

stefani sbx

Squaring- edge bander for the furniture industry

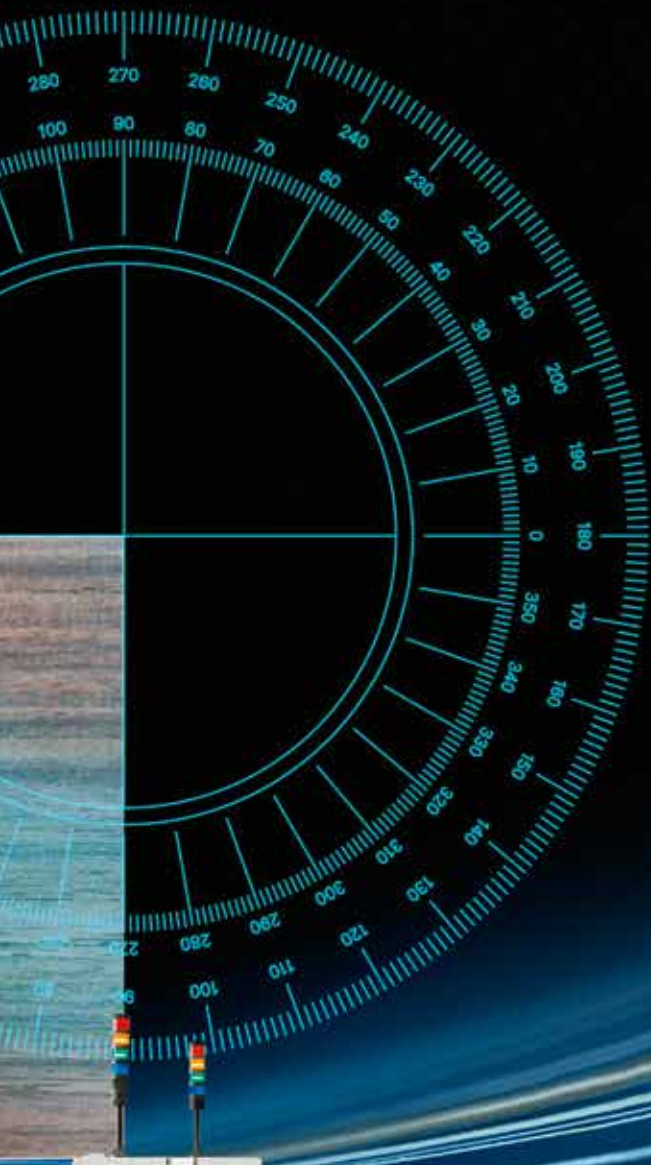


PRECISE SQUARING FOR HIGH QUALITY EDGE



stefani sbx

Squaring- edge bander for the furniture industry



EASY



User-friendly squaring-edge bander even for inexperienced operators thanks to the operating logic of “what has to be done” and not “how to do it”.

Total control thanks to the 3D adaptive preview of the workpiece.

POWERFUL



Industrial productivity with speeds up to 40 m/min and 350 mm panel gap even with machining changeover.

The whole range of panel thickness from 8 to 60 mm can be processed as standard

HEAVY DUTY



Maximum stiffness of the machine structure, the presser and the feed track .

Productivity over multiple shifts per day.

All structural components are designed for intense non-stop production.

INTEGRABILITY



The machine is already designed and structured to be integrated in squaring-edgebanding lines with different architectures customized for the customer's needs.

CONFIGURABILITY



Several solutions are available for first and second pass processing for different types of panel machining in sizing and squaring.

SAVE



Save up to 10% on yearly energy consumption with the SavEnergy technology.

Reduction of up to 100.000 m/year of edge consumption thanks to the precision of the new gluing unit which guarantees a minimum edge waste even at high speed.

Optimized suction of machining scraps on all working units especially on grooving unit with proprietary solution.

SMART



Fast and flexible management of glue type and colour change with the new glue switch technology.

Working speed from HMI for just-in-time processing of up to 3 radii + infinite thin edges thanks to the multi-edge devices.

Easy management of panels with overhanging coating and with holes for hardware.

QUALITY FINISHING



An excellent processing quality on all materials even the most delicate is guaranteed by the “electronic touch” working units with servo-assisted technology together with many finishing liquids on board the machine.

INVESTMENT



High return on investment thanks to high productivity combined with a repeatability always constant with all processing.

Ratio between price and technological content ranks among the best on the market.

QUALITY SQUARE



Stefani sbx is equipped with an important 13-teeth sprocket with 100 mm diameter track bar, steel presser and sturdy machine structure at the entry.

Dimensional and squaring accuracy with a quality never achieved before.

OVERVIEW OF TECHNICAL FEATURES

TECHNOLOGICAL ADVANTAGES



100 mm diameter motion transmission bar to ensure maximum power transmission.



Pressure belt with steel structure for maximum holding accuracy in the feed of the workpiece.



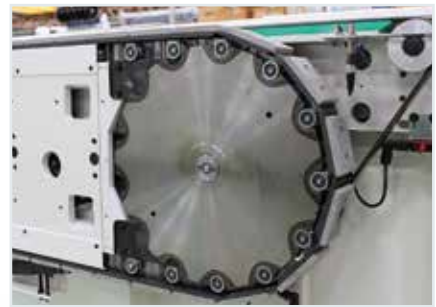
New dust and chip capture systems for a maximum cleanliness of the panel and machine.



New design and new ergonomics for accessing the working units and viewing the status of the machine.



Monolithic structure and columns supporting presser and track for greater structural rigidity of the machine.



Feed track rolling on 13-tooth bearings for high-level precision in sizing and squaring.



HMI Maestro active edge with touch screen eye-M.

OVERVIEW OF TECHNICAL FEATURES

TECHNOLOGICAL ADVANTAGES



New grooving unit with an increased distance between the groove and the panel side. Proprietary system for an accurate cleaning of the groove.



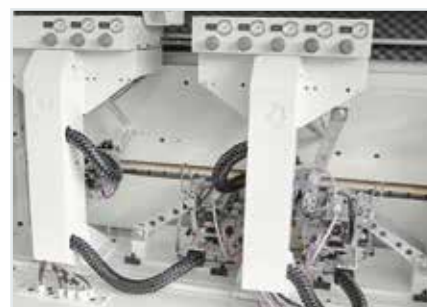
Excellent quality thanks to "zero lock" device. The tool/motor interface with HSK release is supplied as standard for all working units.



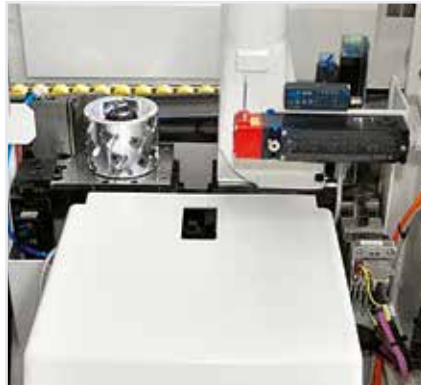
Complete and automatic machining up to 3 radii and infinite thin edges.



Glue scraping unit with automatic adjustment for machining panel with protective film with different thickness.



New range of finishing units: electronic end trimming and rounding units for excellent finishing quality.



Double hogging unit and compact anti-chipping unit for high working precision.

Different solutions of working units for the panel preparation to meet all the needs of various types of processing and different materials.



Many spray-mist liquids for better finishing according to the types of the edge and the panel.



No more machine downtime for glue colour or type change thanks to the "glue switch" system.

M Maestro Digital Systems

SMART SOFTWARE AND DIGITAL SERVICES TO ENHANCE PRODUCTIVITY OF WOODWORKING AND FURNITURE INDUSTRIES.

> programming and data generation

Maestro office

Office

Factory

Maestro active

> edge banding

SOFTWARE

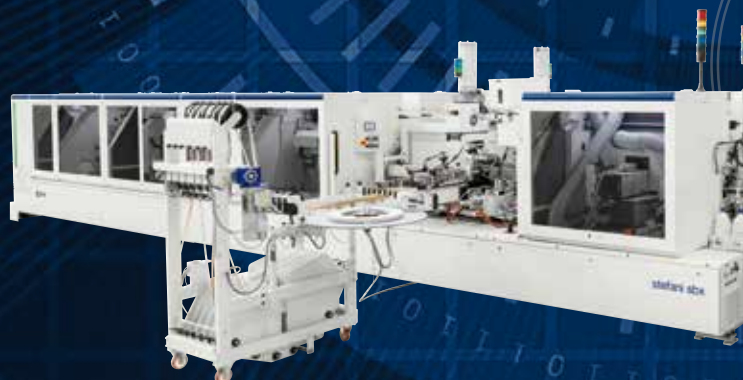
Simple, smart and open.

Maestro software are tailored on the machine technology as well as on the entire process. All Maestro software share a common mission:

easy to use, so that any operator can easily and confidently learn and use the software

smart, with algorithms and computing modules aiming at the best possible result

open in order to integrate existing software, and provide customer the coverage of all his process.



SCM accompanies woodworking companies throughout their whole process combining machines with matching software solutions and digital services, with a constant strive to enhance company productivity.

The software solutions powered by SCM are developed to optimize machine usage as well as the entire process, providing integration with the different software existing in the company.

DIGITAL SERVICES

Transforming the way it delivers services to its customers through digital technologies and particularly, the IoT platform that collects and analyses data coming from the machine, **SCM created a world of services enabled by Maestro connect.**

Meaning that connecting an SCM machine through Maestro connect will let customer subscribe a program of fast-evolving services and access a wide range of benefits that even go beyond the machine experience and will support and assist you through the whole life-cycle of your machine.

Maestro connect IoT Platform

1
Machine monitoring,
KPIs, early warning

2
Maintenance
equipment

3
Predictive
maintenance

4
Report and historical
data export to MES

5
Warranty
extension

6
Augmented
remote support

7
Smart learning,
SELF-HEALING,
video tutorials

8
Asset management
with e-shop SCM
Spare Parts



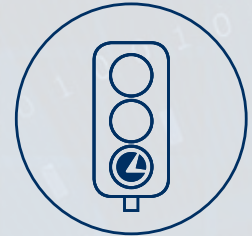
M Maestro Digital Systems

SMART SOFTWARE AND DIGITAL SERVICES TO ENHANCE PRODUCTIVITY OF WOODWORKING AND FURNITURE INDUSTRIES.

Maestro active watch

Maestro active watch is the supervision and control software developed by SCM to control and manage the entire production process.

The software is able to manage all the machines in line in an integrated manner, to program the entire process and monitor all the operations of the plant in real time.

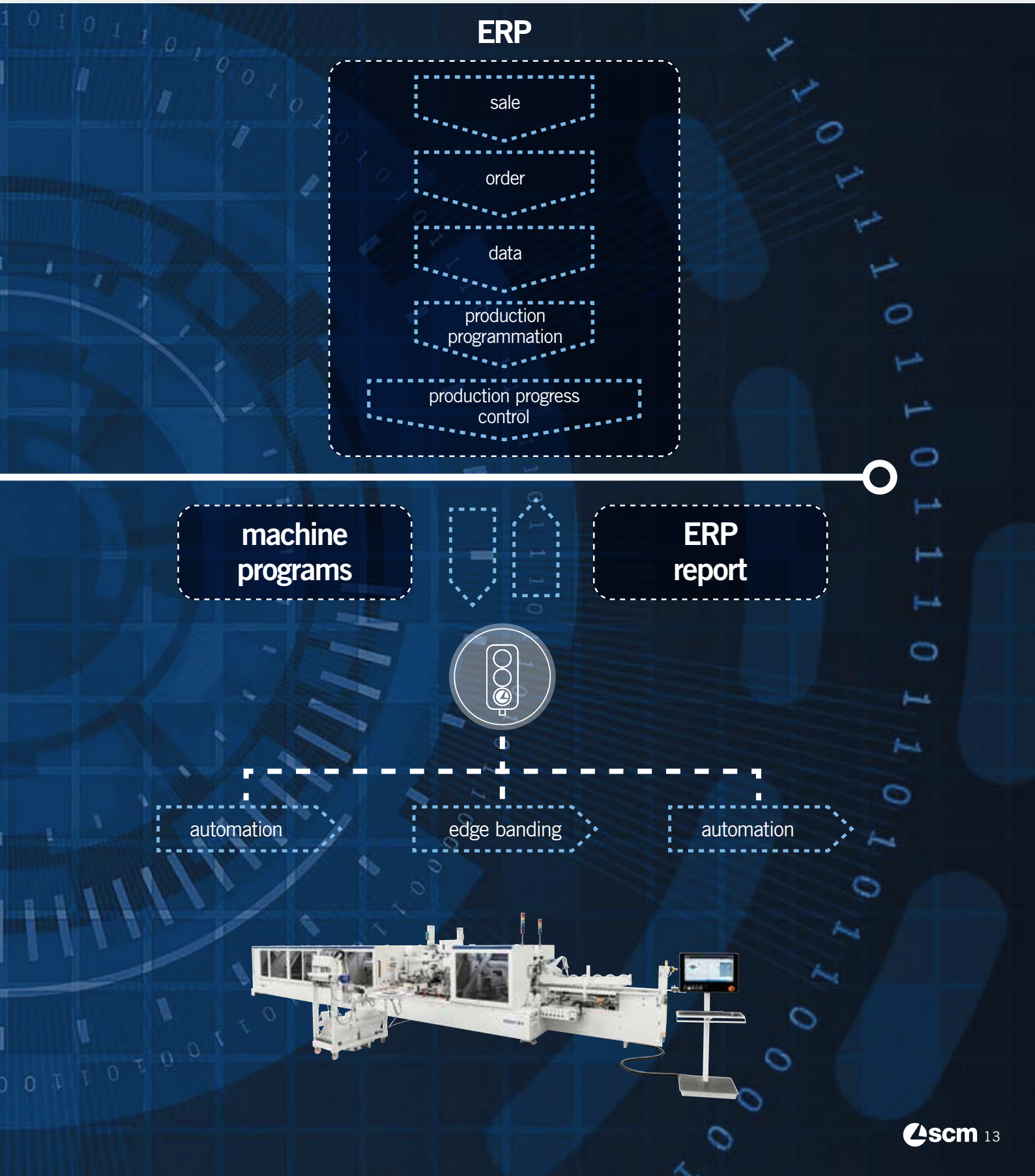


OFFICE

FACTORY

SCM accompanies woodworking companies throughout their whole process combining machines with matching software solutions and digital services, with a constant strive to enhance company productivity.

The software solutions powered by SCM are developed to optimize machine usage as well as the entire process, providing integration with the different software existing in the company.



COMPOSITIONS

STEFANI SBX 12

LENGTHWISE PROCESSING

- Squaring speed – 40 m/min
- Lengthwise edgebanding speed - thin edge – 35 m/min
- Lengthwise edgebanding speed - thick edge - 30 m/min

STEFANI SBX 21

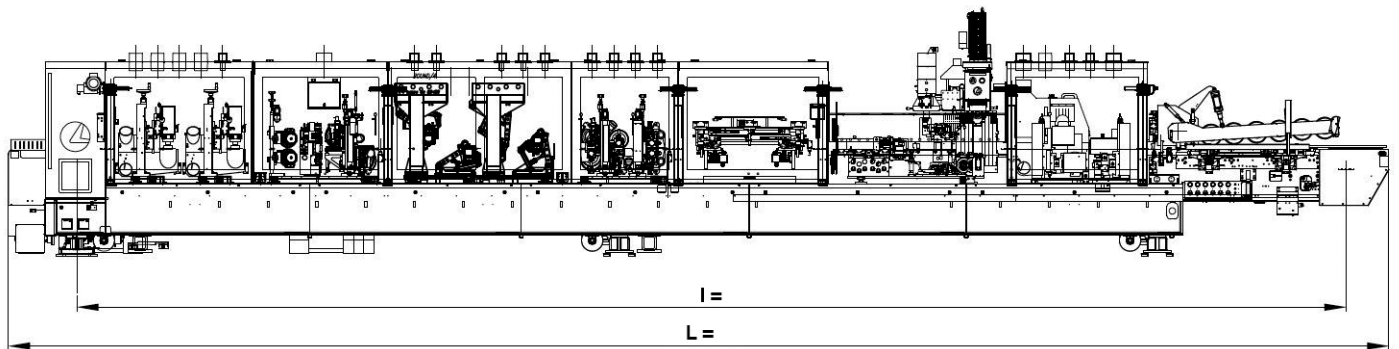
LENGTHWISE AND CROSSWISE PROCESSING – THIN EDGES

- Squaring speed – 40 m/min
- Lengthwise/crosswise edgebanding speed - with YU/SP 1000 end trimming unit – 25 m/min
- Lengthwise/crosswise edgebanding speed - with Y-SE 1200 end trimming unit – 35 m/min

STEFANI SBX 22

LENGTHWISE AND CROSSWISE PROCESSING – THIN AND THICK EDGE

- Squaring speed – 40 m/min
- Lengthwise edgebanding speed - with YU/SP 1000 end trimming unit – 25 m/min
- Lengthwise edgebanding speed with thin edge and Y-SE 1200 end trimming unit – 35 m/min
- Lengthwise edgebanding speed with thick edge – 30 m/min
- Crosswise edgebanding speed with Round 2 pneumatic unit – 20 m/min
- Crosswise edgebanding speed with Round 2 servo or Round 4 unit – 25 m/min



STEFANI SBX		12B	12SW+ 12F+	21B	21SW - 21F 21W+	22B	22SW - 22F 22W+
Sprocket interaxis (I)	mm	6200	8000	8200	9300	10600	11700
Total length (L)	mm	7225	9025	9225	10325	11625	12750

TECHNICAL DATA

Minimum and maximum thickness of coiled edge	mm	0,4 - 3
Minimum length of coiled edge	mm	230
Maximum thickness of solid wood lipping	mm	22
Maximum edge height	mm	65
Maximum section of coiled edge (PVC, ABS, PP)	mm ²	135
Maximum section of coiled wooden edge	mm ²	100
Minimum panel width	mm	215
Minimum panel length	mm	220
Maximum panel width (1st in line)	mm	1600
Maximum panel length (2nd in line)	mm	1200
Maximum panel width (2nd in line)	mm	2700 std. - 3200 opt.
Minimum and maximum panel thickness	mm	8 - 60

Variable track speed (depending on the working units installed)

Squaring function only:	m/min	10 - 40
1st in line	m/min	10 - 35
2nd in line	m/min	10 - 25



THE USE OF POWER ONLY WHEN IT IS REQUIRED

SavEnergy allows making things operate only when they are really necessary. It means the machine automatically enters "stand-by" mode when there are no panels to be machined.

**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001**

The technical data can vary according to the requested machine composition. In this catalogue, machines are shown with options. The company reserves the right to modify technical specifications without prior notice; the modifications do not influence the safety foreseen by the CE Norms.

*Maximum noise levels measured according to the operating conditions established by EN ISO 18217:2015
Acoustic pressure in process 80 dbA (measured according to EN ISO 11202:2010)
Acoustic power in process 100 dbA (measured according to ISO 3746:2010)*

Even if there is a correlation between above mentioned "conventional" noise emission values and average levels of personal exposure over eight hours of operators, these last also depend on the real operating conditions, duration of exposure, acoustic conditions of the working environment and presence of further noise sources, this means the number of machines and other adjacent process.



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