

edge banders, sizing edge banders

stefani md/kd

automatic edge banders for the furniture industry





**stefani
md**

stefani md

- speed up to 25 m/min
- machining solid wood up to 22 mm and edges with 3 different radii

**stefani
kd**

stefani kd

- speed up to 20 m/min
- machining solid wood up to 12 mm and edges with 2 different radii

OVERVIEW OF TECHNICAL FEATURES

TECHNOLOGICAL ADVANTAGES

*Versatile and with high production levels.
The automatic machining units and the machining speed up to 25 m/min make
this edge bander perfect for companies that need to continuously produce
numerous different types of panels.*



STEFANI MD		
Feed speed	m/min	10-22 (25)*
Panel thickness	mm	10-60 (80 opt.)
Edge thickness	mm	0,4 - 15 (22 opt.)
Compressed air	bar	6

* according to the machine composition

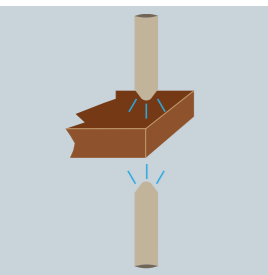
OVERVIEW OF TECHNICAL FEATURES

TECHNOLOGICAL ADVANTAGES

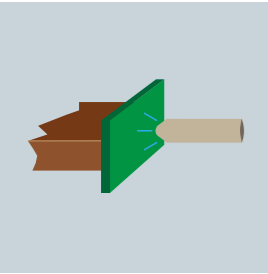
Continuous and versatile solutions for quality machining are the distinctive features of stefani kd. All you would expect from an edge banding machine: the use of EVA and Polyurethane glue thanks to the SGP glue pot, machining units with electronic axes allowing the automatic set up for 2 different radii, infinite thin edges and solid wood up to 12 mm. It is the ideal edge bander for all those companies that need to produce many panels for both small and large batch production.



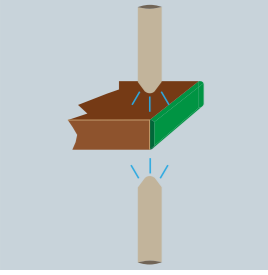
STEFANI KD		
Feed speed	m/min	20
Panel thickness	mm	8 - 60
Edge thickness	mm	0,4 - 12
Compressed air	bar	6



Anti-adhesive AAR
It prevents the glue residue from adhering to the panels



Nebulizing device for delicate edges
It facilitates machining of panels with delicate edges or with protective films.



Nebulizing device for edge finishing
It facilitates the finish of plastic edge brightening the colours along with the brushing unit.

DEVICES FOR LIQUID FINISHING

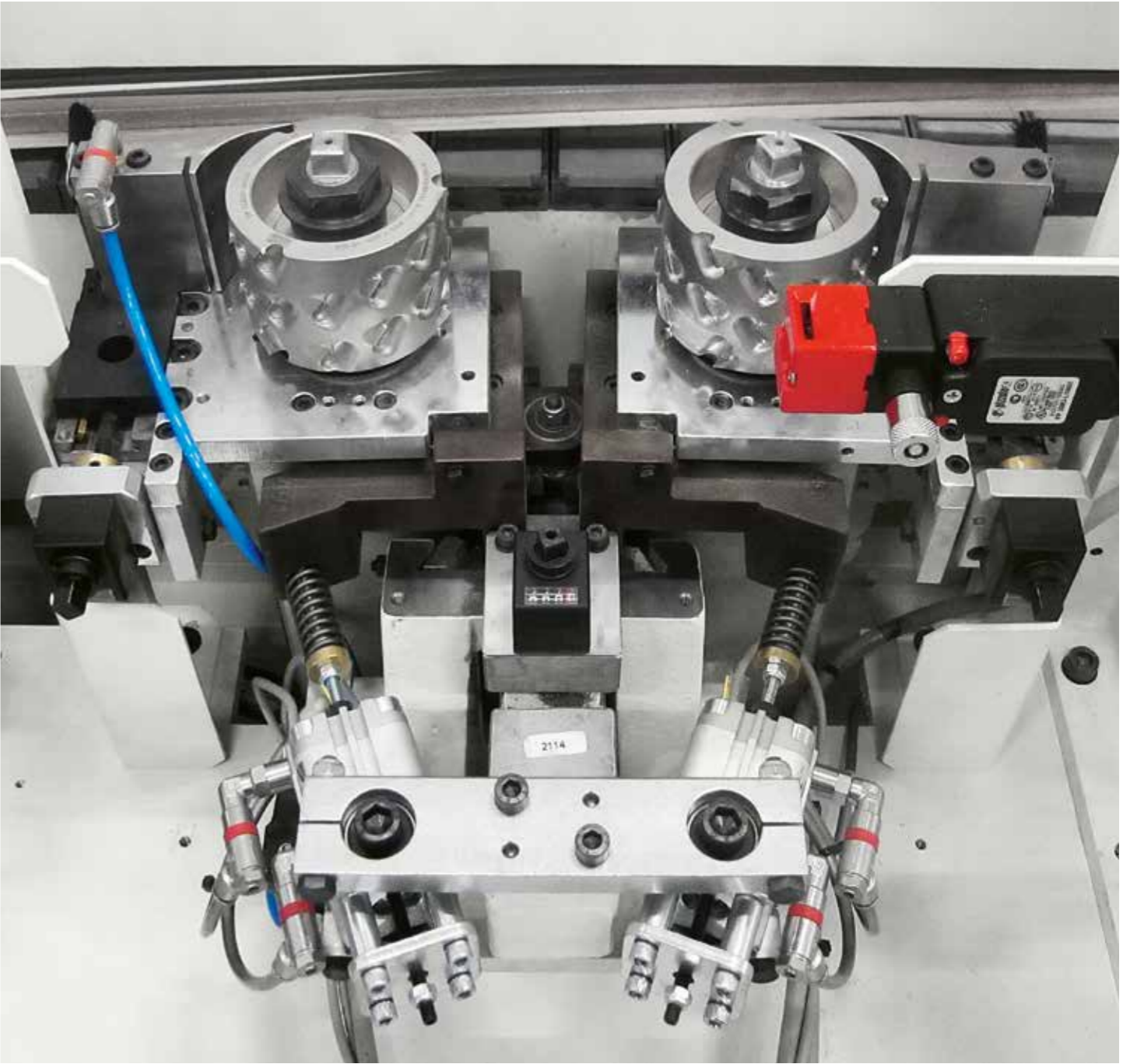


ENERGY ONLY WHEN NEEDED

SavEnergy allows the operation of the devices only when really necessary. The machine automatically enters stand-by mode when there are no panels to be machined.

PRE-MILLING UNIT: PERFECT JOINT LINE

An optimal edge gluing surface is achieved with large diameter tools (100 mm) and absence of vibrations during the machining thanks to the sturdy structure.





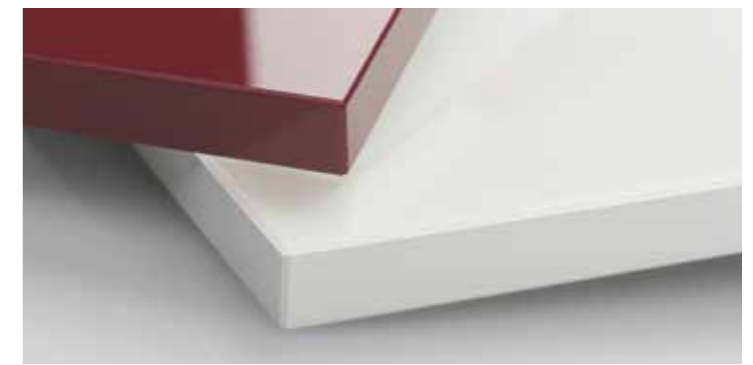
GLUING UNIT: PERFECT EDGE APPLICATION

Optimal edge gluing requires highly developed applications such as PU BOX L and AirFusion+ devices that ensure high level finishing.

AirFusion⁺

by **scm**

AirFusion+ provides a surprising level of finishing quality. This technology, edgebanding without glue, ensures the joint between the edge and the panel is invisible. Pressurised air at a high temperature is conveyed on a specific edge so that a layer of the material fuses with the panel, therefore ensuring glue is unnecessary. The extremely versatile AirFusion+ technology is compatible and can be perfectly integrated with traditional gluing technologies. It is also available on the whole range of the SCM edgebanders. AirFusion+, with speeds up to 25 metres per minute, can be configured to achieve different levels of performance.



**Copyright REHAU AG +CO*



PU BOX L: GLUE ONLY WHEN NEEDED, NO WASTE

Integrated premelting device to melt polyurethane glues in 2 Kg cartridges. High versatility thanks to flexible changeover with EVA glue.

ALTAPUR 4HO PREMELTER

For premelting up to 6 Kg/h of PU glue in cartridge. Available for the filling of the EB 60 V glue slot applicator (opt).

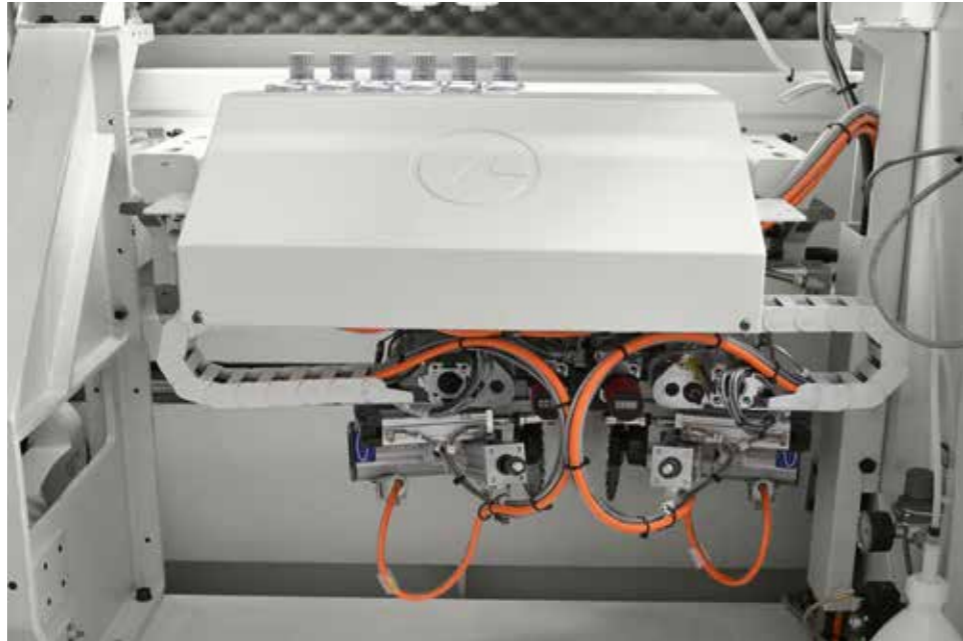
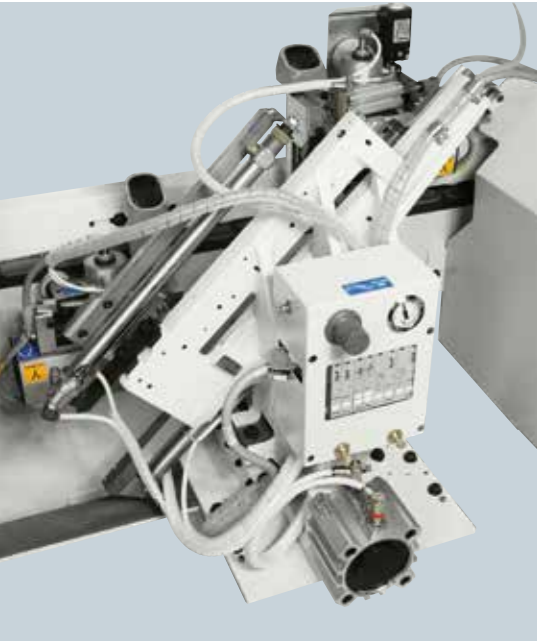


SGP GLUE POT: IDEAL GLUE LINE

Obtained thanks to the precise glue dosage adjustment and the spreading roller with a special knurling and variable pitch. The use of EVA and Polyurethane glue is made possible by the anti-adherent plasma treatment of the glue pot and a fast and simple glue changeover.

END TRIMMING UNIT: PERFECT FINISH EVERY TIME

The optimal cut for excess edge is always guaranteed by a precise and reliable kinematics in all working conditions.



K/SEL

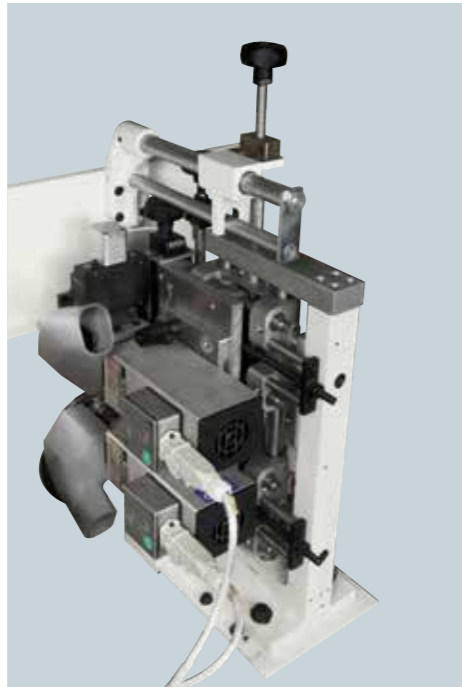
md kd

YU/SP-750

md

TRIMMING UNIT: EDGE ROUGHING AND FINISHING

Trimming of solid wood edges or removal of excess edge material to facilitate the subsequent corner rounding process.



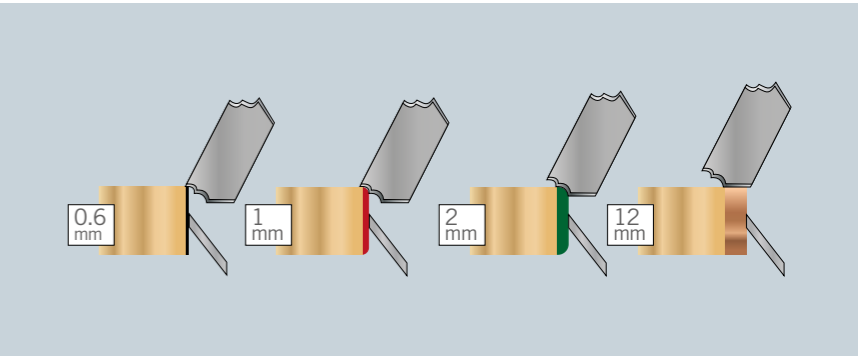
RSP
md



RS/K
kd

CHAMFERING UNIT: FINISHING AND VERSATILITY

Excellent edge finish due to the vibration-free solid structure. Low machining changeover times with customisable automation packages.



R-HP MULTIEDGE

Trimming/chamfering unit

Processing with automatic set up of 2 different radii, infinite thin edges and solid wood up to 12 mm.

kd

R/S

Possibility to process with 3 different radii and infinite thin edges (Multiedge version) or solid wood up to 15 mm.

md



2-MOTOR CORNER ROUNDING UNIT

Excellent finish quality and different production levels are possible with a complete range of solutions for panel corner rounding and trimming.



ROUND SK – 18 m/min

Complete panel machining with the double corner rounding and trimming functions.

md kd

4-MOTOR CORNER ROUNDING UNIT

High performance and versatile with the 4-motor design that allows the machining of the wooden edges.



ROUND 4M – 22 m/min

Corner rounding and trimming with wooden edges and with panels with different profiles and radiuses.

md



ROUND SK MULTIEDGE DEVICE

Automatic adjustment for the processing of rounded and thin edges.



KIT "3 EDGE": automatic set up for machining 2 radii + 1 thin edge.

OPERATING UNITS

stefani md/kd
automatic single sided edge banders

EDGE SCRAPER UNIT: PERFECT FINISH ON PLASTIC EDGES

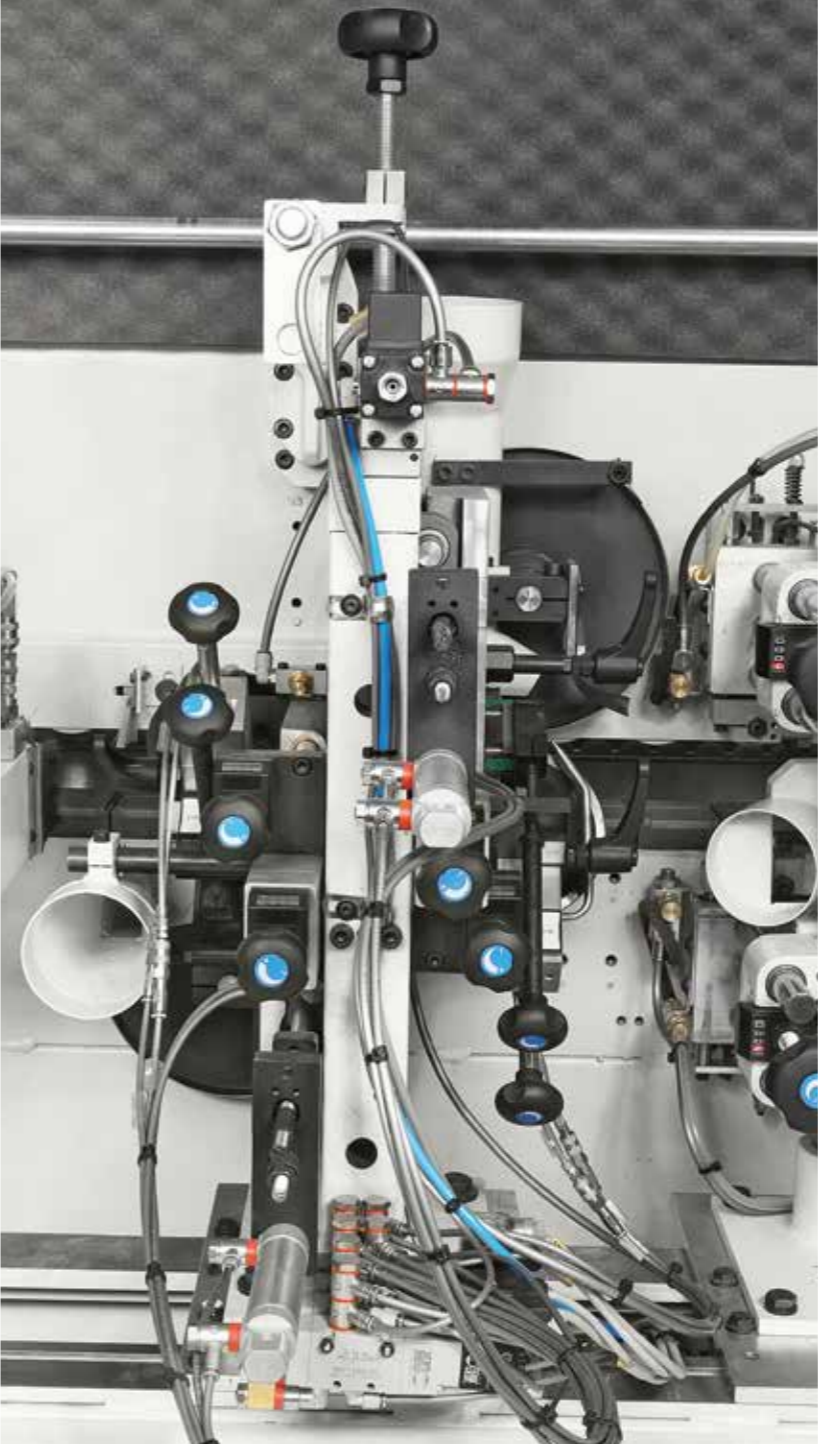
Excellent finish on plastic edges by smoothing previously trimmed edges.



RAS 1000

Fast and simple change of the machining radius by replacing the tool holder head complete with rotating track feelers.

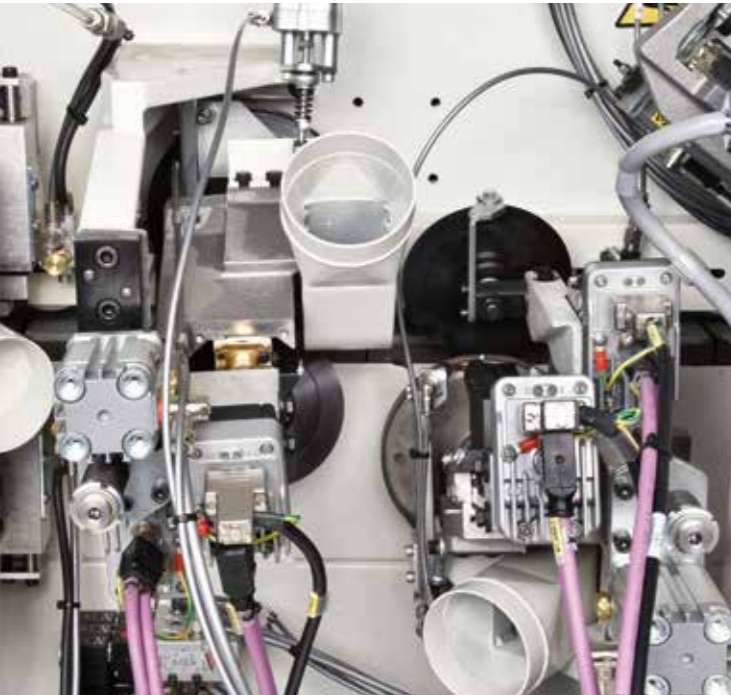
md kd



RAS/S 2P

Automatic change of the machining radius with the double pneumatic tool position.

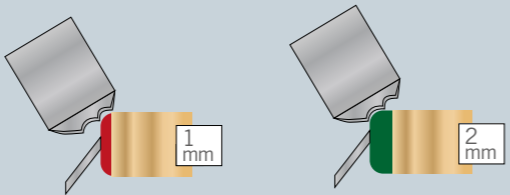
md



RAS-HP MULTIEDGE

Processing of two different radii with pneumatic or NC positioning.

kd



AUTOMATION PACKAGES



Edge scraper
2 radii



Edge scraper
3 radii

NESTING COPYING DEVICES

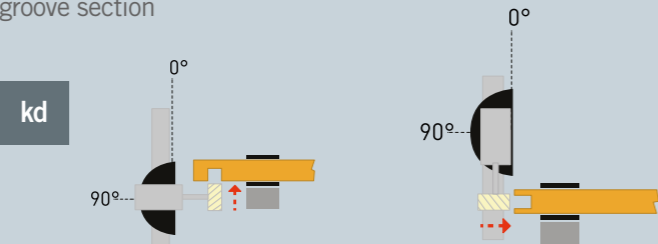


md kd

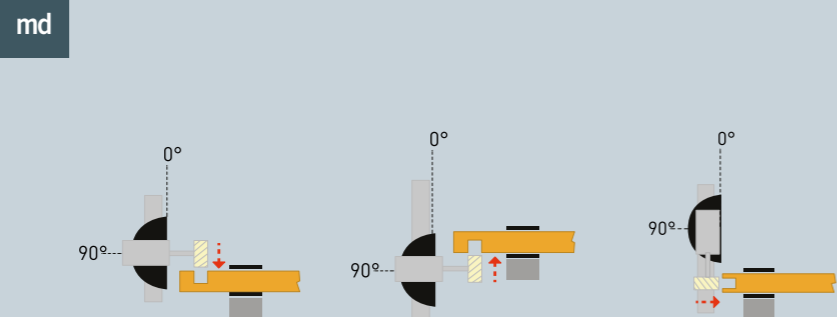
SPINDLE GROOVING UNIT: Through or timed grooves on the upper (U only), lower and front sides of the panel



K-100
Unit with front feelers-60 mm² max groove section



U
Unit with vertical and front feelers-120 mm² max groove section



SANDING UNIT GLC
For finishing and preparation of veneered and solid wood edges for painting.

md



GLUE SCRAPER UNIT RCA/2C
It removes any excess glue in the edge/panel joints. Optimal 2-bearing copying.



BRUSHING UNIT SPN
To clean the panels and brighten plastic edges with fast adjustment of working pressure and tilting.

EDGE BRIGHTENING UNIT ID3000
To finish plastic edges.



BELT PRESSER
Ideal for panels with delicate surfaces.



AIR CUSHION TABLE
For an easy introduction of the panel into the machine.

PANEL RETURN DEVICE



Productivity increased up to 30% - 40% with a single operator thanks to the **Fastback** device for automatic panel return to the operator.

MAXIMUM FREEDOM:

with the **Buffer Kit** (opt) the non-collection of the temporary panel does not block the operation of the edgebander.

OUT-OF-SIZE WITHOUT PROBLEMS:

with the **Extra Size Kit** (opt) the production also of the oversize is however possible in a simple and assisted way.

THINK BIG:

with the **Re-Loop Kit** (opt) it is possible to set up one complete cell where the operator can manage the machining of the various panel sides easily and ergonomically.



	LENGTHWISE FEEDING		CROSSWISE FEEDING		Panel thickness	Maximum panel weight (Kg)
	Minimum length	Maximum length	Minimum length	Maximum length		
Fastback 21	250	2100	120	800	8 - 60	40
Fastback 25	250	2500	120	1200	8 - 60	50

M Maestro Digital Systems

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

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.

> 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.

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





Maestro edge



Before the production, it is possible to program and generate edge banding programs directly from the office.

SOFTWARE

Office



Maestro active edge

Maestro active is the new operator interface software which has been unified across all SCM technologies. A single operator can easily and confidently run multiple machines due to controller and interface consistency: regardless the machine, Maestro active maintains the same look&feel, with many identical icons and navigation buttons, thus ensuring the same approach to interaction.

EASE OF USE

The new interface has been specifically designed and optimized for immediate use via touch screen. Graphics have been redesigned for simple and comfortable navigation, with tablet-like icons on touch screen controller.

"ZERO" ERRORS

Improved productivity thanks to integrated help and recovery procedures that reduce the possibility of error from the operator's side.

SOFTWARE

Factory

Maestro edge

PROGRAMMING THE EDGE BANDER DIRECTLY FROM THE OFFICE

FUNCTIONS

- Display of all the information present in Maestro active edge
- Receipt of machine production reports generated by the Maestro active edge
- Remote programming with creation of new edges and tools

With the same interface of Maestro active edge, the office software Maestro edge allows tu:

- edit machine programs directly from the office
- recall, view and modify existing programs in the machine

Maestro active edge

A REVOLUTIONARY APPROACH TO INTERACT WITH YOUR SCM MACHINE

FULL CONTROL OF PRODUCTION PERFORMANCES

The creation of customizable reports by operator, shift, program, forecast period (and much more) allows to monitor, optimize and improve the production performance.

FULL MACHINE AWARENESS AND KNOWLEDGE MANAGEMENT SYSTEM

Maestro active allows to record the times related to setup, maintenance, training and other events, tracing all the activities in a database. The operator's know-how is also stored and made available to other people inside the organization thanks to the possibility to comment and document all production events or notifications.

ORGANIZE YOUR PRODUCTION

Maestro active allows to create different users with different roles and authorizations (e.g.: operator, maintainer, administrator, ...). Any user can only execute the functions whose permissions have been assigned to him. It is also possible to define the work shifts on the machine and then detect activities, productivity and events that occurred in each shift.

A WORLD OF SERVICES FOR GREATER EFFICIENCY

Maestro connect

CONNECT YOUR MACHINE AND GAIN ACCESS TO A WORLD OF SERVICES

Connecting your machine through IoT technology, Maestro Connect will let you subscribe a program of fast-evolving services. You will 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.

FASTER SERVICE INTERVENTION AND PROBLEM RESOLUTION

Maestro Connect provides real time data and Health Records of the Machine also to SCM Service drastically reducing its troubleshooting time.

WORKING ALWAYS IN PERFECT CONDITIONS

Maestro Connect can provide a full kit of sophisticated sensor devices to detect and warn the operator in case of alarming conditions of the machine.

DIGITAL SERVICES

SMART MAINTENANCE: DOWN TIME REDUCTION

Maestro Connect reduces maintenance downtime thanks to:

- Automatic maintenance notifications and scheduling, to prevent failures and work in the best conditions of use
- Direct connection to SCM Service thanks to an automatic ticket opening function

SMART MACHINE: ANYTIME, ANYWHERE AWARENESS

Connecting your SCM machine also means having your machine always at hand.

Immediate instant notifications in case of alarms or downtimes allow customers to immediately take an action thus optimizing his productivity.

SMART MANAGEMENT: PRODUCTION PERFORMANCE OPTIMIZATION

Reports and KPIs allow further analysis thus increasing Customer Knowledge about his performance and results.

SMART PARTS: FAST PARTS REPLENISHMENT

MRepairs are scheduled proactively since the system provides Spare Parts suggestions and a direct Integration with Smart Parts e-shop.

SMART LEARNING: EXECUTE WORK AND RECEIVE PROBLEM SOLVING SUPPORT

Maestro connect provides an intuitive Problem Solving Management System to help the operator to self solve any issue..

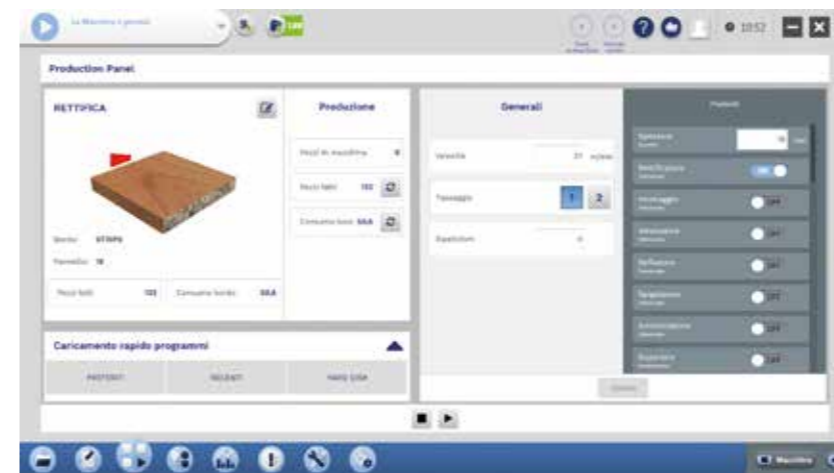
SMARTTECH: FASTER AUGMENTED SUPPORT

Maestro connect allows augmented reality support by means of Smarttech: the head-wearable computers with wireless connectivity that will bring the interaction between customer and SCM service to a higher level.

SMART WARRANTY: YOUR MACHINE ALWAYS IN PERFECT CONDITIONS

Together with scheduled maintenance contracts, you can take care of your asset by doubling the warranty from 1 year to 2 years* for complete peace of mind!

* Please read the complete contract to understand terms and conditions.



MAESTRO ACTIVE EDGE AND MAESTRO CONNECT: PRODUCING IN SMART MODE

Operator interface with immediate and intuitive panel programming thanks to the adaptive 3D design of the processing with real time preview.

Machine connection to a world of services (opt.)



STARTOUCH CONTROL: ONE-TOUCH-USE OF THE MACHINE

The touch-screen with customised graphics ensures error-free management, and a simple and intuitive access to the main functions.

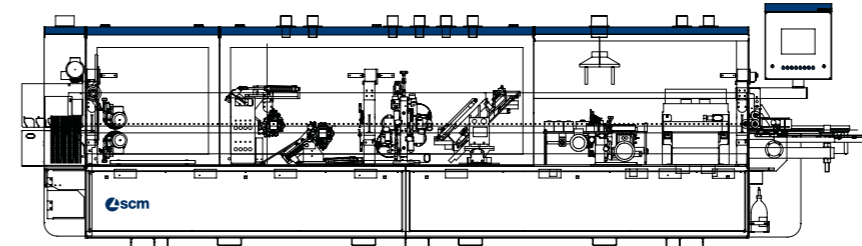
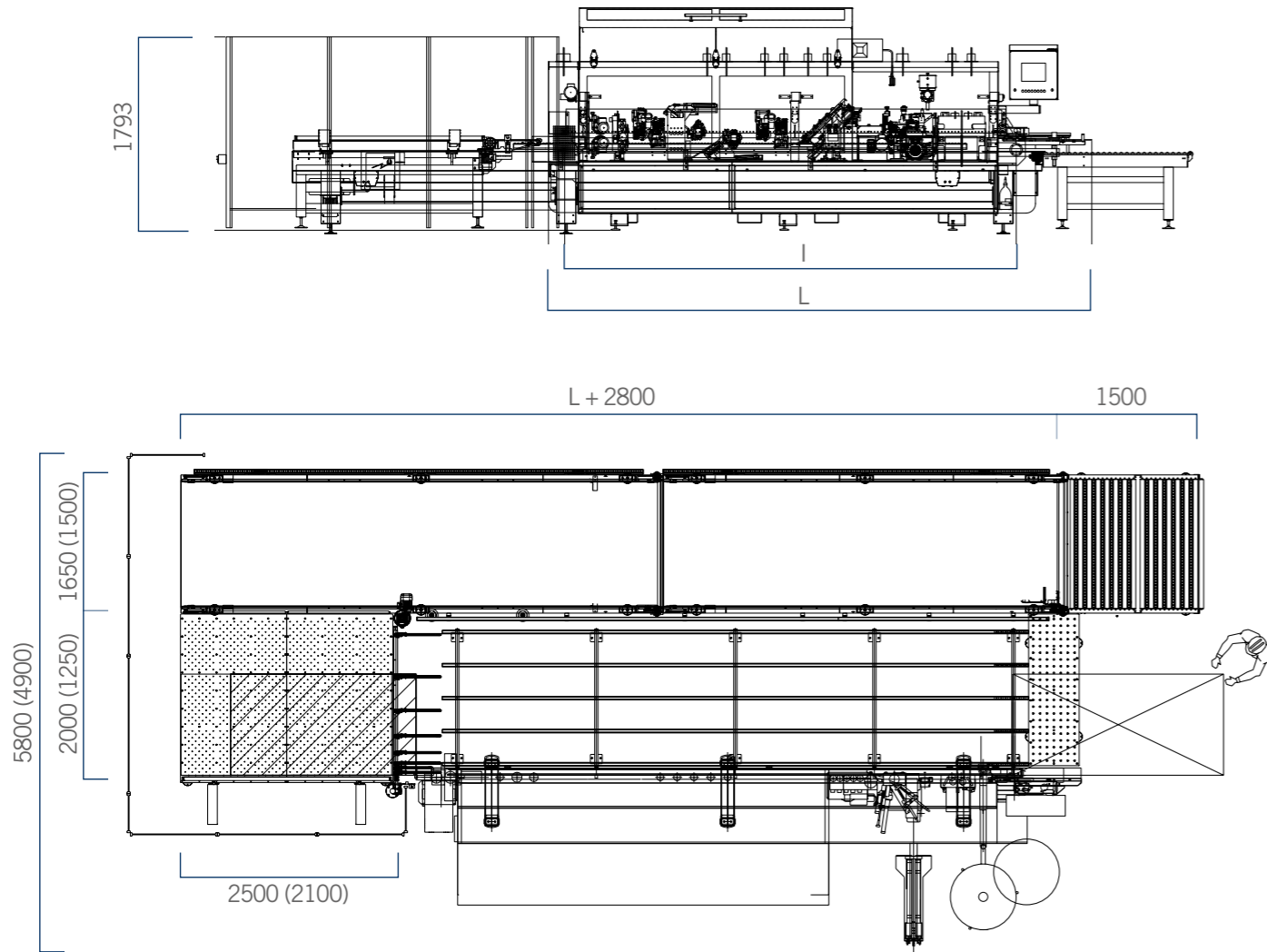


SIMPLE AS A TOUCH

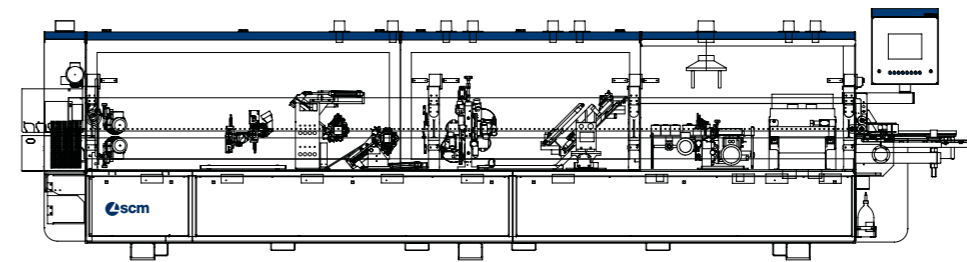
Production management directly by Bar code and label (opt.)

Feed speed up to 22 m/min

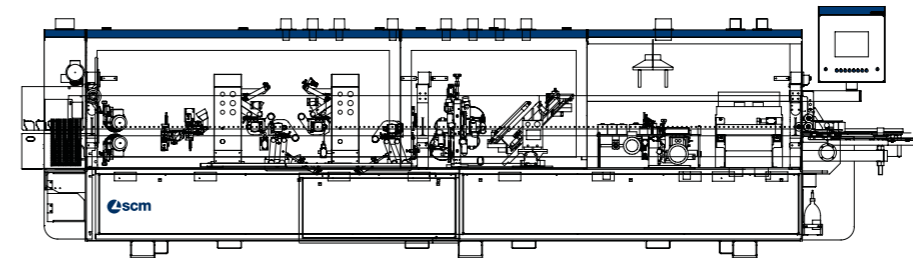
- thin edge 1st pass + 2nd pass - 22 m/min
- thin edge 1st pass - 22 m/min
- thin edge 2nd pass: - comp. MT-ER2, MT-ERS - 18 m/min
- comp. MT-ER4, MT-ER4S - 22 m/min



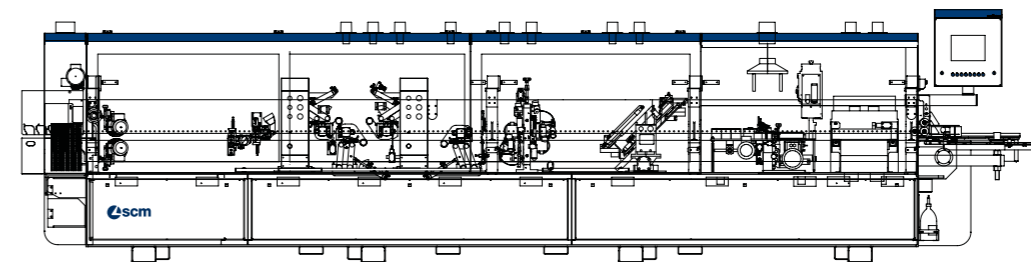
stefani md MT-ER2



stefani md MT-ERS



stefani md MT-ER4



stefani md MT-ER4S

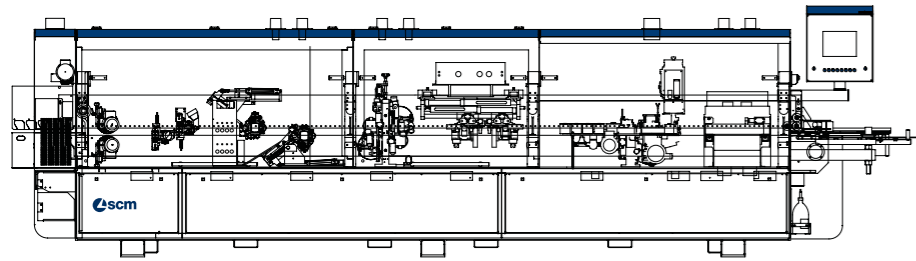
STEFANI MD	MT-ER2	MT-ERS	MT-ER4	MTER4S	T-S	T-MX	T-ER2	T-ERS	TER4S
Interaxis (I) mm	5300	6100	5700	6500	4300	5300	5700	6500	6900
Length (L) mm	6425	7225	6825	7625	5425	6425	6825	7625	805

STEFANI KD	ES	T-EL	ER2	T-ERL	T-ERS	T-FR2	HP T-ERL	HP T-ERS	HP T-FR2
Interaxis (I) mm	3900	4300	4300	4700	5100	5100	4700	5100	5100
Length (L) mm	4855	5255	5255	5655	6055	6055	5655	6055	6055

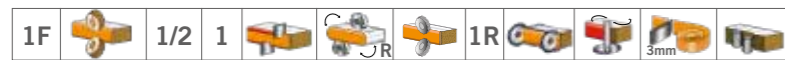
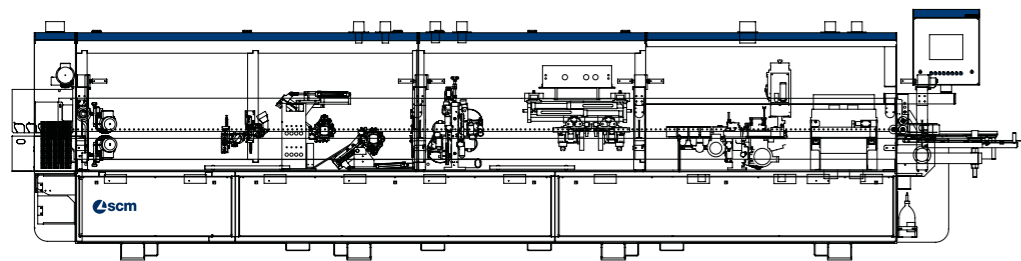
COMPOSITIONS STEFANI MD

Feed speed up to 25 m/min

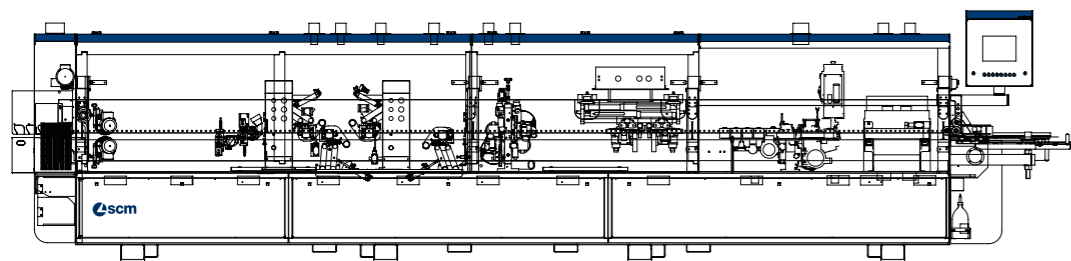
- thin edge 1st pass + 2nd pass - **25 m/min**
- thick edge 1st pass - **25 m/min**
- thick edge 2nd pass: - comp. T-ER2, T-ERS - **18 m/min**
- comp. T-ER4S - **22 m/min**



stefani md T-ER2



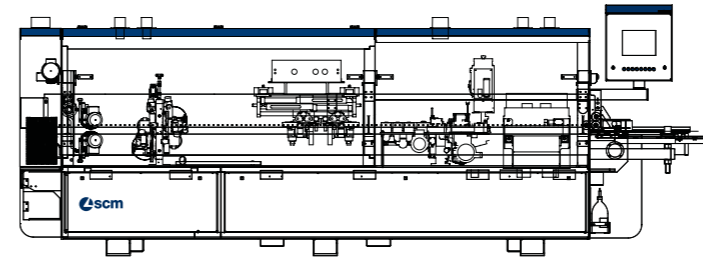
stefani md T-ERS



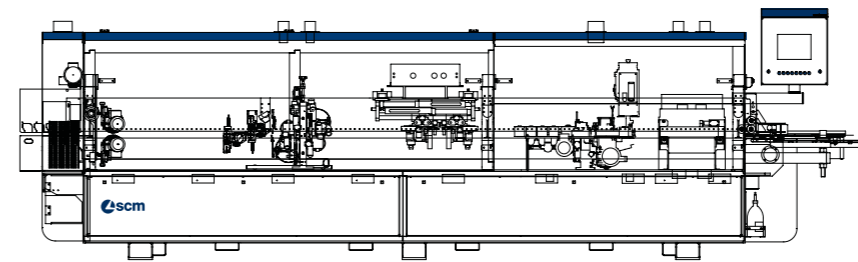
stefani md T-ER4S

Feed speed up to 25 m/min

- thin edge 1st pass + 2nd pass - **25 m/min**
- thick edge 1st pass - **25 m/min**
- thick edge 2nd pass - **25 m/min**



stefani md T-S



stefani md T-MX

OPTIONAL UNITS FOR STEFANI MD

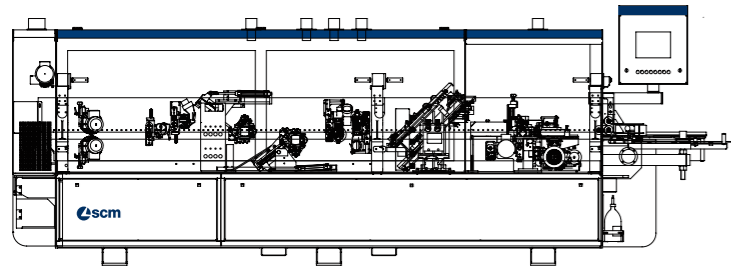


Maximum noise levels measured according to the operating conditions established by **EN ISO 18217:2015**
 Acoustic pressure in process **86** dbA (measured according to **EN ISO 11202-10**, uncertainty K ≤4 dB)
 Acoustic power in process **99** dbA (measured according to **ISO 3746-2010**, uncertainty K ≤4 dB)
 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 processes

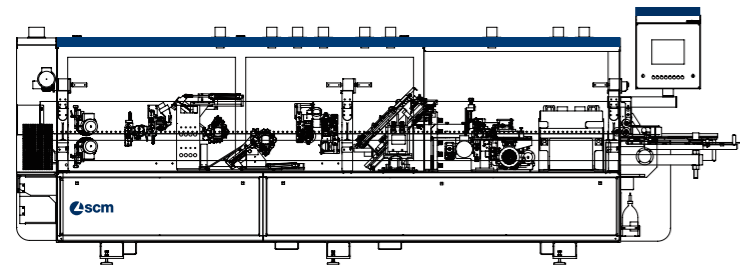
COMPOSITIONS STEFANI KD

Feed speed up to 20 m/min

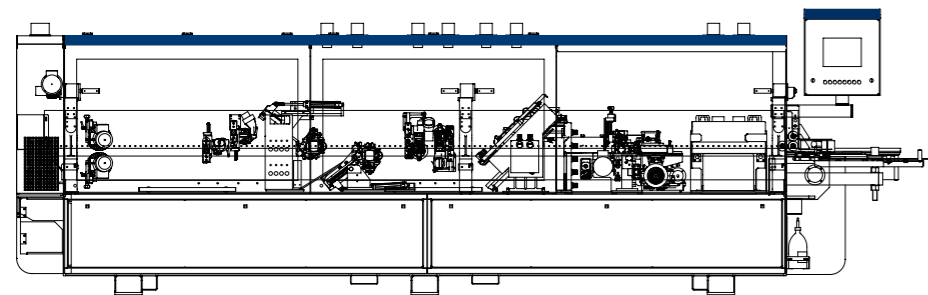
- thin edge 1st pass + 2nd pass - 20 m/min
- thick edge 1st pass - 20 m/min
- thick edge 2nd pass - 18 m/min



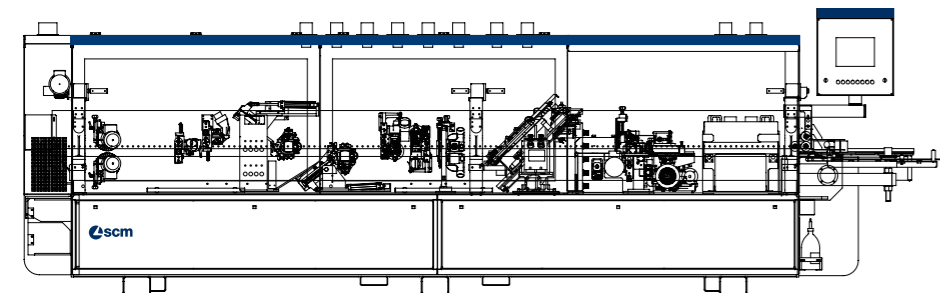
stefani kd ER 2



stefani kd T-ERL
stefani kd HP T-ERL



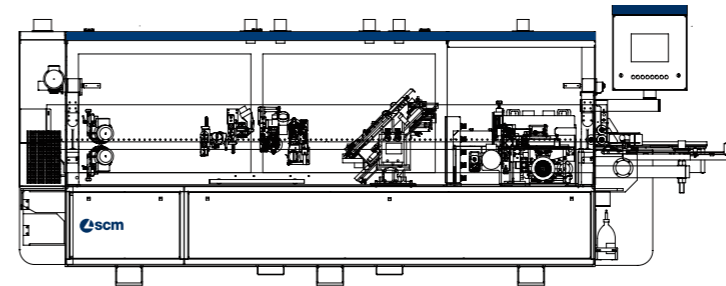
stefani kd T-ERS
stefani kd HP T-ERS



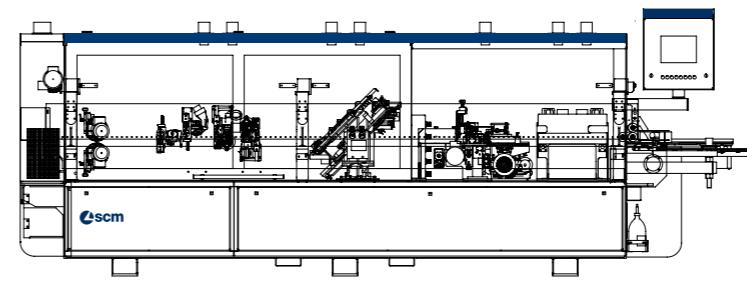
stefani kd T-FR2
stefani kd HP T-FR2

Feed speed up to 20 m/min

- thin edge 1st pass + 2nd pass - 20 m/min
- thick edge 1st pass + 2nd pass - 20 m/min



stefani kd ES



stefani kd T-EL

OPTIONAL UNITS FOR STEFANI KD



Maximum noise levels measured according to the operating conditions established by **EN ISO 18217:2015**
Acoustic pressure in process **83** dbA (measured according to **EN ISO 11202-2010**, uncertainty $K \leq 4$ dB)
Acoustic power in process **99** dbA (measured according to **ISO 3746-2010**, uncertainty $K \leq 4$ dB)
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 processes.

**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= 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 EC Norms.

PROMPT AND EXPERT TECHNICAL SUPPORT THROUGH A NETWORK OF 1000 TECHNICIANS AND AN INVENTORY OF 36,000 SPARE PARTS.

HIGHLY SPECIALISED TECHNICIANS, EFFICIENT MANAGEMENT AND 6 SPARE PARTS BRANCHES AROUND THE WORLD GUARANTEE A CLOSE, SAFE AND EFFECTIVE TECHNICAL SUPPORT.

SERVICE

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 not working
- preventive maintenance programs to guarantee long term performance
- complete renovation of machines and plants to renew the added value of the investments
- custom upgrading to update machines and plants and meet new production requirements

SPARE PARTS

SCM Group can count on 140 spare parts professionals worldwide to meet any request with real time shipments.



36,000 SPARE PARTS

Our spare parts inventory, with a value of 12 million euros, 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, São Bento do Sul)



500 SHIPMENTS A DAY

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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