

solution

Single-sided automatic edge banders

scmsolution

The effective and high-quality solution for every edge banding requirement

solution xd

solution xd

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

solution hd

solution hd

- EVA glue, PU glue, EVA+PU glue
- systems for panel loading assistance

solution md

solution md

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



| SOLUTION XD
page 04

| SOLUTION HD
page 06

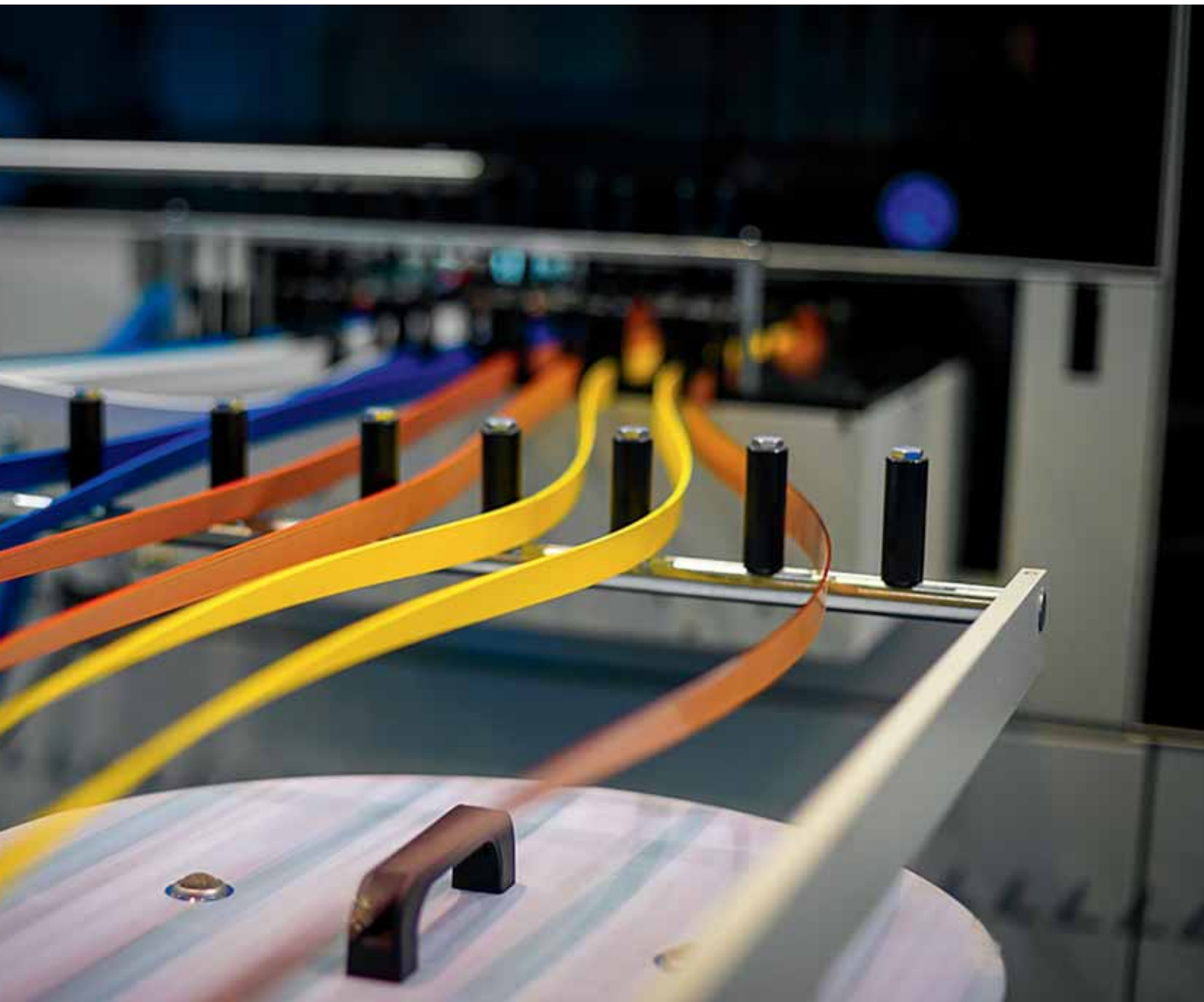
| SOLUTION MD
page 08

| EASY ORDER



solution

easy order



EVOLUTION SSB/SB

EVOLUTION C

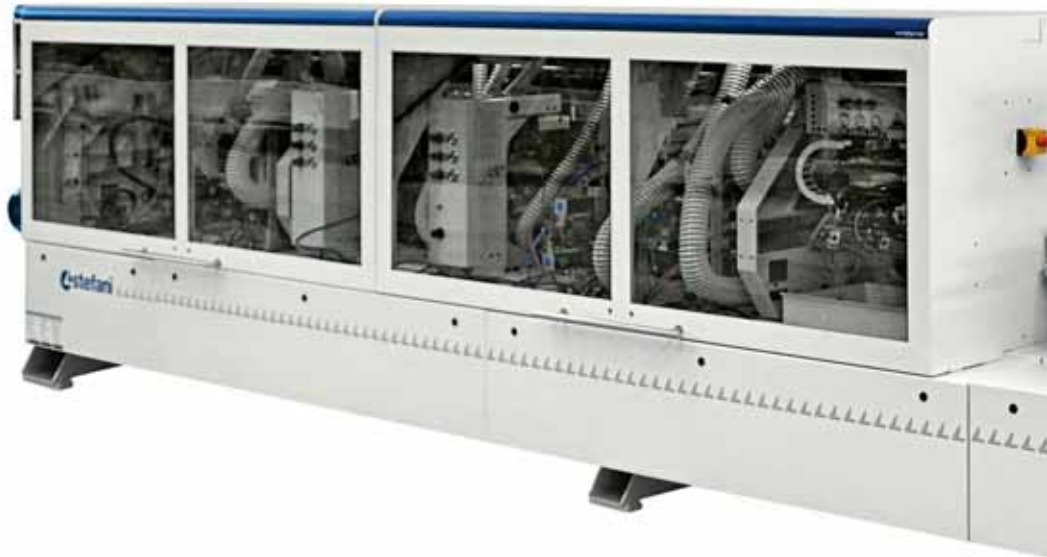
EVOLUTION 60

EVOLUTION ONE

EVOLUTION
POSTFORMING



solution xd



SOLUTION XD

Max. feed speed	m/min	25 (30*)
Edge thickness	mm	25*
Panel thickness	mm	10 – 60 (80 opt.)
Compressed air	bar	6
Types of glue to be applied		EVA, PU, EVA+PU, SLIM LINE

* 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.



solution hd



SOLUTION HD

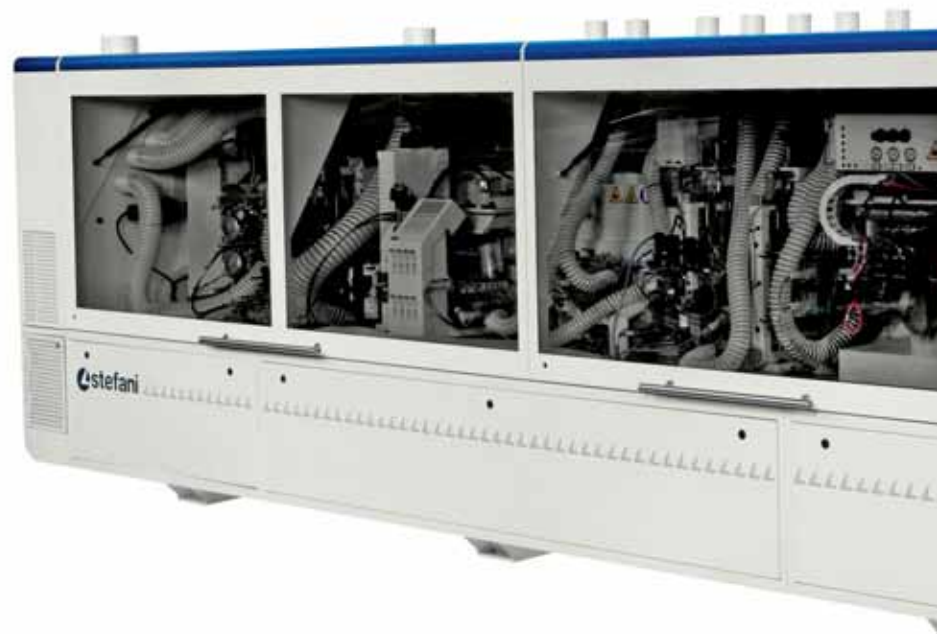
Max. feed speed	m/min	25 (30*)
Edge thickness	mm	0.3-12 (22*)
Panel thickness	mm	10 – 60
Compressed air	bar	6
Types of glue to be applied		EVA, PU, EVA+PU

* according to the requested machine composition

The ideal partner for companies that need high volume individual production during a single shift, with a wide range of materials. High quality performance and production output are always available due to the specific structural design and the technical solutions that allow for constant speed and precision when changing machining operations.



solution md



SOLUTION MD		
Panel thickness	mm	10 - 60
Edge thickness	mm	0,4 - 15 (22 opt.*)
Feed speed	mm	10-25
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.



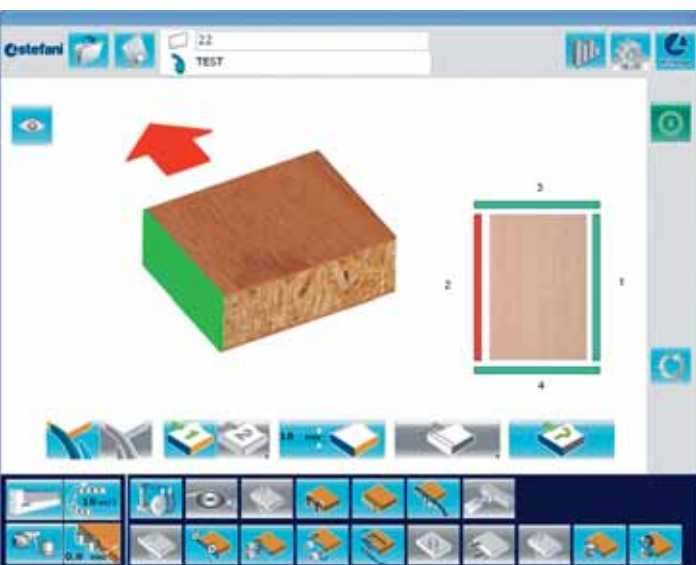
solution

Software



Star Touch 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



E-Touch: 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
- practical 17” touch screen operator interface
hd - xd



TELESERVICE

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

SAVENERGY:

LESS CONSUMPTION = LOWER COSTS

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



solution

Machine structure



BASE: "ZERO" VIBRATION

Extremely stiff steel monolithic structure.

PRESSER: STABLE PANELS UNDER ALL CONDITIONS



Wheels presser: ideal for panels up to 55 mm wide.

md



Belt presser: ideal for panels with delicate surfaces.



PANEL LOADING ASSISTANCE

Maximum integration with the company logistics with automatic introduction systems that connect the edge bander with the servo automation.

System for the introduction of very large narrow pieces.

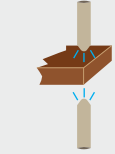
hd-xd



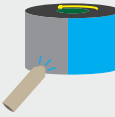
solution

Operating groups

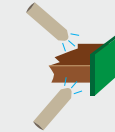
DEVICES FOR LIQUID FINISHING



Anti-adhesive AAR
Prevents the glue residue from adhering to the panels



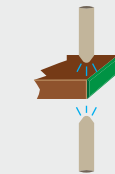
Anti-adhesive for pressure roller
Prevents the glue from adhering to the first pressure roller
hd - xd



ASR cooling device
Prevents the glue from adhering to the tools



Nebulizer device for delicate edges
Facilitates machining of panels with delicate edges or with protective films



Nebulizer device for edge finishing
Facilitates the finish of plastic edge brightening the colours along with the brushing unit

AAR



RECTIFIER: PERFECT JOINT LINE

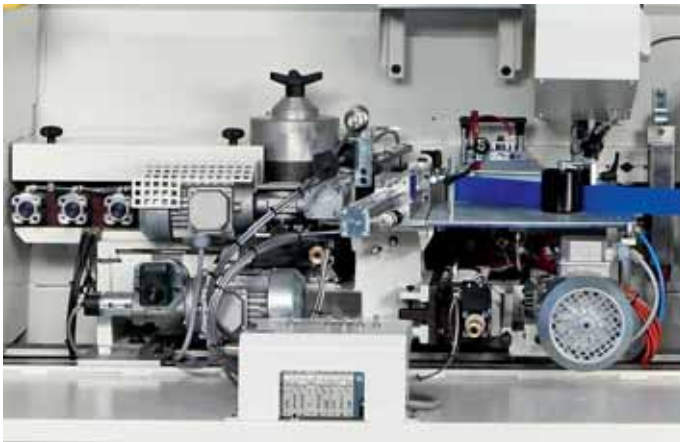
An optimal edge gluing surface is achieved with large diameter tools (100 mm)

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

The logo for edsystem, featuring a stylized blue 'e' followed by the text 'edsystem' in a bold, black, sans-serif font.

RTE





GLUING UNIT: PERFECT EDGE APPLICATION

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

VC 600



SLIM LINE: THE MOST IMPORTANT CHANGE IN EDGE BANDING

Optimised glue line process starting from 0.08 mm (Scm Group patent).

CATAS®

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



PU BOX L: GLUE ONLY WHEN NEEDED, NO WASTE

Integrated pre-melting device to melt polyurethane glues in 2 kg cartridges.

MAGAZINES FOR UP TO 12 ROLLS

Magazines that can hold up to 12 rolls that allow the immediate changeover when the roll ends or to change the colour.

12-roll vertical magazine
hd-xd



solution

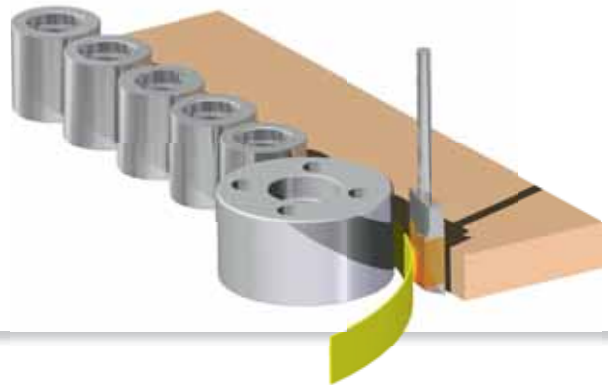
Operating groups

AirFusion by scm group

AirFusion provides a **surprising level of finishing quality**. This technology, edgbanding 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 GROUP's edgbanders.

AirFusion, with speeds from 15 to 25 metres per minute, can be configured to achieve different levels of performance.



END TRIMMING UNIT: PERFECT FINISH EVERY TIME

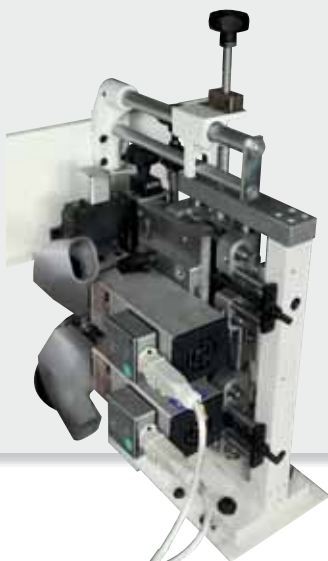
The optimal cut for excess edge is always guaranteed by a precise and reliable kinematics in all working conditions.

Machining speed up to 30 m/min



TRIMMER: EDGE ROUGHING AND FINISHING

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



RSP
md-hd



R-HD
Movements on
linear guides with
recirculating balls
xd

CHAMFERING UNIT: FINISHING AND VERSATILITY

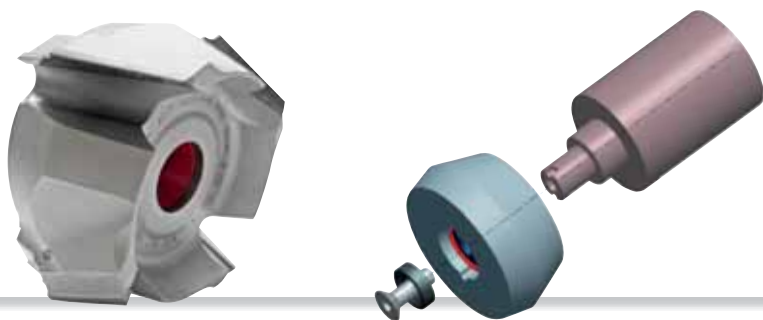
Excellent edge finish due to the vibration-free solid structure. Low machining changeover times with customisable automation packages.



RI/S
md-hd

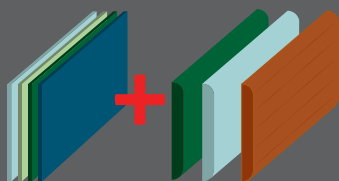


RSU -HD
Minimum interaction with
the panel due to movements
on linear guides with
recirculating balls.
xd



No vibration and immediate tool
change with the new ZERO
play interface.
xd

AUTOMATION PACKAGES



Up to an infinite number of thin
edges + 3 radiuses



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

solution

Operating groups

2-MOTOR CORNER ROUNDING UNITS

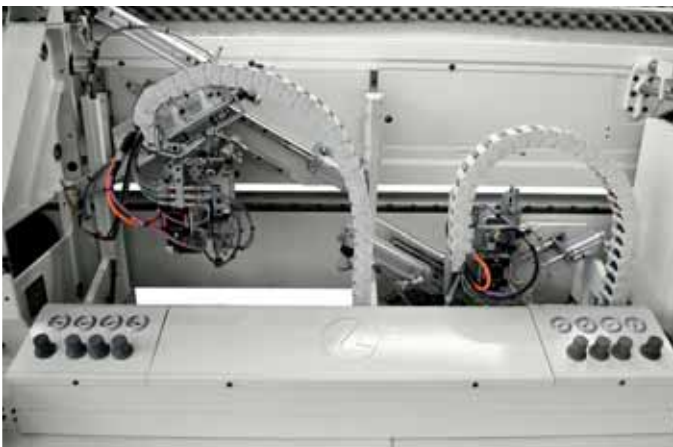
Excellent finish quality and different production levels are possible with a complete range of solutions for panel corner rounding and trimming.



ROUND/SK – 18 m/min

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

md-hd



ROUND 2 – 25 m/min

Utmost versatility: allows machining with no panel thickness or profile limits.

xd



2M100 – 34 m/min

Perfect for machining delicate panels, due to the constant track feeling force.

xd

4-MOTOR CORNER ROUNDING UNITS

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



C1+C2 – 22 m/min
Corner rounding and trimming with wooden edges and with panels with different profiles and radiuses.

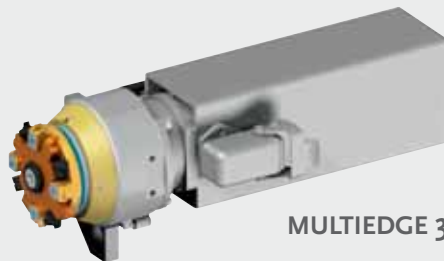


ROUND 4 – up to 35 m/min
Ideal for high and extremely high productivity processes with panels with different profiles, radiuses and materials.
xd

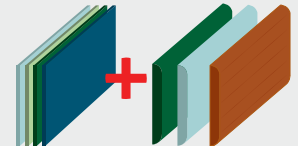
AUTOMATION PACKAGES



MULTIEDGE 2R

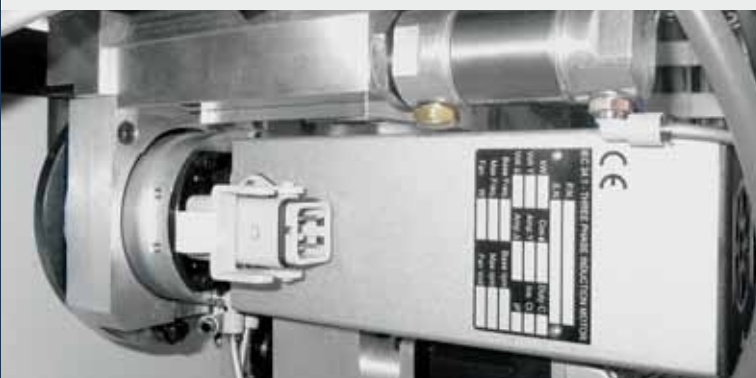


MULTIEDGE 3R



Flexible machining change up to an infinite number of thin edges + 3 radiuses

ADDITIONAL SOLUTIONS



ADAPTIVE TRACK FEELING CONTROL AFS
Perfect finish in the most demanding conditions (worn tools or panels with film) due to the instant micro-adjustment
(Scm Group patent)
xd

ED-SYSTEM optimised aspiration



solution

Operating groups

EDGE SCRAPER: 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

RAS/S 2P

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

hd



RCS-HD

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.



High machining quality at high speeds with staggered pre-track feelers.

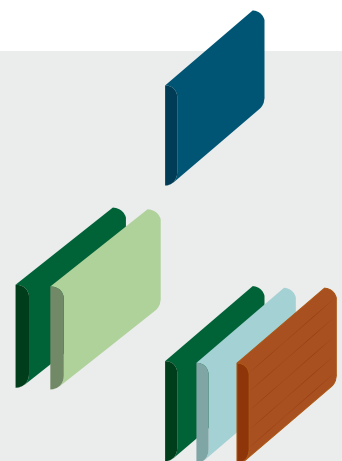
AUTOMATION PACKAGES



Edge scraping unit with 2 radii



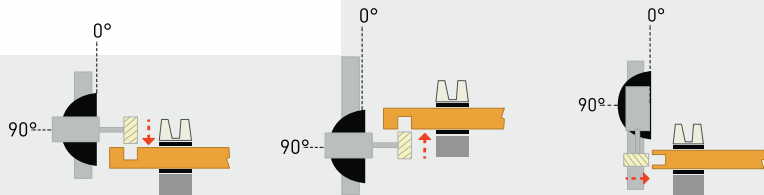
Edge scraping unit with 3 radii



Variants for automatic machine changeover



U SPINDLE MOULDER: THROUGH OR STOPPED GROOVES
on the lower, upper and front sides of the panel - unit fitted with vertical and front track feelers.



SANDER
For finishing and preparation of veneered and solid wood edges for painting.



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



BRUSHES
To clean the panels and brighten plastic edges.

BLOW DRYER
To brighten plastic edges.
hd - xd



solution

Operating groups

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

Nesting Lock
xd

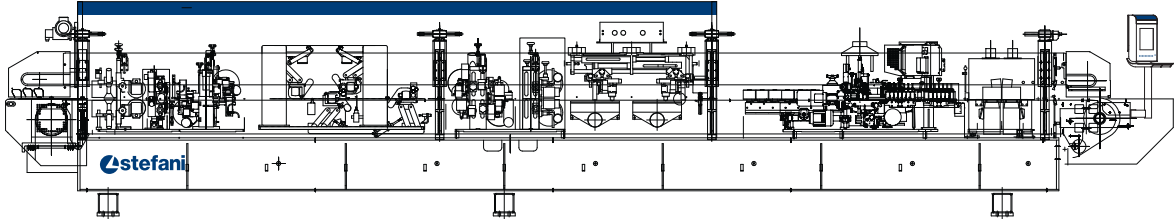


solution xd

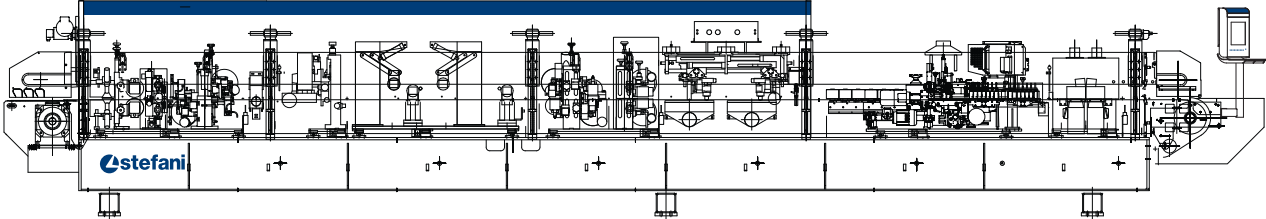
Compositions

FEED SPEED UP TO 25 m/min

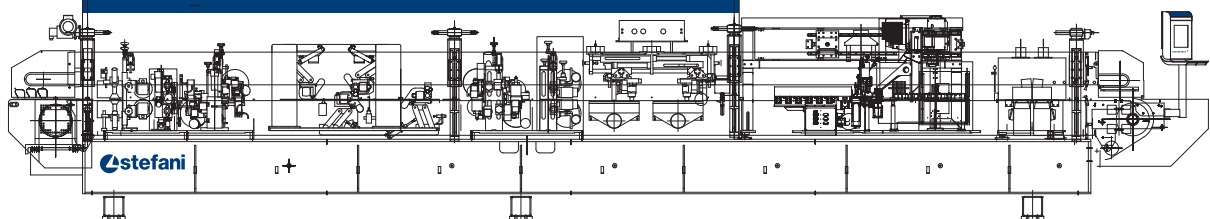
- thin edge 1st pass + 2nd pass - 25 m/min
- thick edge only 1st pass - 25 m/min
- thick edge 2nd pass - 22 m/min



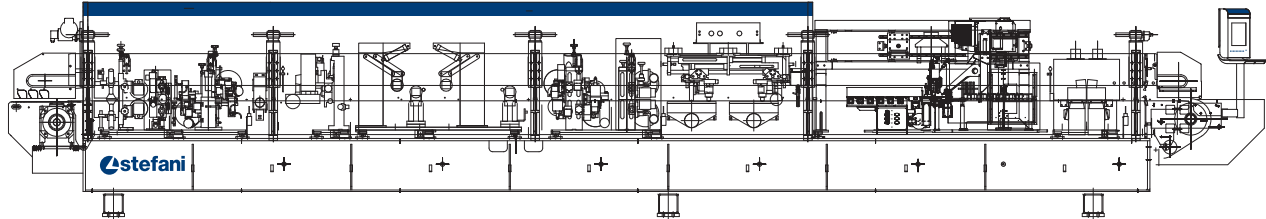
Solution XD A



Solution XD A +



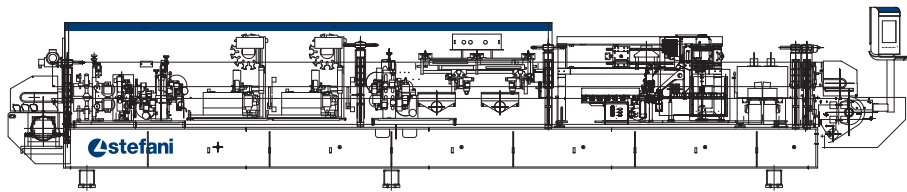
Solution XD B



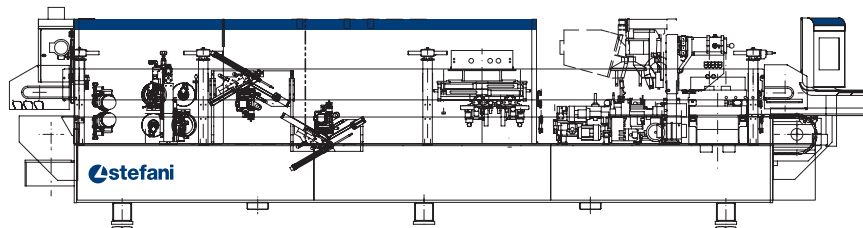
Solution XD B+

solution xd

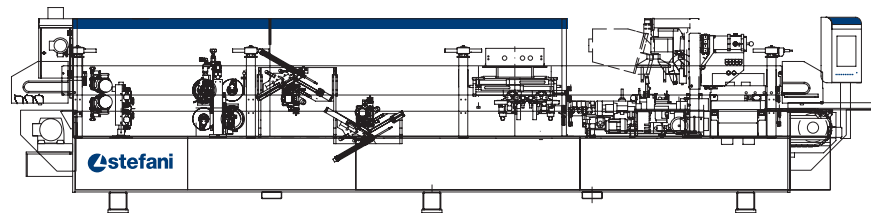
Compositions



Solution XD C+

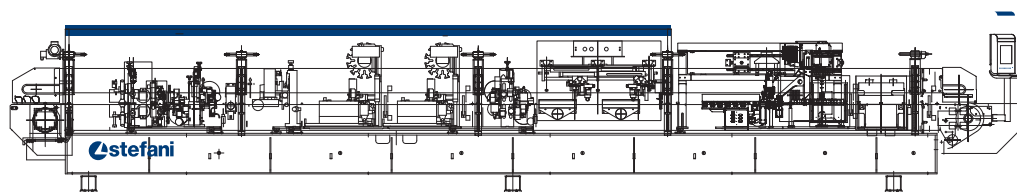


Solution XD F

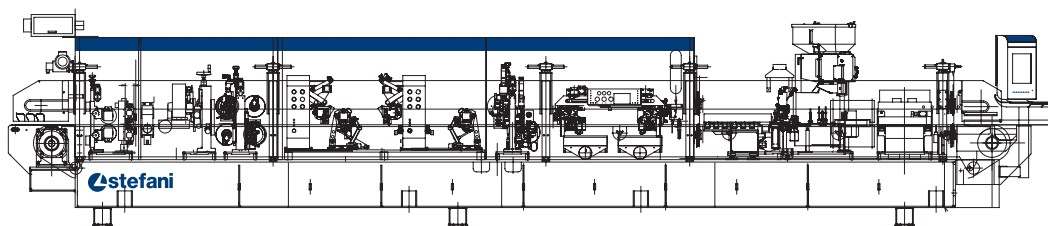


Solution XD F+

FEED SPEED UP TO 30 m/min



Solution XD C



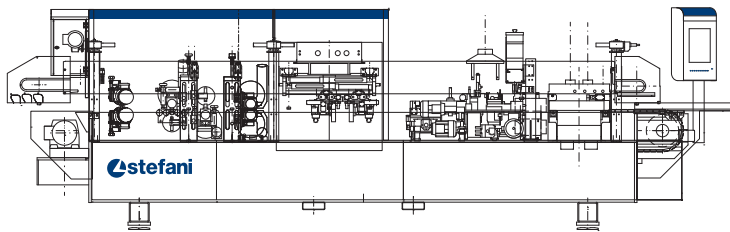
Solution XD M+

solution hd

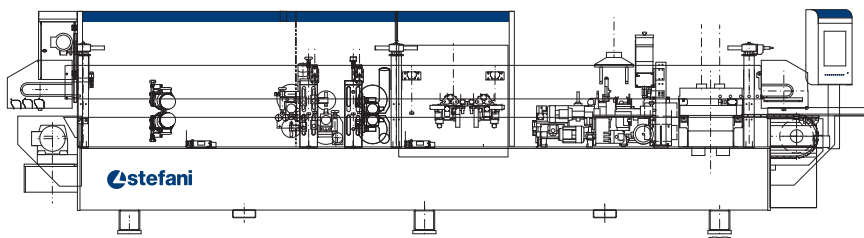
Compositions

FEED SPEED UP TO 25 m/min

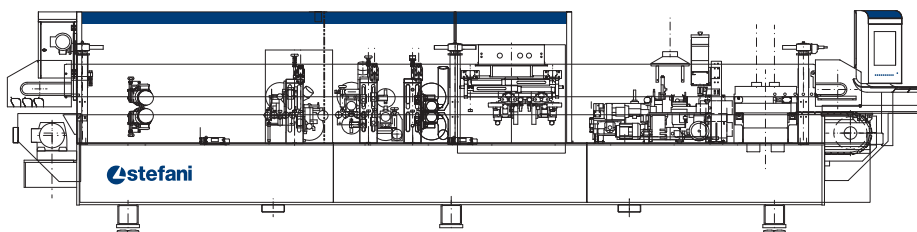
- thin edge 1st pass + 2nd pass - 25 m/min
- thick edge only 1st pass - 25 m/min



Solution HD R



Solution HD RT

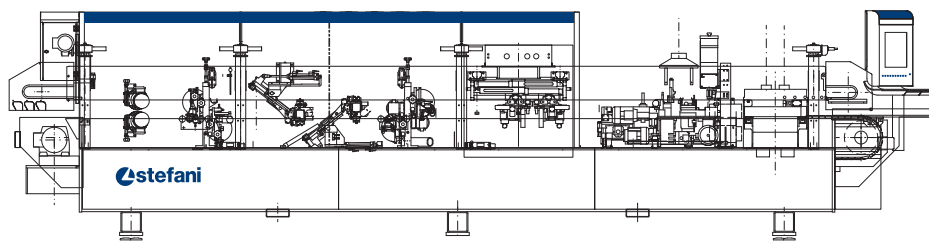


Solution HD RTS

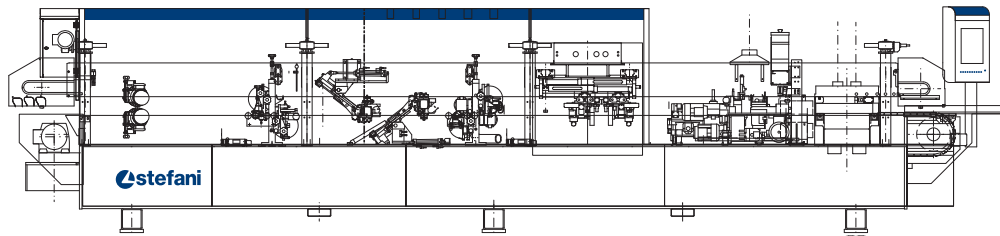
solution hd

Compositions

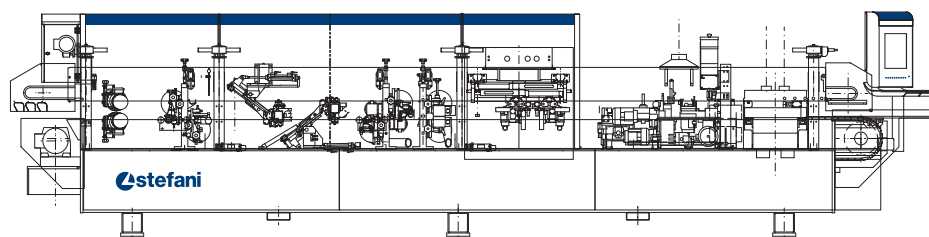
- thin edge 1st pass + 2nd pass - 25 m/min
- thick edge only 1st pass - 25 m/min
- thick edge only 2nd pass - 18 m/min



Solution HD A



Solution HD B

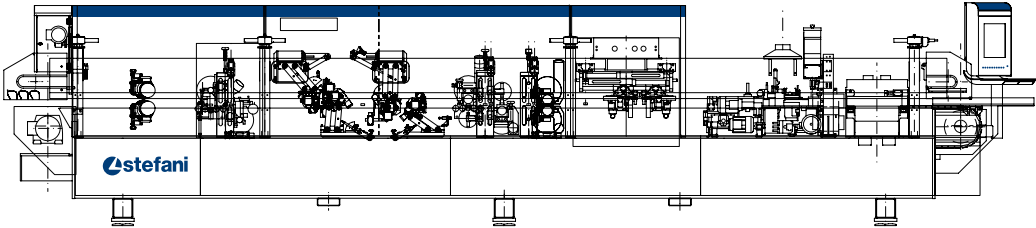


Solution HD B+

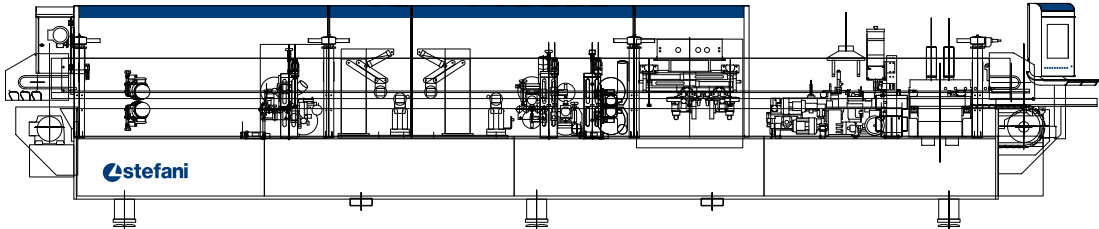
solution hd

Compositions

- thin edge 1st pass + 2nd pass - 25 m/min
- thick edge 1st pass - 25 m/min
- thick edge 2nd pass - 22 m/min



Solution HD R4



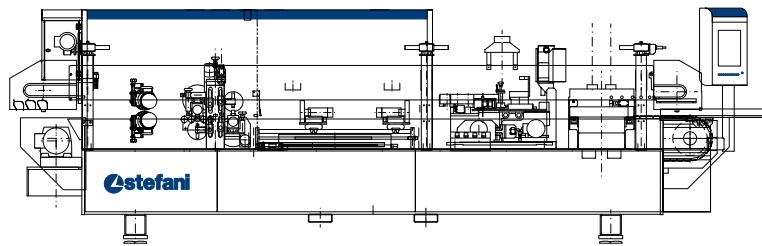
Solution HD RT4

solution hd

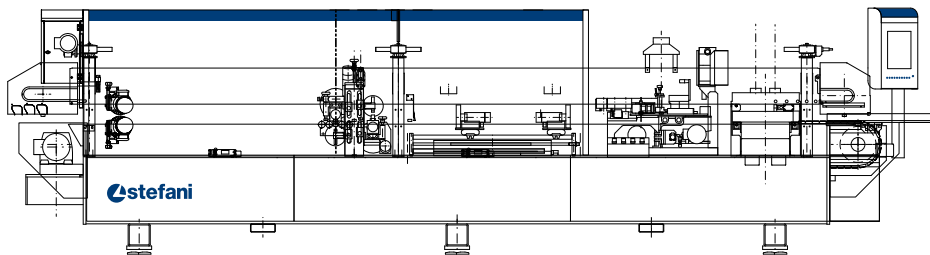
Compositions

FEED SPEED UP TO 30 m/min

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



Solution HD S-RA

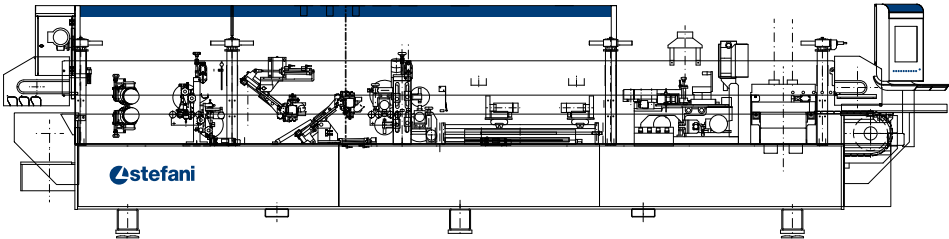


Solution HD S - RAT

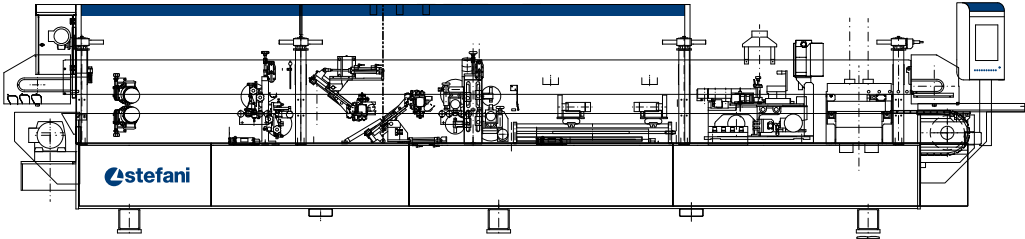
solution hd

Compositions

- thin edge 1st pass + 2nd pass - 30 m/min
- thick edge 1st pass - 25 m/min
- thick edge 2nd pass - 18 m/min



Solution HD C



Solution HD D

OPTIONAL GROUPS SOLUTION XD AND SOLUTION HD

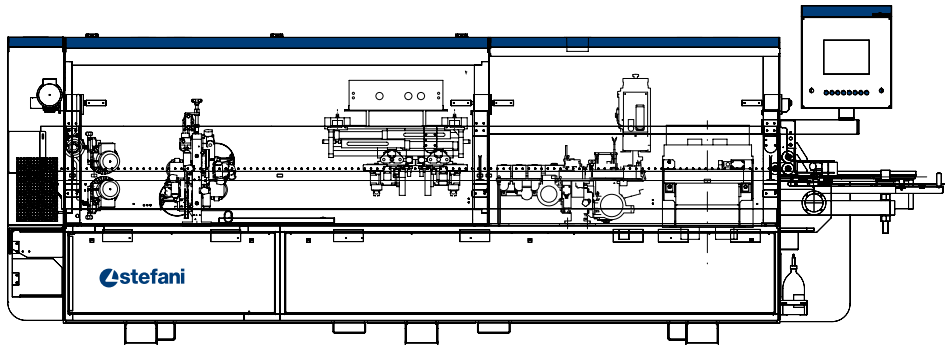


solution md

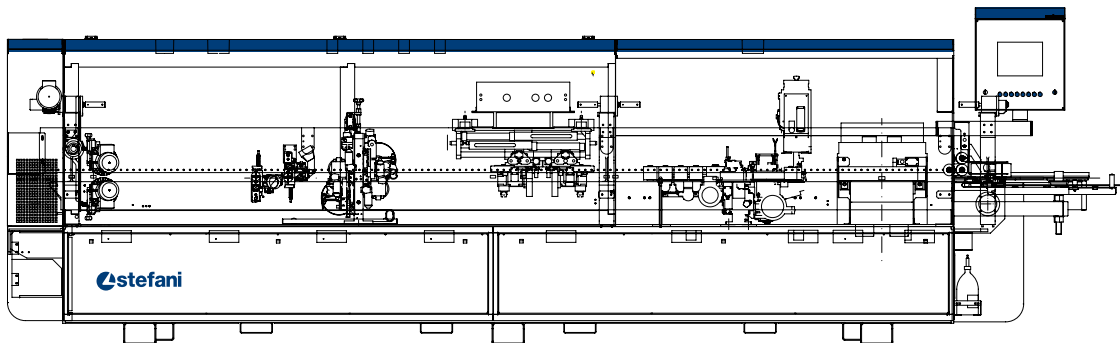
Compositions

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-ERS - 18 m/min
- comp. T-ER4S - 22 m/min



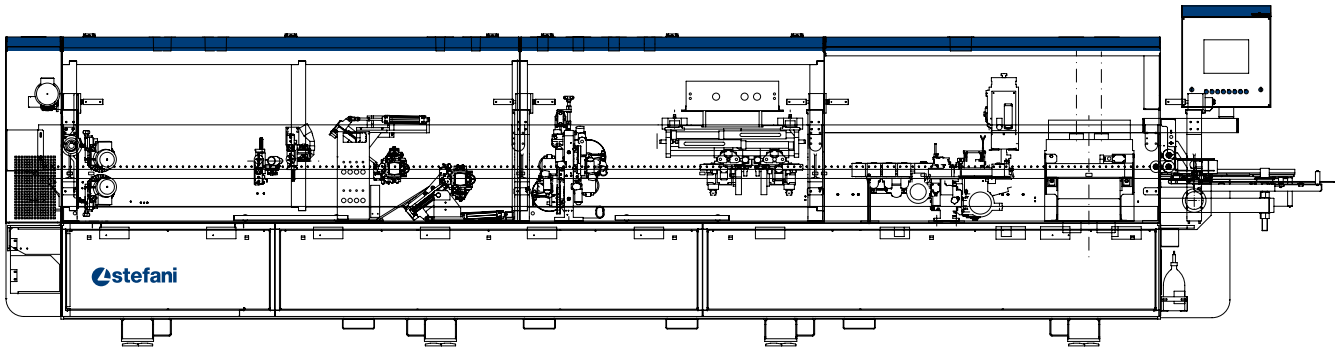
Solution MD T-S



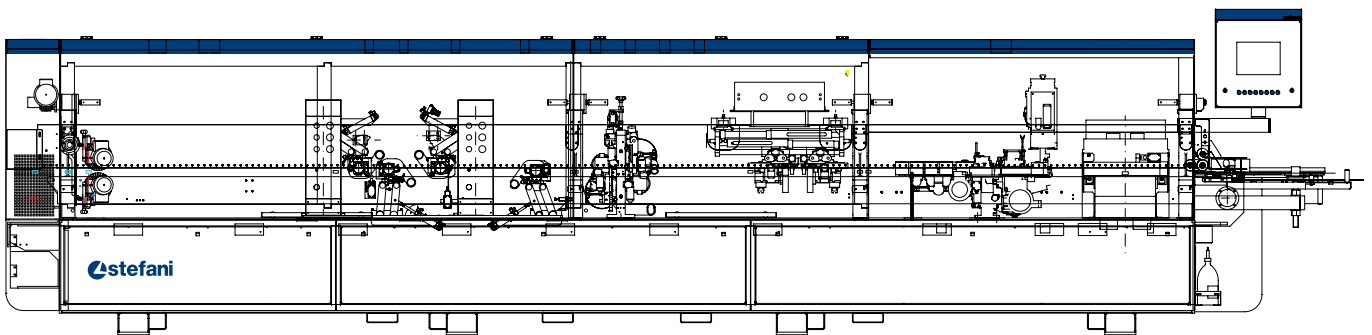
Solution MD T-MX

solution md

Compositions



Solution MD T-ERS



Solution MD T-ER4S

OPTIONAL GROUPS SOLUTION MD





A

B

C (T-MX)

A

B

- 
-  **scm**
 -  **minimax**
 -  **scm**
 -  **routech**
 -  **celaschi**
 -  **dmc**
 -  **superfici**
 -  **sergiani**
 -  **gabbiani**
 -  **morbidelli**
 -  **mahros**
 -  **stefani**
 -  **cpc**
 -  **scmgroup**
engineering

1
large integrated
group
/

14
specialist brands
/

18
production sites
/

19
foreign branches
/

more than 60 years
in business
/

80%
exports
/

350
agents and dealers
/

390
registered patents
/

500
support
technicians
/

3.000
square metres of
showroom
/

10.000
classical and
professional machines
manufactured per year
/

240.000
square metres of
production space
/



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scm  **group**

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.





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