

# sergiani gs

press with electronic control and manual loading/unloading



\*Photo may include optional equipment

QUOTE #: 000000 DATE: 00/00/2019

## SERGIANI GS 6/120 31-16 PM



SCM is an industry leader for the production of industrial woodworking machinery, as well as for machinery that processes advanced materials, with brands specializing in specific technologies, present across 5 continents for over 65 years.

**65** years of history

**3** main production sites in Italy

**20** foreign branches

**300,000** square meters of production space

**17,000** machines manufactured per year

**90%** export

**350** agents and dealers

**500** support technicians

**500** registered patents

## THE MOST IMPRESSIVE DISTRIBUTION NETWORK IN THE WORLD



Dear CUSTOMER,

Thank you for your consideration in working with SCM. Attached is our proposal for the Sergiani GS hot press. If SCM has inadvertently omitted any portion or feature requested by the customer upon agreement, please contact SCM sales personnel for further clarification about this price quotation.

We appreciate your business and we look forward to hearing from you soon.

Sincerely,

Paolo Chiezzi  
**Product Manager**  
404-759-3549  
[pchiezzi@scmgroup.com](mailto:pchiezzi@scmgroup.com)

NAME  
AREA MANAGER  
PHONE  
EMAIL

**Equipment Finance:**

Blair Chandler  
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770-238-8500  
[bchandler@scmgroup.com](mailto:bchandler@scmgroup.com)




For all other general inquiries, please feel free to contact our offices below:

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**SCM West Coast**  
933 Sandhill Ave  
Carson, CA 90746  
Phone: 770-813-8818



## MAIN ADVANTAGES

	<b>FRAME</b> engineered with a high safety coefficient
	<b>HIGH-PRECISION MECHANICAL PROCESSING</b>
	<b>PERFECT FLATNESS CONTROL</b> due to 2 couples of racks, pinions and torsion bars

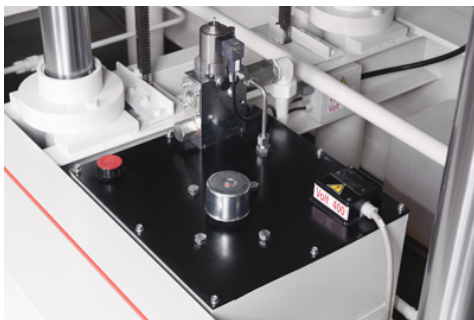
Model	Platens dimension (mm)	Total thrust (ton)	No. cylinders – Diameter (mm)
<b>GS 120 RANGE</b>			
GS 120 31-16	3100 x 1600	120	6 - 85

## CONSTRUCTIVE FEATURES

Structure made of welded and normalized steel beams.  
 The constructive design guarantees the highest level of resistance and rigidity in each pressing phase for obtaining the best gluing quality of the pressed product.  
 The components are all machined on cnc machining centers to grant the three-dimensional verticality of the structure and then assembled on precision templates.

## HYDRAULIC UNIT

It consists of a double pump and related electric motor dipped in hydraulic oil for a longer life and lower levels of noise.  
 The first pump has a high capacity and low pressure for a fast platen closing with exchange valve to switch quickly to the second high pressure pump.  
 To ease check and maintenance operations all the groups are in a single unit: high and low pressure pump, oil filter, control and safety valves.  
 The cylinders are stress relieving treated to eliminate the mechanical stress created during welding. The alloyed steel rod is chromed with a thick layer and then rectified. Assembling is carried out with particular care and constant control of the dimensional tolerances.  
 High resistance gaskets to grant a perfect and long lasting seal over time.  
 The large dimensions special flanges grant a perfect guide of the rod even at its maximum stroke.



The press is equipped with a mechanical system with 2 couples of racks, pinions and torsion bars for a perfect longitudinal and transversal control of the mobile platen movement.

It is furthermore provided with adjustable side guides, for the sliding of the platen.



Model	Standard Boiler
<b>Assembled platens</b>	
GS 120 31-16	39 kW

### OPERATOR PANEL – DIGITAL VERSION - OPERATOR PANEL with display and keyboard

Siemens control panel with 7" color touch-screen.

The system is equipped with a dedicated software that makes the use of the press easy and immediate.

The following parameters can be programmed with the possibility of recall and modify them:

- Automatic adjustment of hydraulic pressure according to the panels size and the required specific pressure. The system automatically adjusts the cylinders pressure and the operator does not need to make any calculations based on graphs or tables. Possibility to save up to 100 working recipes (e.g. temperature, specific pressure, timer for pressing and panels dimensions);
- Direct setting of cylinders hydraulic pressure with digital control based on the chart. The system can be used as alternative to the automatic pressure regulation for those who want to work with the traditional method;
- Electronic adjustment of the pressing time (which can be excluded);
- Electronic control of platens temperature (only for BO and BA version);
- Possibility to automatically partialize the boiler electricity consumption when the temperature set has been reached, only for presses with electric boiler superior to 18kW;
- Possibility to automatically exclude a row of pressing pistons, depending on the dimension of the elements to be pressed (standard function on presses with 8 - 10 cylinders, optional function on presses equipped with electric exclusion);
- Programming of the boiler starting time for every day of the week (only for BO and BA version);

Furthermore the following functions are available:

- Automatic pressure reset based on the material settlement;
- Complete diagnostic and failures reporting with messages on the display. The system controls the main components of the press and reports the malfunctions that may occur for a quick and easy trouble shooting and working out.



## OTHER EQUIPMENTS AND FEATURES OF THE PRESS

Lifting hook for an easy machine loading/unloading during transport.

Levelling devices mounted at the feet of the press.

Electrical cabinet integrated into the press, reducing external cables which are anyway adequately protected.

**Production code: SERGIANIGS120**

**EP.01.41 Electric cabinet execution according to UL CSA regulations**

**RP.00.58 Sergiani GS 6/120 31-16 PM (6 cylinders D.85 mm - 120 ton. - platens from 3100x1600mm)**

### Solid platens features

120°C oil maximum working temperature

**N.  
1**

Standard opening 400 mm

## SOLID STEEL PLATENS

The heating platens are made of S 275 JR steel and are machined with cnc machining centres for an excellent three-dimensional perpendicularity.

Platen drilling made on special drilling centres which ensure the perfect straightness of the drill, in order to realize the heating fluid circuit. When drilling, a cooling system is used to avoid the overheating of the platen.

Working surface with an optimized roughness degree to grant the best quality of the pressed product surface.

The thermal insulation panel is positioned between the heating platen and the press structure.

The working surfaces of the platens are protected with a MYLAR sheet fixed through proper mechanical devices allowing the correct tension and an easy replacement of the same.

The heating platens are fixed to the press platens through proper tie-rods to allow the thermal expansion and to ease the maintenance and replacement interventions.

Maximum specific working pressure is 30Kg/cm<sup>2</sup>

**93.07.37 Volt 460**

- EP.03.46 Digital control panel
- EP.01.80 Left row cylinders exclusion
- EP.01.85 Electronic Flatness Control
- EP.I0.06 Marithime packing
- EP.03.43 Oil boiler 3100x1600 version

#### Oil boiler features

#### VERSION WITH ELECTRIC BOILER FOR DIATHERMAL OIL

Max. working temperature is 120°C.

The press is provided with an installation including:

- Battery of electric resistors, composed by an independent unit, for the diathermic oil heating with protection against short-circuits. The resistors and the body of the boiler are made of steel with galvanic treatment for superficial protection. The body of the boiler is covered with thermal insulation;
- Pump and oil circulation system with safety device to protect the resistors in case of shut down of the pump;
- Electronic control of the circulation system according to different environmental conditions for a longer life of resistors;
- Expansion tank with bleed air valves and safety valves. The expansion tank and the pipes are made with specific materials for heating installations selected among the best brands;
- First COMPLETE filling of diathermic oil included in the supply;
- Electronic and electromechanical power drives;
- Electronic control of the circulation system according to different environmental conditions, for protection and longer life of resistors;

#### PRICE

Machine Price: \$

Delivery: **FOB Duluth, GA or Carson, CA**

Installation: **Not Included**

#### Terms of Payment:

Terms of payment offered, or any terms agreed upon, are subject to credit approval. This offer is subject to SCM NORTH AMERICA General Terms and Conditions of Sale. Offer is subject to prior sale of the equipment. Quote expires in 30 days. Price quoted is for the machine as described above and is subject to change if the specifications for the machine are changed at the request of the buyer.

#### Shipment:



Shipment is subject to delay should changes be made to meet the requirements of purchaser from manufacturer's design specifications stated herein.

## Tooling:

Tooling is not included. Upon request, we can supply a quotation on the most suitable tools required for use on this machine.

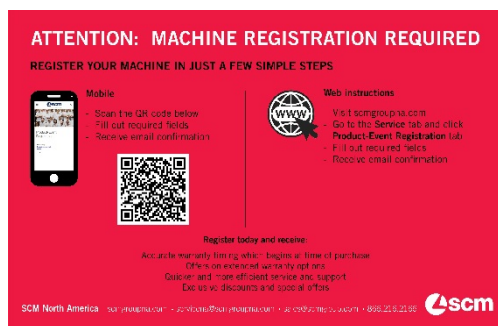
## Installation, Training, Service Rates and Conditions:

Installation, when purchased, will be performed by an SCM factory trained service technician or Certified Dealer Technician. Installation is to be understood as the assembly of the machine to the 'ready-to-run' state; it does not include floor, masonry work, the running of electrical, pneumatic or dust extraction services to the site. Training will be conducted on site by the service technician after installation has been completed.

SCM is committed to maximizing your production time. Your machine may be preselected to contain automatic maintenance reminders. You can contact SCM North America Service Department at 866-216-2166 if and when you receive a maintenance message.

## Product Registration:

Upon arrival of your machine, locate the red label with instructions on how to register your machine.



**ATTENTION: MACHINE REGISTRATION REQUIRED**  
REGISTER YOUR MACHINE IN JUST A FEW SIMPLE STEPS

**Mobile**  
Scan the QR code below  
Fill out required fields  
Receive email confirmation

**Web Instructions**  
Visit [scmgro.pva.com](http://scmgro.pva.com)  
Go to the Service tab and click Product Event Registration tab  
Fill out required fields  
Receive email confirmation

**Register today and receive:**  
Accurate warranty timing which begins at time of purchase  
24hrs on demand service options  
Quicker and more efficient service and support  
Exclusive discounts and special offers

SCM North America | [www.scmgroup.com](http://www.scmgroup.com) | [sales@scmgro.pva.com](mailto:sales@scmgro.pva.com) | 866.216.2166

## Warranty:

SCM warrants that the machinery will be free of defects in workmanship and materials for a period of one (1) year beginning on the date the machinery is accepted by the customer. This warranty includes belts, bearings, and common electrical parts, which carry a six-month warranty. This warranty does not include parts consumed during normal operation (wearable items) or maintenance required in the ordinary course of operation.

# SERVICE & SPARE PARTS

A CONTINUOUS COMMITMENT TO PROTECT YOUR INVESTMENT

Visit our website at [www.scmgroupspareparts.com](http://www.scmgroupspareparts.com)

SERVICE

Email us at [service@scmgroup.com](mailto:service@scmgroup.com)

SCM provides a service that goes beyond the purchase, to guarantee the long term performance of your technological production system and peace of mind for your business.

### A COMPLETE RANGE OF AFTER-SALES SERVICES

- Installation and start-up of machines, cells, lines and systems
- Tailored training programs
- Telephone support to reduce times and costs when machines are experiencing down time
- Preventive maintenance programs to guarantee long term performance
- Complete renovation of machines and plants to renew the added value of your investments
- Custom upgrading to update machines and plants to meet new production requirements

SPARE PARTS

20 31-16 PM | QUOTATION #

Email us at [spareparts@scmgroup.com](mailto:spareparts@scmgroup.com)

**Parts Pronto – your one-stop shop for all spare parts and service needs [www.scmgroupspareparts.com](http://www.scmgroupspareparts.com)**

SCM has 140 spare parts professionals worldwide to meet any request with real-time shipments.



Our spare parts inventory, with a value of 15 million dollars, covers every single machine.



Spare parts guaranteed: we guarantee also hard to find parts, with 3.5 million euros invested in “critical” spare parts.



Immediate availability: over 90% of orders received are carried out the same day thanks to the huge inventory available.



6 branches around the world: The spare parts service can count on worldwide support (Rimini, Singapore, Shenzhen, Moscow, Atlanta, Sao Bento do Sul).



500 shipments a day





# Equipment Finance Application

Company Name: \_\_\_\_\_ Email Address: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Years in Business: \_\_\_\_\_

Address of Equipment location: \_\_\_\_\_

Company Website: \_\_\_\_\_ Tax Exempt  Yes  No Fed ID #: \_\_\_\_\_

Check One:  Corp.  LLC  Partnership  Sole Prop. State of Incorpor: \_\_\_\_\_

**Bank: Include copy of first page of Company's most recent 3 months bank statements**

Vendor Name: \_\_\_\_\_ Contact: \_\_\_\_\_ Equipment Cost: \_\_\_\_\_

Equipment Description (attach sales order if available): \_\_\_\_\_

**Please complete the following information, and signature, of each officer:**

1) Owner's Name: \_\_\_\_\_ Title: \_\_\_\_\_

Social Security Number: \_\_\_\_\_ % Owner: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

2) Owner's Name: \_\_\_\_\_ Title: \_\_\_\_\_

Social Security Number: \_\_\_\_\_ % Owner: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

3) Owner's Name: \_\_\_\_\_ Title: \_\_\_\_\_

Social Security Number: \_\_\_\_\_ % Owner: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

I hereby certify that the information contained in the lease application is true and accurate and I hereby authorize our banks, trade references and financial institutions the right to release credit information. In states where permissible, I hereby authorize the filing and recording of UCC financing statements showing the Secured Party's interest in the equipment and grant the Secured Party's right to execute lessee's/debtors name thereto. A photocopy of this authorization shall be as valid as the original.

Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

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Visit our website for more information  
and to view our online application:  
[SCM Equipment Finance](#)

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