



Gabbiani S95 (3800) – Front Load Panel Saw

GENERAL FEATURES:

Automatic horizontal high performance panel saws controlled by PC/PLC control system, designed to cut to size solid wood panels, chipboards, MDF panels, multilayer panels, plywood panels and fiber panels.

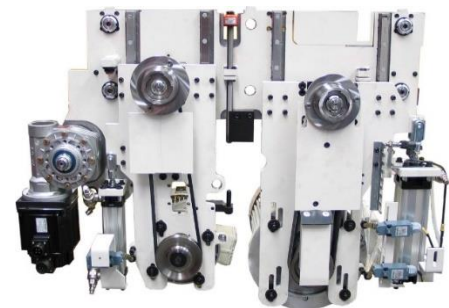
Base and working table

- base with tubular steel structure
- worktable in reinforced ribbed steel and bakelite coated
- squaring fence located on the left side

Steel saw blade carriage

complete with

- 1 motor for the main saw blade and 1 motor for scoring blade
- vertical saw blade raising on prismatic guideways with recirculating ball bearing
- sliding wheels in hardened and ground steel
- massbalancing to guarantee perfect cutting finish
- stroke against the squaring fence
- saw carriage driven by rack and pinion
- Blades unlocking



Pressure beam

- pressure beam with even pressure on entire cutting length, equipped with slots to eliminate the interference zone with the clamps ; pneumatic vertical adjustment with precision racks and pinions, pressure adjustable from 1,5 to 6 bar
- Pressure beam sliding on prismatic guideways and recirculating ball bearing
- double dust conveying system: one on the top applied directly to the pressure beam to keep the working table clean and one on the bottom applied to the saw carriage

Pusher and rear machine part

- power-driven pusher for the entire machine stroke with movement by a robust torsion bar. Shaped steel beams on **"H" support** for pusher movement. Sliding takes place on 2 precision pinions to guarantee that the pusher and the cutting line are constantly parallel. The pusher is driven by a brushless motor to allow a variable speed positioning and quick return. Continuous speed adjustment until 0 and more performances without any maintenance.
- pressure adjustment for clamps locking
- rear part with tubular supports with wheels made of antiscratch material and with a bakelite-coated table (470 mm width) positioned on the squaring fence side to facilitate crossways cutting of thin strips.
- 1 row of rear closing panels with grid



CNC CONTROL UNIT

Control System with PC and PLC "M258"

Console with integrated PC "eye-M"

Device connected to the CNC machine which allows the usage of the supplied software's.

- It is equipped with (minimum features):
- Industrial PC (PC panel): "Fanless" construction";
- IP53 grade protection (IP65 on the front side)
- LCD color display: 21.5" screen size; Full HD display resolution; 16/9 format; LED Background lighting; capacitive multi-touch system with 10 points of contact; visual angle 176° Horizontal/160° Vertical; "Zero Pixel Defect" quality granted
- Processor type: Intel Pentium- 2.9GHz
- RAM memory: 8GB
- Hard disk: 256 GB; SSD
- O.S.: Windows 10 - 64bit
- Keyboard type: QWERTY English layout
- Mouse: wired – 3 functions
- Ethernet port: RJ45
- USB port: 1 available, 3.0 protocol supported
- Nominal operating temperature: +5°C / +35°C



SAFETY REGULATIONS

- safety enclosures fixed to the machine
- electrical board with high safety features, complete with:
 - * dust-proof cabinet with padlockable main switch
 - * overload motor protection
 - * auxiliary low voltage circuit for the commands, the electronic controls and low voltage signals
 - * safety micro switch on blade access door
- emergency bar on cutting line
- front safety protection with plastic fingers with compass movement

Production code: GABBIANI S95

101985 "USA" VERSION N. 1

R02153 gabbiani s 95 (38) N. 1
Cutting dimensions 3800 x 3200 mm

MAESTRO ACTIVE Human-Machine interface software (HMI) N. 1



Maestro active is the new interface software (HMI) which has been **unified across all SCM technologies.**

A single operator can easily and confidently run multiple SCM machines, reducing operator training times and facilitating entry into production.

Maestro active has been specifically designed and optimized for immediate use via touch screen. Graphics and icons have been redesigned for simple and comfortable navigation.

Maestro active cut is the innovative specifically addressed software to SCM single blade beam saws. It is characterized by the following functions:

- **Reporting system:** Maestro active can provide the following reports: production report, alarms, event, and maintenance reports;
- **Maintenance support:** Maestro active indicates the maintenance operations to be carried out on the machine, connecting them to the relative procedure;
- **Diagnosis system:** Maestro active detects and displays alarms and warnings; offering help to eliminate the current error;
- **User management;**
- **Machine records;**
- **Three different working modes: manual, semi-automatic and automatic;**
- **Advanced file browsing system for lists and single programs loading, also through barcode (Sorting, Preview, Filters);**
- **Advanced cutting patterns editor;**
- Paddle (command virtual keyboard);
- Display of the machine's moving parts dimensions;
- Tools and materials file management;
- Simulator on board machine;
- **Backup function and import data;**
- **Monitoring system integration (if allowed by the type of machine);**
- **A mature and advanced environment for pieces' labeling, with the possibility of previews during editing and the execution of cutting patterns.**

Maestro pattern

N. 1

Optimisation cutting software

Maestro pattern: optimisation program installed on the machine and managed by PC. The operator can obtain cutting diagrams starting from the origin panel to arrive at a finished one without typing any cutting instruction.

Maestro pattern generates optimised cutting layouts which are automatically converted into cutting programs without the operator having to type any cutting instruction. When the optimization process is over, the cutting program related to the to the cutting layout created by **Maestro pattern** is automatically saved in Maestro active cut program directory, the cutting management software. The program can manage a small panel stock.

Technical data:

- 2 panels stock
- 5 format type for each material
- Max. 30 lines per program
- Max. number of pieces per line: 500
- Cutting levels: rip cut (Y), cross cut (x) and third cut (z)
- Pre-cutting management
- Stock management interfaced with Maestro active cut
- Statistic report: % of waste trim - cuts panels, number of used panels, number of processed panels
- Graphic display of the produced cutting diagrams
- 8 fields of information import for labelling machine (material, type, colour, thickness, width, length, code, description, 4 edge fields)
- File XLS import >= Excel 97 (optional with Maestro pattern import)
- Possibility to use even from the office (second key is mandatory)

930735	VOLT 230	N. 1
931501	Frequency 60 hz	N. 1
	Console with integrated PC "eye-M"	N. 1
990051	P.C. Language	N. 1
111174	Voltages other than 400EU/50 HZ	N. 1
590106	Cutting depth 3800 mm (for Version 38)	N. 1

- 580457** **Fixed air floating table with fence 2500x600 mm with rollers and enlarged fan** **N. 1**
 with a higher number of air cushion outlets for the best movement also with heavy or delicate panels.



- 580458** **Mobile air floating table 2500x600 mm with rollers and enlarged fan** **N. 2**
 with a higher number of air cushion outlets for the best movement also with heavy or delicate panels.



- 590210** **Double powered side alignment device, 2200mm stroke** **N. 1**
 Driven by rack and pinion. The side alignment device slides on prismatic guideways with recirculating ball bearing.
 2200 mm stroke
 * minimum width 60 mm
 * maximum width 2200 mm
 The device is equipped with brushless motor and it allows the control of the pressure on the workpiece



301230 Start/Stop cycle pedal **N. 1**
 to allow to start/stop the cycle with large panels on the front tables



450206 Execution of grooves with manual height setting of main blade **N. 1**
 Max. height: 35mm

590217 Grooves execution, sawblades carriage (feed/return) **N. 1**

G20045 24 Hp - 60Hz main blade motor with star-delta start **N. 1**

450500 Carriage with independent raising of main sawblade and scoring blade **N. 1**
 Automatic exclusion of scoring unit is included.
 * scoring blade 200 mm diameter - spindle 80 mm diameter, rotating speed 4200 rpm



590154 Blades unlocking with pneumatic selector **N. 1**



590310 SAW SET device for the automatic adjustment of scoring unit and main blade **N. 1**

The device also includes the electronic adjustment of scoring unit.
The SAW SET device automatically carries out a fast and precise setting of the tools and doesn't need any test cutting.

[SAW SET Device Link](#)



G00169 Optimised blade/pressure beam stroke with selflearning + rod lock (not with "HI-TRONIC") **N. 1**

This device allows the optimising of the blade and the pressure beam stroke according to the book height, in order to obtain a better cut and a lower execution time. The presence of the panel is reported during the pressure beam down stroke, allowing the pre-positioning of the saw carriage.

A mechanical device locks the position of the blade according to the height of the book to be cut (suitable for cutting).



590195 Automatic measures of panel size **N. 1**

In semi-automatic cycle, it measures the panel width/depth and detects its position on the machine cutting line

590183 **Pusher guides for version 38**
Pusher sliding prismatic guides

N. 1



900088 **Magnetic band**
The pusher positioning is electronically controlled through a magnetic band

N. 1



590073 **High Speed**
This device allows 70 m/min pusher speed and 0-135 m/min saw-carriage speed.

N. 1



590017 **Extra clamp each**

N. 3



590261

Cut editor

N. 1

Labels printing software

- Software operating on board machine to create labels by means of graphic editor;
- Possibility to insert "company logos" (white and black bitmap format), descriptive fields and bar codes for the panel identification and the following machining;

Graphic Editor

- Software integrated in the machine managing program with guided help for the operator when creating cutting diagrams;

Panels Editor

- Software integrated in the machine program for the manual filling of the cutting scheme. Workpiece introduction from data base and external files. Setting of trim cuts to be carried out on the panel;

Cutting editor for figured panels (flame-cut):

- Help function for programming cutting diagrams with shapes organized according to the layouts on the origin panel;

Semi-automatic Macro

- Intuitive and graphic mode to execute some machining.



590263

Cut manager

N. 1

Simulator for cycle-time calculation

- Simulated execution of the cutting diagrams of single or multi-orders, to verify the machine cycle time needed. It includes 2D instantaneous simulation.

Priority-based and date-based scheduling of the order

- Function which permit to the operator to assign priority-based or data-based execution of cutting diagrams, in order to submit them automatically at the deadline.

Advanced report

- easy and comprehensible sequence visualisation of the occurred events (timeline).



590264 Maestro pattern import N. 1

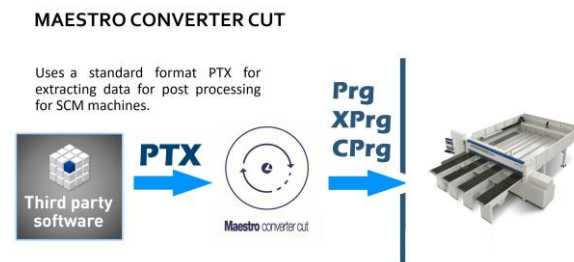
This functionality allows importing from an Excel file all data related to the pieces of a cutting list belonging to only one material to Maestro pattern environment.

For each piece can be imported:

- 11 fields (code, description length, width, quantity, grain, 4 edge fields);
- File XLS import > = Excel 97.

590266 Maestro converter cut N. 1

Conversion utility from PTX format into XMix and XPrg machine format. This application automatically allows to convert a PTX file rel.1.14 (standard format for interchange optimization patterns) into programs that can be executed directly on board machine.



590274 Maestro connect: complete hardware + 1 year subscription service N. 1

Maestro connect is able to offer customized services through the use of an Industrial IoT platform that supports the daily activities of the Customer, improving availability and use of machines or systems.

Maestro connect displays, analyzes and monitors all data coming from connected machines, transforming them into useful information to increase productivity, reduce operating and maintenance costs.

083943 Pallet for Version 38 N. 1

109991 Machine language: ENGLISH N. 1

TECHNICAL DATA

Gabbiani S 95

GENERAL DATA		
Blade projection	mm	95 (3.74")
Worktable height	mm	950 (37.4")
Standard clamps	q.ty	5
Total clamps for 38 version	q.ty	8
CUTTING DIMENSIONS		
Version 38	mm	3800x3800 (149.6"x149.6")
AXES SPEED		
Variable saw carriage speed	m/min	0-135 (0-443 ft/min)
Variable pusher speed (**)	m/min	70 (229.7 ft/min)
MAIN SAW BLADE		
Motor power – 60hz (star-delta start)	Hp	24
Rotating speed – 60 hz	rpm	4680
Blade diameter	mm	380 (14.96")
Blade shaft diameter	mm	80 (3.15")
SCORING SAW BLADE		
Motor power – 60 hz	Hp	3
Rotating speed – 60 hz	rpm	4200
Scoring saw blade diameter	mm	200 (7.87")
Scoring blade shaft diameter	mm	80 (3.15")
INSTALLATION		
Installed motor power	kW	12÷21
Machine voltage		230 V / 60 hz
Compressed air consumption	NL/min	300
Requested operating pressure	bar	7
Extraction flow rate	m ³ /h	4060
Exhaust speed	m/sec	20
Exhaust outlet diameter	mm	3x120 + 1x150

(**) N.B. For CE-Countries the forward feed speed pusher is limited to 25 m/min

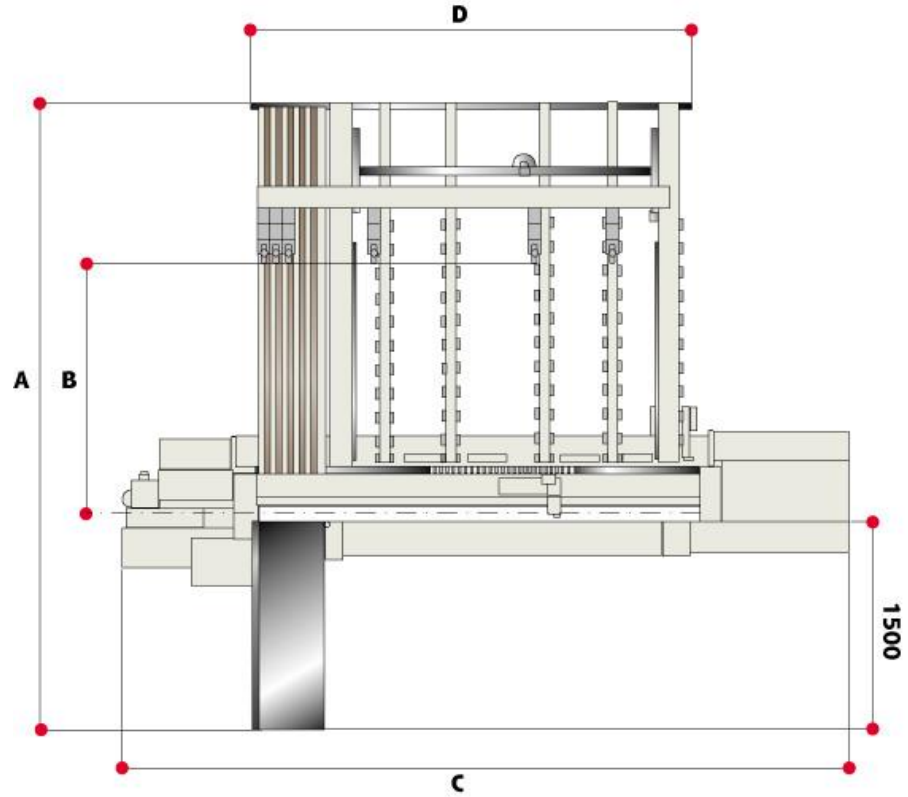
Gabbiani S95
3800x3800mm

A – 6800mm (267.7”)

B – 3800mm (149”)

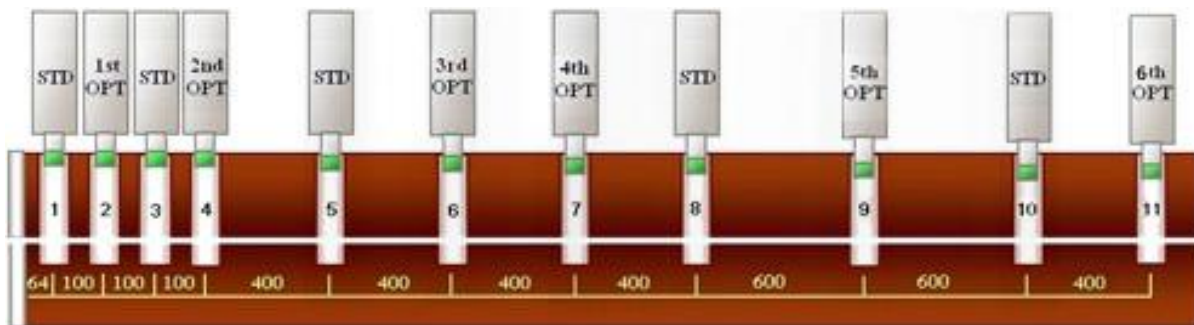
C – 6400mm (252”)

D – 4300mm (169.3”)



DRAWING OF CLAMPS POSITIONING
Gabbiani S95

Machine with cutting length 3800mm



DIGITAL SERVICES

A WORLD OF SERVICES, TO BE ALWAYS AT YOUR SIDE

MAESTRO CONNECT

Connect your machine and gain access to a world of services



Connecting your machine through Internet of Things (IoT) Technology Maestro Connect will subscribe you to a program of fast-evolving services.

You will access a wide range of benefits that go beyond the machine experience and will support and assist you through the whole life-cycle of your machine.

Maestro Connect is an enabling technology that helps our customers move forward to transform their business operations.

Maestro Connect offers customized services through the use of an Industrial IoT platform that supports the daily activities of the customer, improving availability and use of machines or systems.

Maestro Connect displays, analyzes and monitors all data coming from connected machines, transforming them into useful information to increase productivity, reduce operating and maintenance costs.

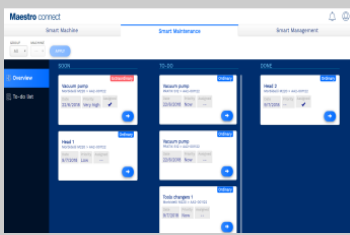
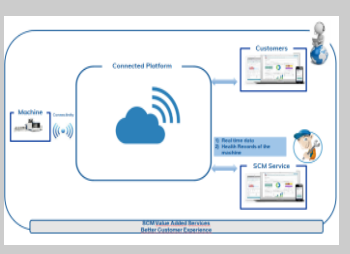

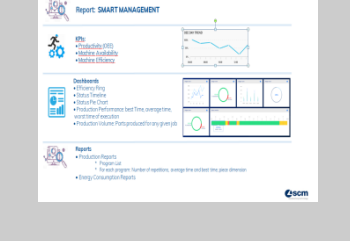
The subscription includes:

- Subscription to 1-year cloud services
- IoT Cloud level where data is aggregated
- Database on Cloud (DataLake) to store and analyze the detected data
- Web App for smart device on which you can view reports on the machine operations, analyze its productivity, check the status and manage the maintenance.

***All digital services are available by subscription**

Among the benefits you will access:

MAIN BENEFITS

	<h3>PREVENTIVE MAINTENANCE</h3> <p>Prevent failures through <i>automatic maintenance notifications and scheduling</i>. Automatic and periodic maintenance notifications allow timely planning and better maintenance work organization, including service scheduling in advance and routine maintenance planning.</p>
	<h3>REDUCTION IN PROBLEM DIAGNOSTIC TIME</h3> <p>Maestro Connect makes SCM machines even more valuable bringing the interaction between customer and service to a higher level.</p> <p>Maestro Connect allows the SCM Service to have access to REAL TIME DATA and HEALTH RECORDS of THE MACHINE so that Service can improve its performance by carrying out tasks faster.</p>
	<h3>STRONG REDUCTION IN MACHINE DOWNTIME through:</h3> <ol style="list-style-type: none"> 1) Everywhere and at any time information. Immediate instant notifications in case of alarms or downtimes allow customers to immediately take action thus optimizing productivity. 2) Functions for quick problem resolution like SPARE PARTS SUGGESTIONS and SELF LEARNING VIDEOS 3) FASTER SERVICE INTERVENTION. A direct line with SCM telephone support: Click to Call allows the opening of an assistance request directly from the App. The button will call the Service number of the local country according to the service contract in place.
	<h3>IMPROVE PERFORMANCE THROUGH CUSTOMER AWARENESS</h3> <p>Reports and KPIs allow further analysis thus increasing Customer Knowledge about his performance and results.</p> <p>Suitable tools for observing actual production data are given in order to identify any production defects and plan corrective actions.</p>

*All digital services are available by subscription

Maestro Connect is accessible from any PC or *smart device* and includes the following three sections:

SMART MACHINE: for monitoring machines and main components

SMART MAINTENANCE: for maintenance support services

SMART MANAGEMENT: for the control of the main performance indicators

SMART MACHINE: Section dedicated to the **continuous monitoring of machine operation**, with information about:

- **Status:** overview of machine status both *live* and historical. The provided representations allow the checking of the machine availability to identify possible bottlenecks in the production flow. For each state it is possible to obtain a detail of the causes that triggered it (by displaying, for example, the alarms descriptions that stopped the machine);
- **Monitoring:** instantaneous and *live* visualization of the machine operation and its critical components (electro-spindle, vacuum pump, etc.), running programs and potentiometers;
- **Production:** list of machine programs performed within a specific time frame with *best* time and average execution time;
- **Alarms:** active and historical alarms and *warnings*.

Periodically, the collected information is sent to the user via *push* notifications (via mail and mobile App).

SMART MAINTENANCE: Section dedicated to:

- **Programmed scheduled maintenance**
- Identification of the **extra unplanned maintenance**

Programmed maintenance can be scheduled through Smart Maintenance to have a better control on the machine maintenance status. This can lead to:

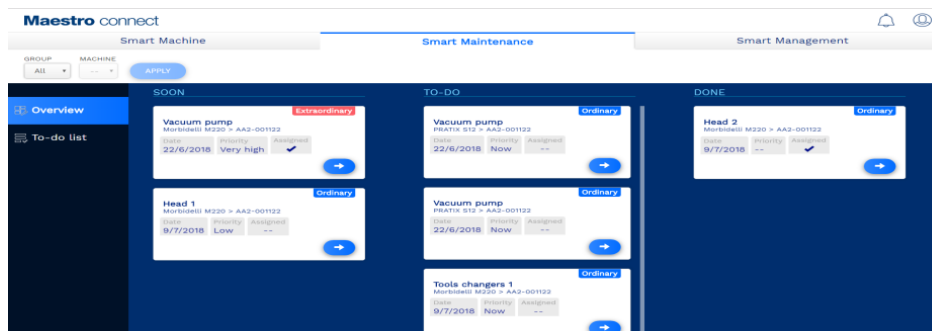
- Decrease in unplanned maintenance work
- Improving the product quality, monitoring that the machines and equipment operate in optimal conditions

The request of the **extra maintenance** is opened in a classical way in case of an existing service contract through a "ticket" at the SCM Assistance Service. Maestro Connect makes the support intervention by SCM to the customer more precise and faster, providing a constant flow of data from the machine to the service.

Functions available for maintenance management

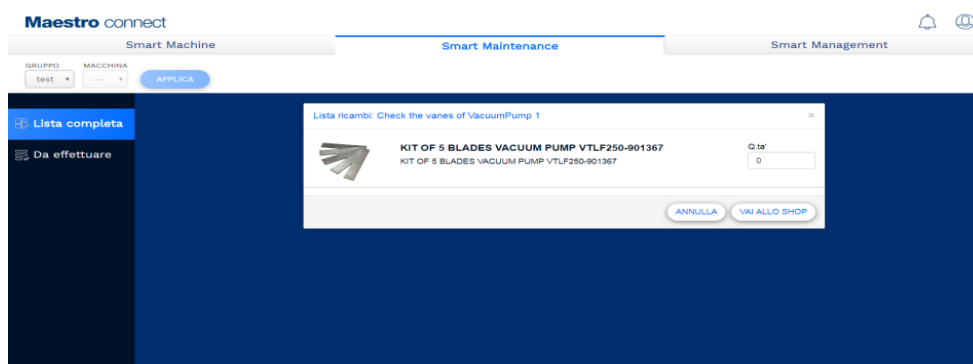
Maintenance check: a *push* notification will plan the scheduled maintenance operations in the system and will regularly report to the customer all the deadlines and maintenance interventions related to the SCM machine.

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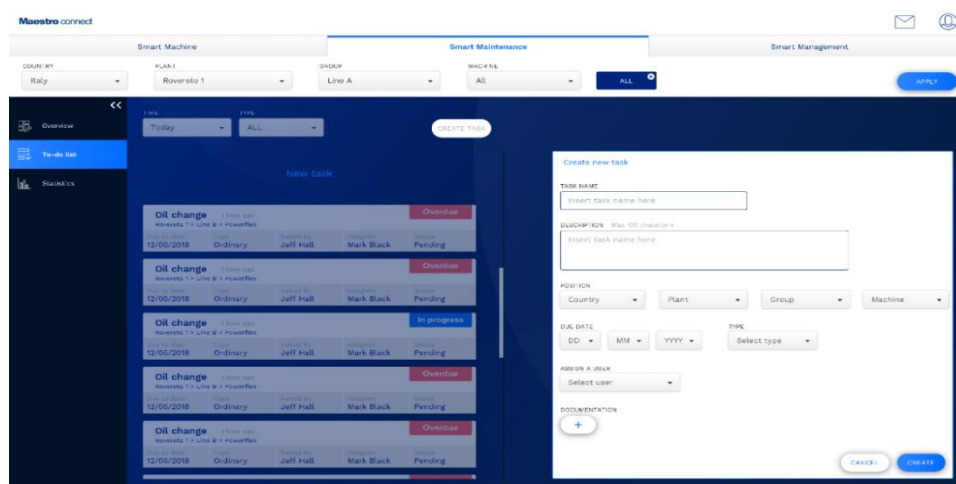


Maintenance management: Maestro Connect both *schedules* and *allows customer to assign a maintenance intervention*. Not only can the maintenance operation be scheduled, it can also be assigned to a specific operator responsible to carry on the task.

Smart Parts, Spare Parts Suggestions and Integration with Smart Parts e-shop. Repairs are scheduled proactively since the system provides current information on the conditions of the machine parts.



“How to”: self-learning utilities. Direct Access to the machine’s technical documents from the IoT app. Documents and videos provided in association with any regular maintenance activity, so that the customer can take an immediate self-made action without technical support that solves the problem and saves time.



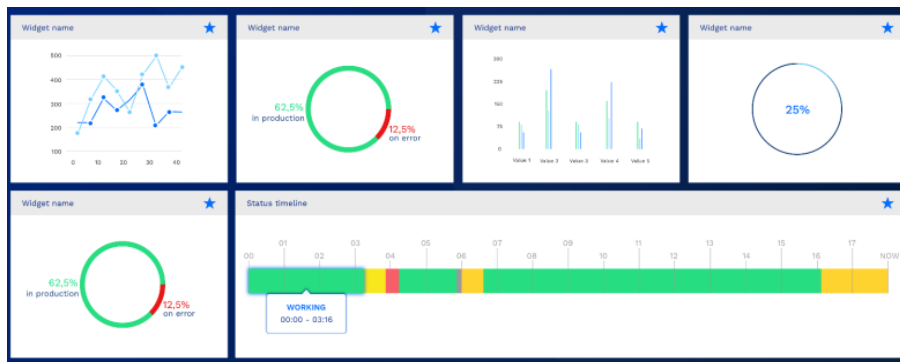
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SMART MANAGEMENT: Section providing KPIs presentation for all the machines connected to the platform. The indicators provided in the first release evaluate:

- Machine availability
- Machine efficiency

Additional indicators and reports will be released in upcoming updates.



HIGHEST SECURITY STANDARDS

Maximum safety

- Maestro Connect uses the standard OPC UA communication protocol, which guarantees the data encryption at the interface *Edge* level.
- Connect's Cloud and DataLake levels meet all state-of-the-art *cyber-security* requirements. Customer data is encrypted and authenticated **with password authentication** to ensure total protection of sensitive information.
- **Maestro Connect uses separate hardware gateway.** Maestro Connect benefits from the last and most effective EdgeComputing technologies: using a powerful dedicated CPU cores in the hardware gateway, it's possible to post-process data and events locally, saving money and time with respect to sending everything to the Cloud. The gateway software is continuously improved, with no impact on the machine performance and behavior: no software issues thanks to the communication between IoT and the machine, increased security, saved time and money.
- SCM will guarantee to operate in compliance with the following guidelines:
 - **Data storage and Safety:** SCM guarantees to collect and process data with the customer's exclusive authorization;
 - **Transparency:** at any time the customer can request to verify the data subject to monitoring and analysis;
 - **Confidentiality:** all data will remain for the exclusive Customer's and SCM's use and will not be passed on to third parties

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PRICE

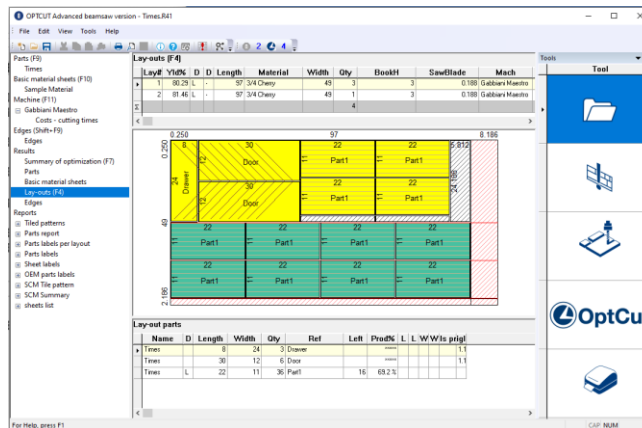
Machine Price:	\$ 135,000.00
Promotional Price:	\$ 120,000.00
Delivery:	Final Destination
Installation:	Included by SCM

Suggested optional devices

00F0900938G SCM OptCut Standard N. 1 \$3,800.00

This cutting-edge software optimizer is designed to process a list of parts and generate the best cutting pattern for a beam saw. Some of the main features of this software are:

- 500 unique parts, unlimited quantity
- Up to 10 sizes per Material
- Single Material List
- Up to 4th phase cut
- Yield Optimization
- Material Optimization Priority
- Standard Report (non-editable)
- Panel thickness/Book height stacking
- Standard and Custom CSV import
- Edge information
- First Cut Direction
- Post-Processor for Maestro Active Cut
- Copy Paste from XLS
- 1st Year Maintenance: Releases, support and Cloud Analytics



Training SCM OptCut Standard Remote Setup and training N. 1 \$500.00

Remote training and basic setup of SCM OptCut. We will connect remotely to program the USB Hard-lock with a license, download the software and set it up. Once the system is fully installed, we will proceed with the Training on How to define parts, import list, setup material, optimize and output patterns to the machine.

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 and Training:

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.

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 or call us at (866) 216-2166.

SERVICE

Email us at servicena@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

Email us at partspronto@scmgroup.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

