

edge banders, sizing edge banders

stefani xd/md/kd

single-sided automatic edge banders for the furniture industry



stefani xd/md/kd

The logo for the Stefani xd series, featuring the text 'stefani' in a light blue sans-serif font above 'xd' in a white sans-serif font, both centered on a dark blue square background with a lighter blue curved shape at the top.

stefani
xd

stefani xd

- high productivity with corner rounding up to 30 m/min
- technologies to optimise the quality of the glue line

The logo for the Stefani md series, featuring the text 'stefani' in a light blue sans-serif font above 'md' in a white sans-serif font, both centered on a dark blue square background with a lighter blue curved shape at the top.

stefani
md

stefani md

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

The logo for the Stefani kd series, featuring the text 'stefani' in a light blue sans-serif font above 'kd' in a white sans-serif font, both centered on a dark blue square background with a lighter blue curved shape at the top.

stefani
kd

stefani kd

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





stefani xd



STEFANI XD

Feed speed	m/min	25 (30)*
Edge thickness	mm	22
Panel thickness	mm	8 – 60
Compressed air	bar	6

* according to the requested machine composition

Suitable for the industrial production of standard and non-standard panels and for intensive use beyond single daily shifts. Due to its versatility and useful lengths up to 9 metres, every production demand can be achieved with cost-effective solutions by customising finish quality, performance requirements, flexibility and every other aspect linked to the production or market needs.



stefani md



STEFANI MD

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

* according to the requested machine composition

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 kd



STEFANI KD

Feed speed	m/min	20
Edge thickness	mm	0,4 - 8 (12 opz.*)
Panel thickness	mm	8 - 60
Compressed air	bar	6

* according to the requested machine composition

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 xd/md/kd

software



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.

md



MAESTRO PRO EDGE: DESIGN YOUR PANELS BY SIMPLY THINKING ABOUT “WHAT TO PRODUCE” AND NOT “HOW TO PRODUCE IT”

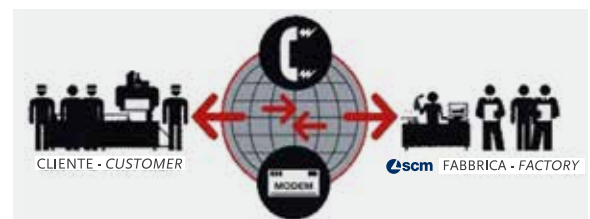
- 3D preview of the workpiece in machining with 360° view
- flexible batch 1 machining with continuous program changes from parts list/barcode without an empty machine and with the minimum interspace
- preview of the correct side to insert with the SIDE FINDER application
- ractical 17” touch screen operator interface

xd



SAVE ENERGY: LESS CONSUMPTION = LOWER COSTS

Save up to 10% on yearly energy consumption due to the energy saving solutions package.



TELESERVICE

Remote computerised diagnostics system to connect the machine PC with the technical support centre via internet.

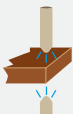
operating groups



PANEL LOADING ASSISTANCE

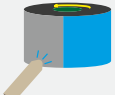
System for the introduction of very large narrow pieces.
xd

DEVICES FOR LIQUID FINISHING



Anti-adhesive AAR

Prevents the glue residue from adhering to the panels.



Anti-adhesive for pressure roller

Prevents the glue from adhering to the first pressure roller
xd



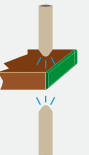
ASR cooling device

Prevents the glue from adhering to the tools (*xd*)



Nebulizing device for delicate edges

Facilitates machining of panels with delicate edges or with protective films



Nebulizing device for edge finishing

Facilitates the finish of plastic edge brightening the colours along with the brushing unit

AAR



PRE-MILLING UNIT: PERFECT JOINT LINE

An optimal edge gluing surface is achieved with large diameter tools (100 mm)

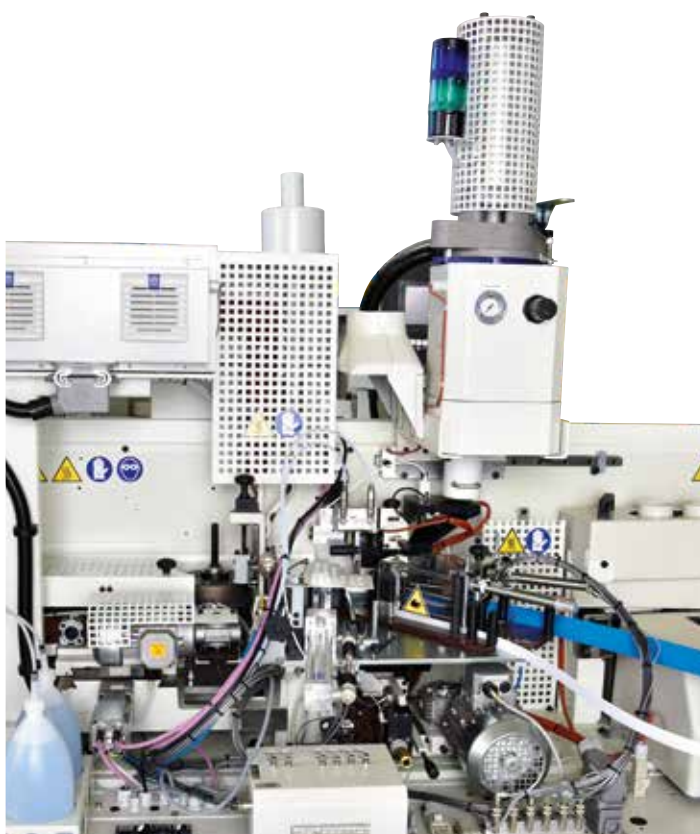
- no vibration when machining with Hydro Lock tools (*xd*)
- optimised aspiration "ED-SYSTEM" with diamond-tipped tools.

RTE
kd
md

edsystem

stefani xd/md/kd

operating groups



GLUING UNIT: PERFECT EDGE APPLICATION

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

VC 600



PU BOX L: GLUE ONLY WHEN NEEDED, NO WASTE

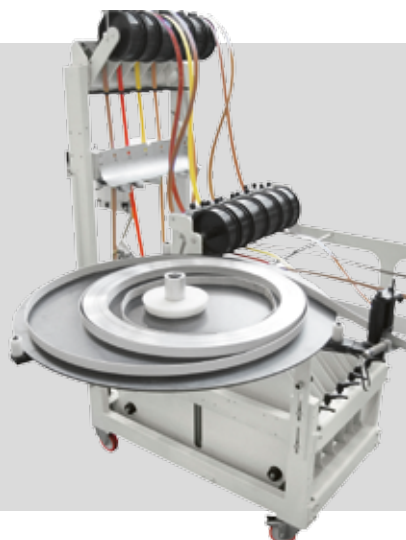
Integrated pre-melting device to melt polyurethane glues in 2 kg cartridges
High versatility thanks to flexible changeover with EVA glue.



Slot for the glue application on the edge of the panel.

MAGAZINES FOR UP TO 6 ROLLS

Magazines that can hold up to 6 rolls that allow the immediate changeover when the roll ends or to change the colour



6-roll vertical magazine
xd

AirFusion

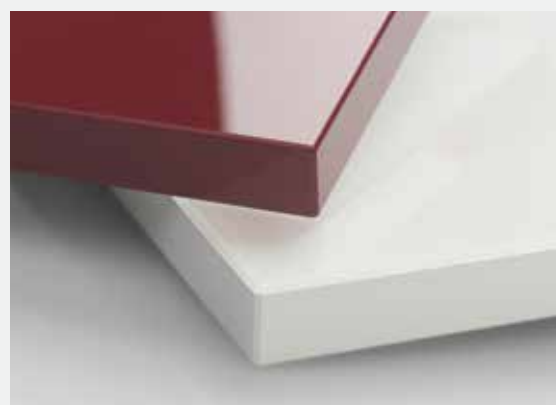
by 

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

SGP GLUE POT: IDEAL GLUE LINE

Obtained through the spreading roller with a special knurling with variable pitch, and a perfect dosing on any panel type. The use of EVA and Polyurethane glue is made possible by the anti-adherent plasma treatment and a fast and simple glue changeover.



stefani xd/md/kd

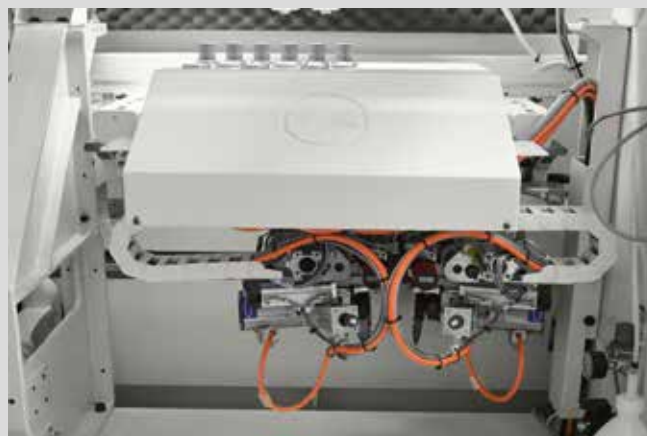
operating groups



K/SEL
kd
md

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. Machining speed up to 30 m/min.



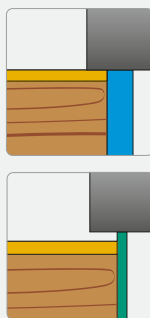
YU/SP-750
md
xd

TRIMMING UNIT: EDGE ROUGHING AND FINISHING

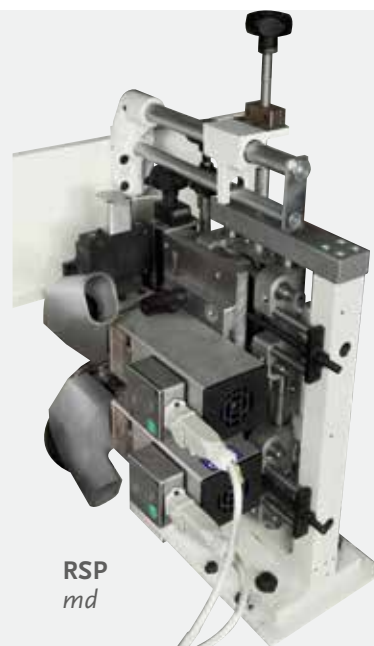
Trimming of solid wood edges or removal of excess edge material to facilitate the subsequent corner rounding process.

R-E

Movements on linear guides with recirculating balls.
xd



2 position device



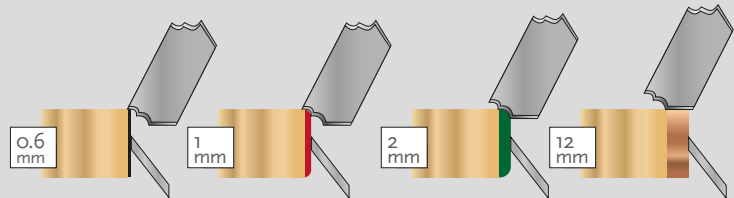
RSP
md



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**

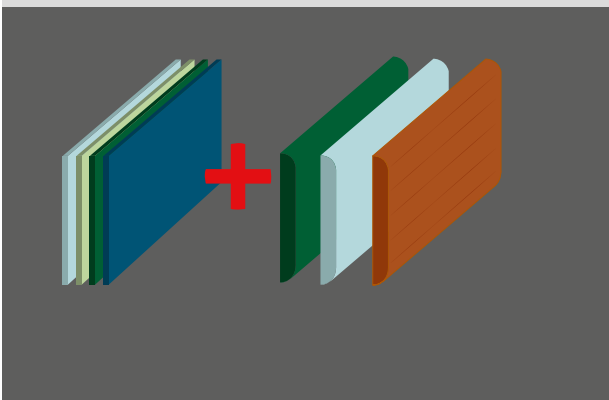
Processing with automatic set up of 2 different radii, infinite thin edges and solid wood up to 12 mm

kd



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

RSU-E
Minimum interaction with the panel due to movements on linear guides with recirculating balls.
xd



TWINFEELER
No compromise on the finish with track feeler + pre-track feeler staggered for high speeds.
xd

stefani xd/md/kd

operating groups

2-MOTOR CORNER ROUNDING UNITS

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.

kd
md

4-MOTOR CORNER ROUNDING UNITS

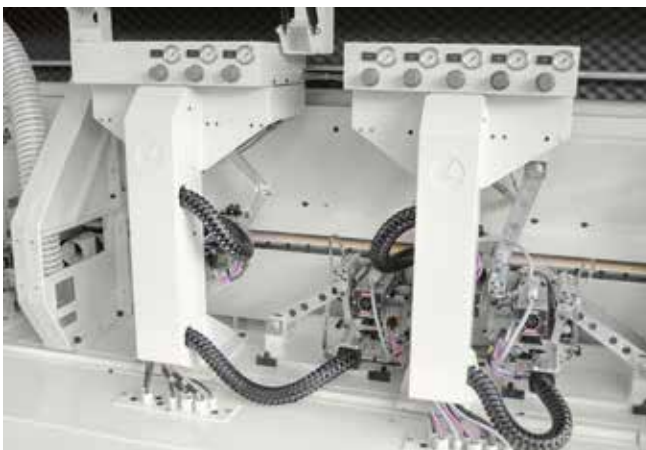
High performance and versatile with the 4-motor design that allows the machining of the wooden edges.



ROUND 4M – 22 m/min

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

md



ROUND 4 – UP TO 30 m/min

Ideal for high and extremely high productivity processes with panels with different profiles, radiuses and materials.

xd



**ROUND SK
MULTIEDGE DEVICE**
Automatic adjustment for
the processing of rounded
and thin edges



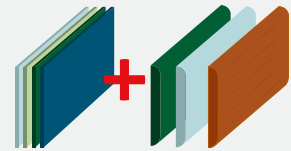
AUTOMATION PACKAGES



MULTIEDGE 2R
xd



MULTIEDGE 3R
xd



Up to an infinite
number of thin
edges + 3 radiuses



**NC LATERAL FEELER/
TOOL POSITIONING**
xd

**ZERO LOCK MOTOR/
TOOL INTERFACE**
xd



stefani xd/md/kd

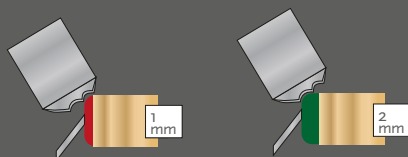
operating groups

EDGE SCRAPER UNIT: PERFECT FINISH ON PLASTIC EDGES

Excellent finish on plastic edges by smoothing previously trimmed edges.

MULTIEDGE RAS-HP

Processing of two different radii with pneumatic or NC positioning.



RAS 1000

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

kd md



RAS/S 2P

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

md



RCS-E

Ideal for delicate materials. Minimum interaction with the panel due to the linear movements on guides with recirculating balls.

xd



Suitable for use with panels with film.

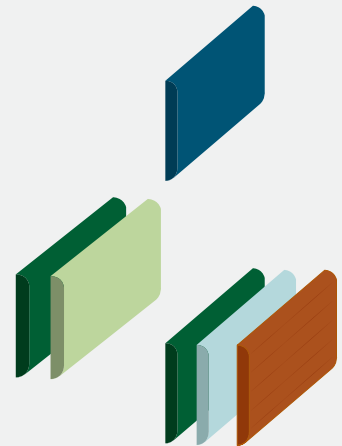
AUTOMATION PACKAGES



Edge scraping unit with 2 radii.



Edge scraping unit with 3 radii.



Optional units for stefani md

PANELS FROM NESTING MACHINING

Optimal finish of panels with holes for hardware on the upper side, due to the track feeler with 3 rotating support points (optional for trimming and edge scraper units), or with standard track feeler and Nesting Lock device.



Nesting track feelers
kd
md



Nesting Lock
xd

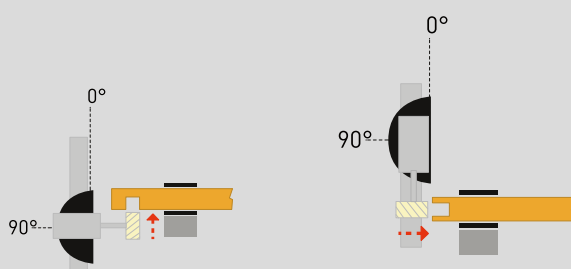
stefani xd/md/kd

operating groups

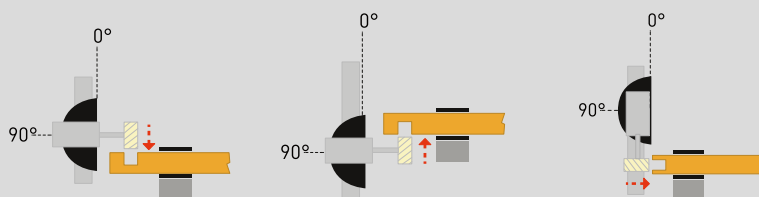
TOUPIE: Through or timed grooves on the upper (Toupie U only), lower and front sides of the panel.



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



TOUPIE U
Unit with vertical and front
feelers – 90 mm² max groove
section
md
xd



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



**GLUE SCRAPER UNIT
RCA/2C**
Removes any excess glue
in the edge/panel joints.
Optimal 2-bearings track
feeling.



BRUSHING UNIT SPF
To clean the panels and brighten plastic edges.
xd



EDGE BRIGHTENING UNIT PH/1600
To finish plastic edges.
xd



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.

machine structure



BASE:
"ZERO" VIBRATION
Extremely stiff steel monolithic structure.



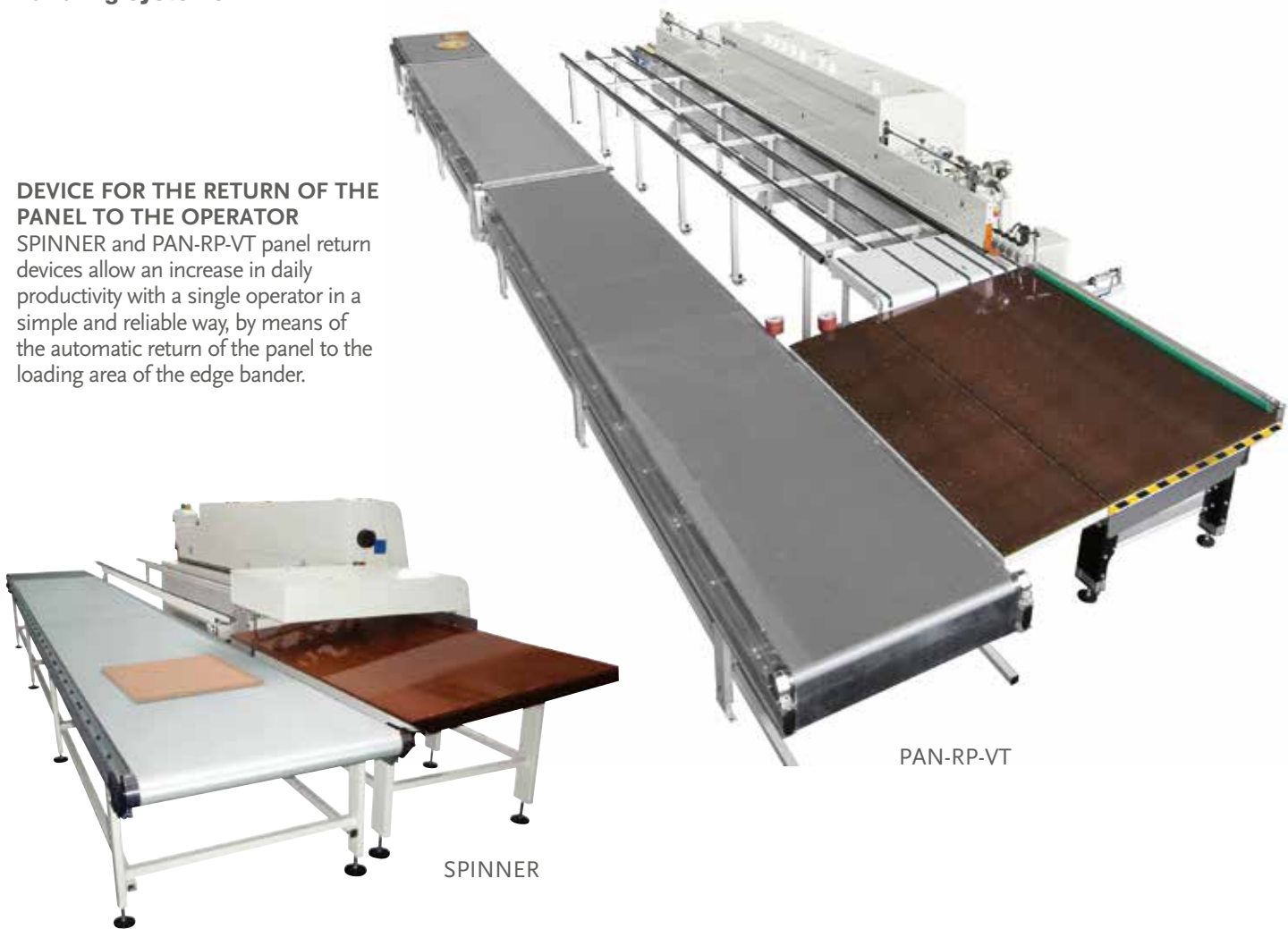
Belt presser: ideal for panels with delicate surfaces.

stefani xd/md/kd

handling systems

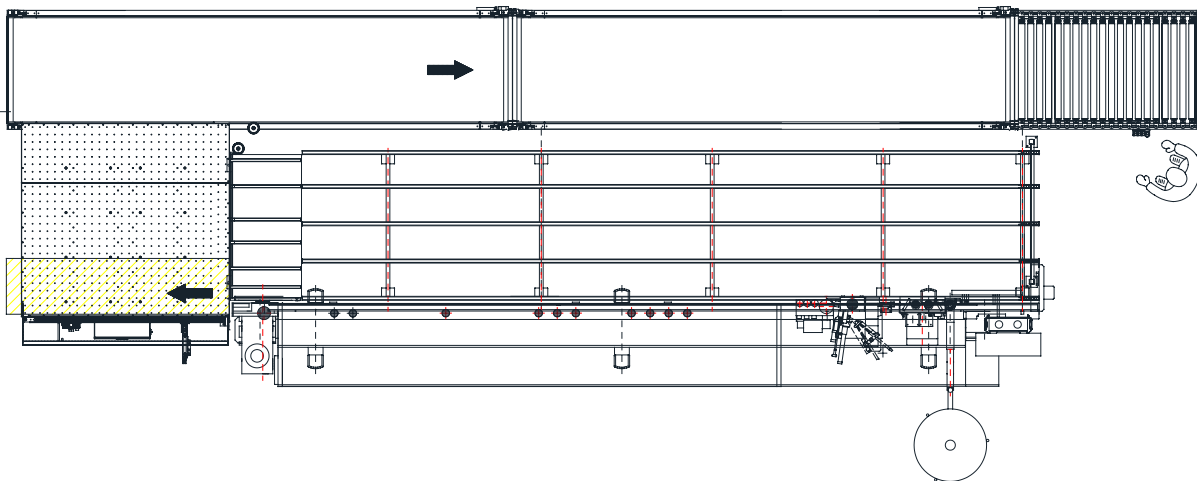
DEVICE FOR THE RETURN OF THE PANEL TO THE OPERATOR

SPINNER and PAN-RP-VT panel return devices allow an increase in daily productivity with a single operator in a simple and reliable way, by means of the automatic return of the panel to the loading area of the edge bander.



SPINNER

PAN-RP-VT



TECHNICAL DATA

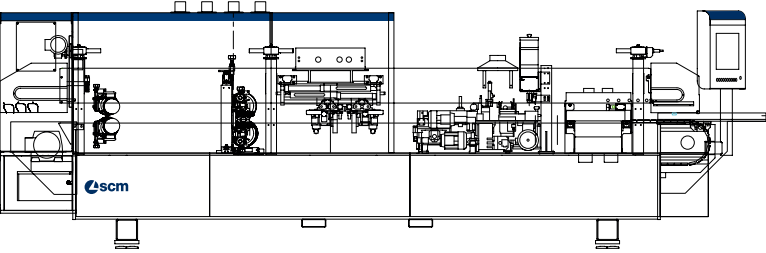
	SPINNER	PAN-RP-VT
Panel length	220 - 2000 mm	220 - 2000 (2500 opz)
Panel width	140 - 800 mm	200 - 1000 mm
Panel thickness	10 - 60 mm	10 - 60 mm
Max panel weight	40 kg	50 kg
Max working speed	18 m/min	25 m/min
Belt width	960 mm	1280 mm

stefani xd

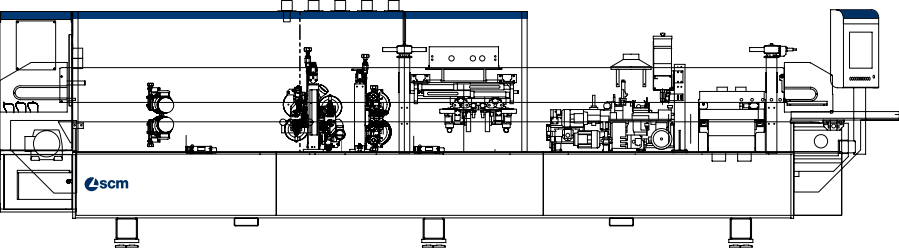
compositions

FEED SPEED UP TO 25 m/min

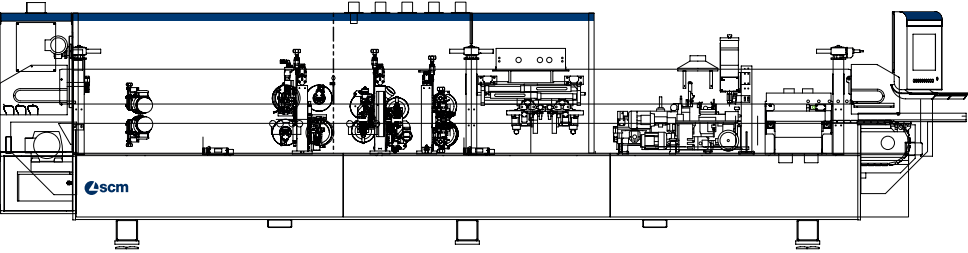
- thin edge 1st pass + 2nd pass - 25 m/min
- thick edge only 1st pass: comp. E - 25 m/min



Stefani XD D



Stefani XD D+



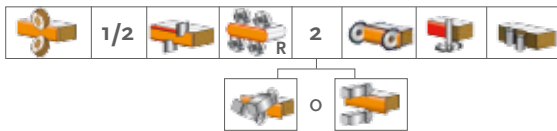
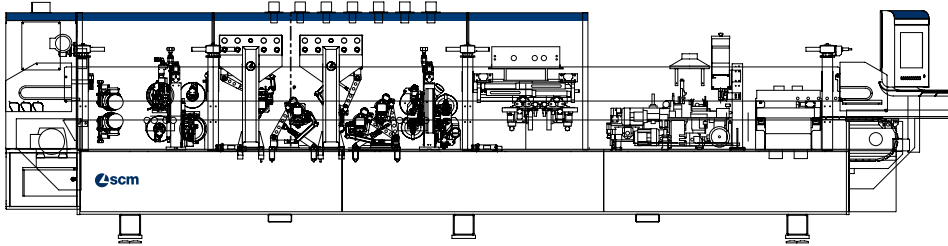
Stefani XD E

stefani xd

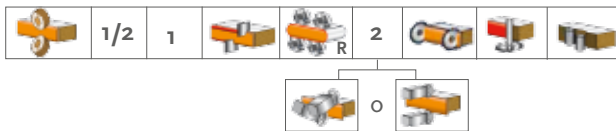
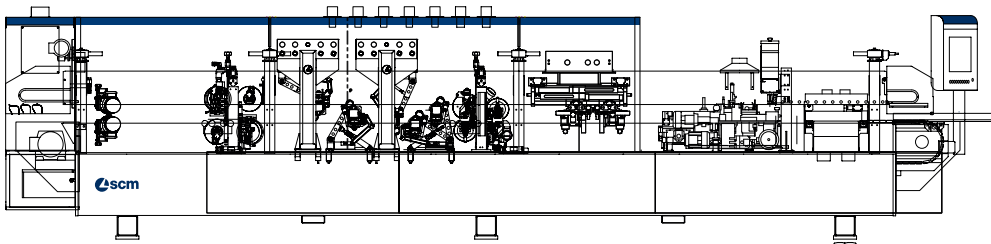
compositions

FEED SPEED UP TO 25 m/min

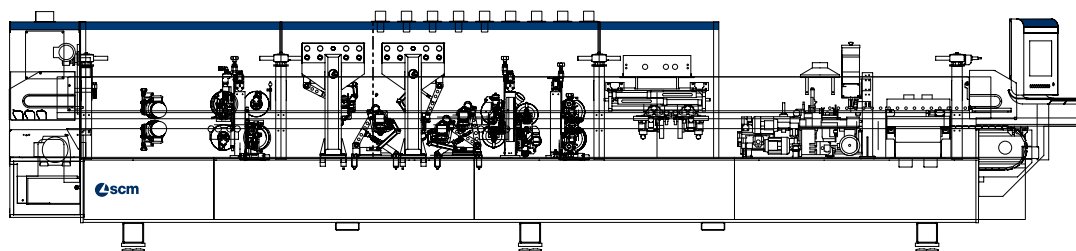
- thin edge 1st pass + 2nd pass - 25 m/min
- thick edge 1st pass + 2nd pass - 25 m/min



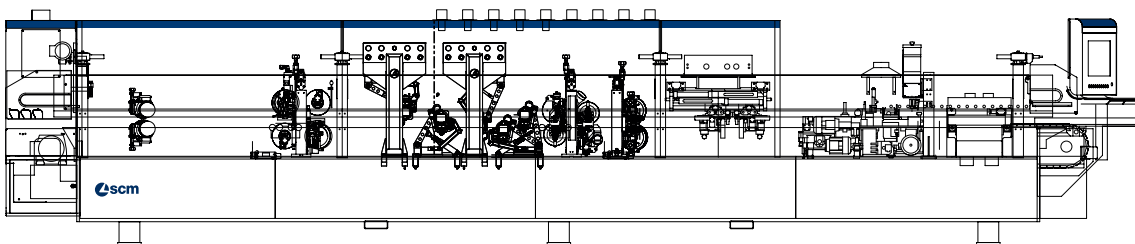
Stefani XD G



Stefani XD G+



Stefani XD H



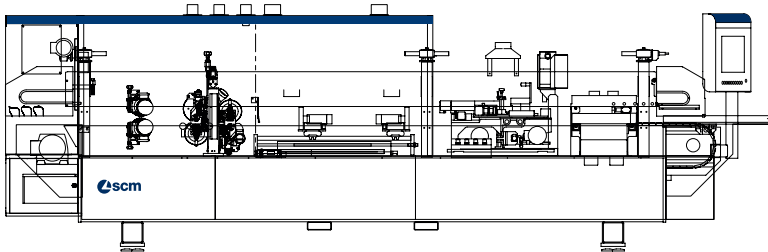
Stefani XD H+

stefani xd

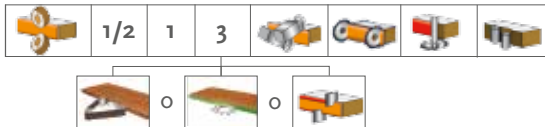
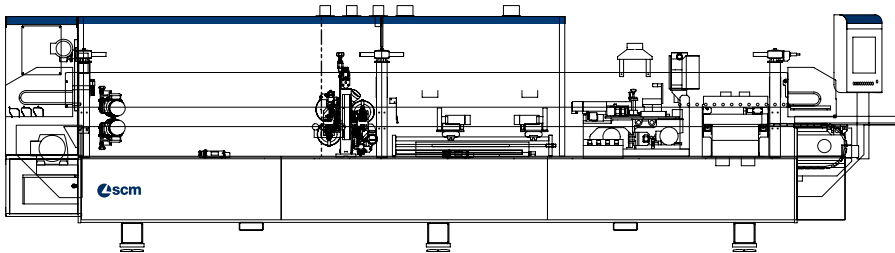
compositions

FEED SPEED UP TO 30 m/min

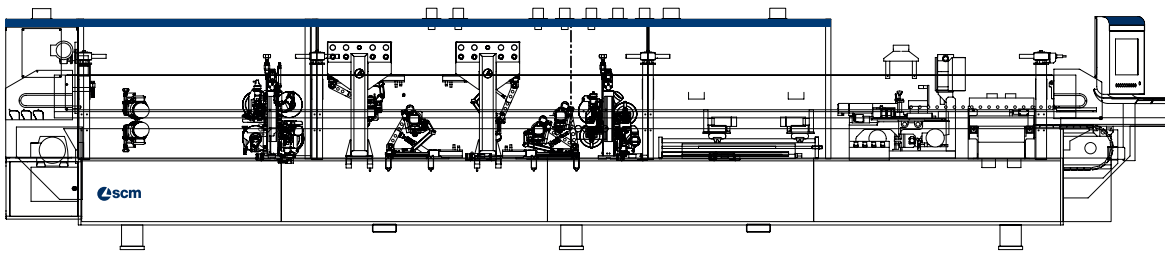
- thin edge 1st pass + 2nd pass - 30 m/min
- thick edge 1st pass + 2nd pass: comp. M+ - 30 m/min



Stefani XD L



Stefani XD L+



Stefani XD M+

OPTIONAL UNITS FOR STEFANI XD



Maximum noise levels measured according to the operating conditions established by EN ISO 18217:2015

Acoustic pressure in process 79 dbA (measured according to EN ISO 11202-97, uncertainty K ≤ 4 dB)

Acoustic power in process 97 dbA (measured according to ISO 3746-95, uncertainty K ≤ 4 dB)

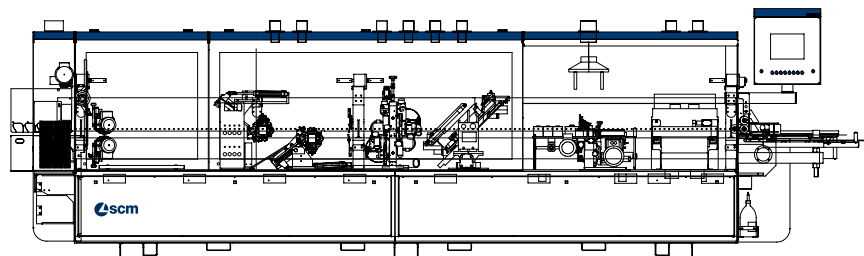
Even if there is a correlation between above mentioned "conventional" noise emission values and average levels of personal exposure over eight hours of operators, these last also depend on the real operating conditions, duration of exposure, acoustic conditions of the working environment and presence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

stefani md

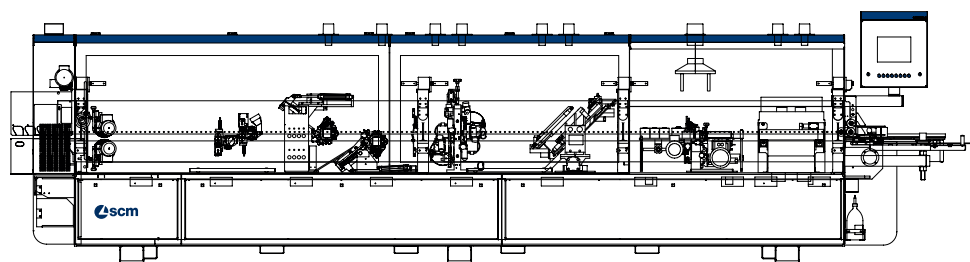
compositions

FEED SPEED UP TO 22 m/min

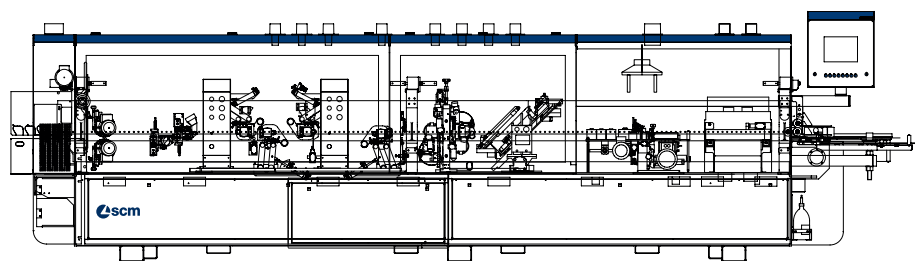
- thin edge 1st pass + 2nd pass - 22 m/min
- thin edge 1st pass - 22 m/min
- thin edge 2nd pass: - comp. MT-ER2, MT-ERS - 18 m/min
- comp. MT-ER4, MT-ER4S - 22 m/min



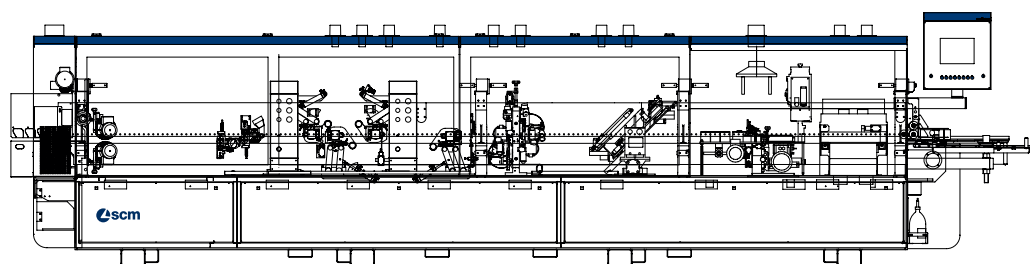
Stefani MD MT-ER2



Stefani MD MT-ERS



Stefani MD MT-ER4



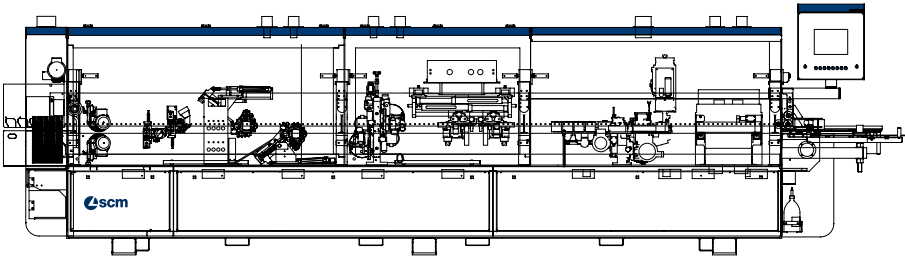
Stefani MD MT-ER4S

stefani md

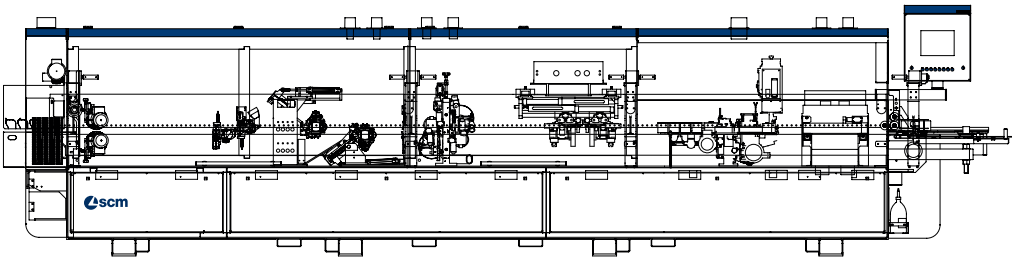
compositions

FEED SPEED UP TO 25 m/min

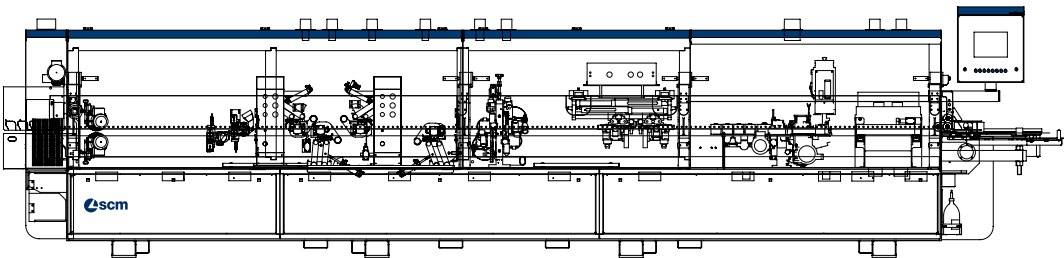
- thin edge 1st pass + 2nd pass - 25 m/min
- thick edge 1st pass - 25 m/min
- thick edge 2nd pass: - comp. T-ER2, T-ERS - 18 m/min
- comp. T-ER4S - 22 m/min



Stefani MD T-ER2



Stefani MD T-ERS



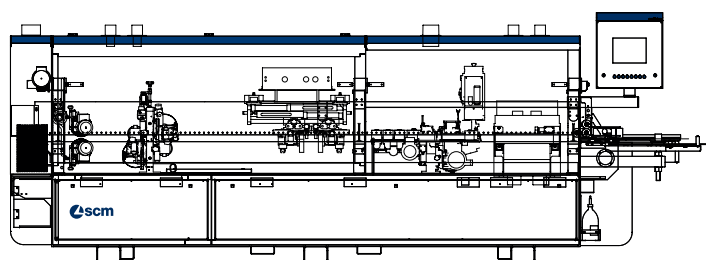
Stefani MD T-ER4S

stefani md

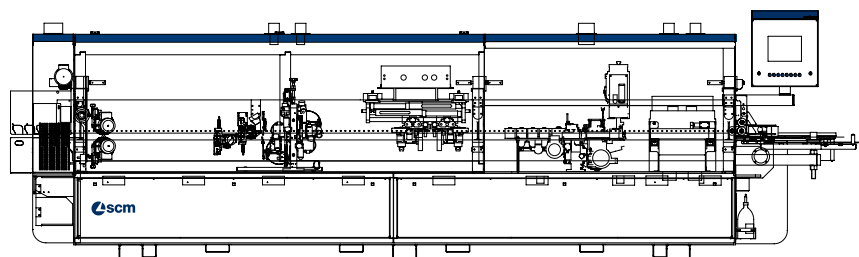
compositions

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

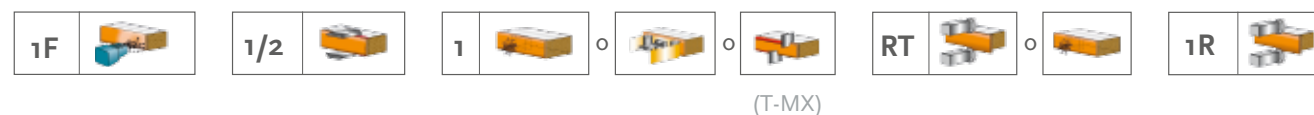


Stefani MD T-S



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 $K \leq 4$ dB)

Acoustic power in process 99 dbA (measured according to ISO 3746-2010, uncertainty $K \leq 4$ dB)

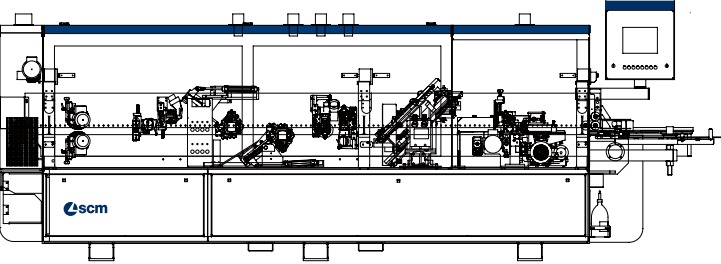
Even if there is a correlation between above mentioned "conventional" noise emission values and average levels of personal exposure over eight hours of operators, these last also depend on the real operating conditions, duration of exposure, acoustic conditions of the working environment and presence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

stefani kd

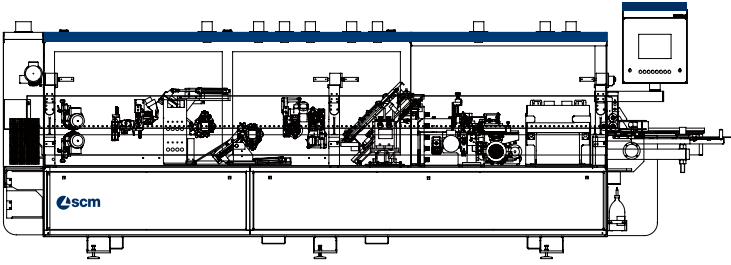
compositions

FEED SPEED UP TO 20 m/min

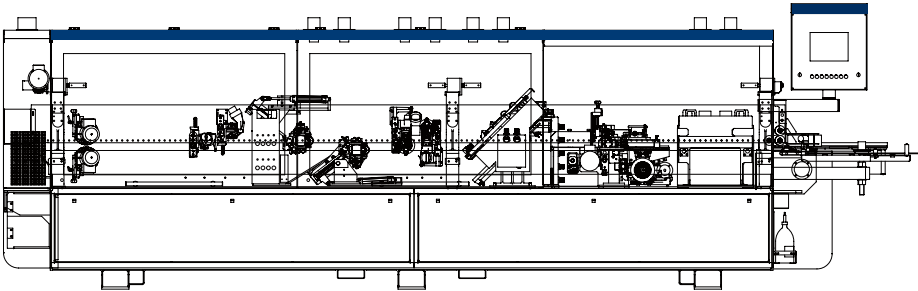
- thin edge 1st pass + 2nd pass - 20 m/min
- thick edge 1st pass - 20 m/min
- thick edge 2nd pass - 18 m/min



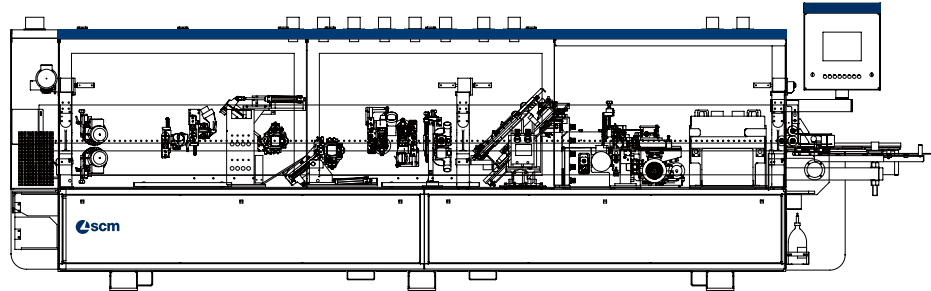
Stefani KD ER 2



Stefani KD T-ERL
Stefani KD HP T-ERL



Stefani KD T-ERS
Stefani KD HP T-ERS



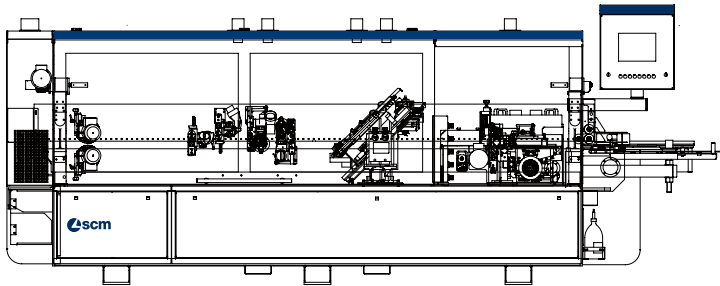
Stefani KD T-FR2
Stefani KD HP T-FR2

stefani kd

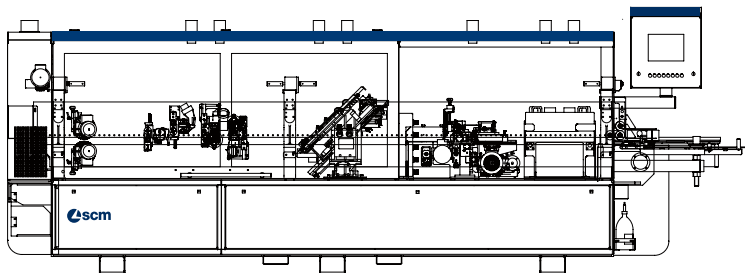
compositions

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 ≤ 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

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

17.000 machines manufactured per year

90% export

20 foreign branches

350 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



is more



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