer's heating system.
- Version with electric boiler for diathermal oil, complete of: pump for fluid circulation system and expansion tank. Maximum standard working temperature is 120°C, optional version 150°C -180°C-200°C (it includes an increase of boiler power, and heat reduction system).
- Version with electric boiler for water, it is complete of pump for fluid circulation system and expansion tank. Maximum working temperature is 90°C.



COLD PLATENS VERSION

- **PF Platens.**

PF platens version are composed by a fiber panel covered with an aluminum sheet.

- **PL Platens.**

PL platens version are composed by a machined iron sheet to ensure a perfect flatness of the working surface, increased sturdiness and long-lasting durability.



**WE HAVE THE POWER
WHEN IT COMES TO PRESSING**

THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND

Over 65 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

- 65 years history
- 3 main production sites in Italy
- 300.000 square metres of production space
- 20.000 machines manufactured per year
- 90% export
- 20 foreign branches
- 400 agents and dealers
- 500 support technicians
- 500 registered patents



In SCM's DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing industrial equipment and components for machining the widest range of materials.

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINES AND COMPONENTS

INDUSTRIAL MACHINERY

Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.



WOODWORKING TECHNOLOGIES



TECHNOLOGIES FOR PROCESSING
COMPOSITE MATERIALS, ALUMINIUM,
PLASTIC, GLASS, STONE, METAL

INDUSTRIAL COMPONENTS

Technological components for the Group's machines and systems, for those of third-parties and the machinery industry.



SPINDLES AND
TECHNOLOGICAL
COMPONENTS



ELECTRIC PANELS



METALWORK



CAST IRON



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