

joinery machines

me range
edge banders for the advanced joinery



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00L0590748C



All “Made in SCM Italy”

From casting iron to finished product.

Come see our production plants and touch the quality of SCM machines; you will be our guest.



me range

Flexibility in edge banding.

Edge banders for the advanced joinery.

SCM's objective is to guarantee customers high quality technologies which meet their requirements in such a way as to make SCM the partner for any needs.

automatic edge banders

me 40
page 4



me 35
page 5



me 28t
page 6



me 25
page 6



me 22
page 7



me 20
page 7



manual edge bander and trimming machine

e 10
page 16



t 20
page 18



automatic
edge banders
me 40
me 35



		me 40	me 35
Thickness of rolled edges	mm	0,4 ÷ 3	0,4 ÷ 3
Max. thickness of edges in strips	mm	5	5 (me 35 - me 35t) - (me 35tr)
Min. ÷ max. panel height	mm	8 ÷ 50	8 ÷ 50
Min. panels length/width with rolled edges	mm	190 / 110	190 / 110 (me 35 - me 35t) 120 / 110 (me 35tr)
Feed speed	m/min	9	7
Find the complete technical specification at page 14			



Pre-milling unit
perfect joint line



Interchangeable
Glue Pot
also for PU gluing



High Frequency
reliability and precision



Rounding unit
brilliant idea



Control Panel
ease-of-use

Ease-of-use automatic edge banders, also with edging solid wood strips up to 5 mm thickness, offers the “very best” performance in edge banders at this level. The features, make them the perfect edge bander for small woodworking furniture and panel processing companies.

automatic
edge banders
me 28t
me 25
me 22
me 20



		me 28t	me 25	me 22	me 20
Thickness of rolled edges	mm	0,4 ÷ 3	0,4 ÷ 3	0,4 ÷ 2	0,4 ÷ 2
Max. thickness of edges in strips (* End-Cutting unit excluded)	mm	5	5	5*	5*
Min. ÷ max. panel height	mm	12 ÷ 50	12 ÷ 50	12 ÷ 50	12 ÷ 50
Min. panels length/width with rolled edges	mm	190 / 110	190 / 65	190 / 65	180 / 65
Feed speed	m/min	7	7	7	6
Find the complete technical specification at page 14					



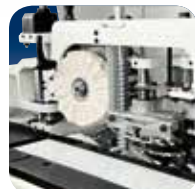
Gluing Unit
efficiency



"Radius" End-Cutter
practical and
precise



Trimming Unit
excellent finishing



Finishing Units
superior quality



Control Panel
ease-of-use

Automatic edge bander with glue pot to edge band, with great flexibility, with melamine edges, PVC and ABS up to 3 mm and wooden strips up to 5 mm.

automatic edge banders operating groups



me 28t/me 25/me 22



me 40/me 35



me28t



me 40tr/me 40t/me 35tr/me 35t

designed
for a perfect finish

Panel Feed Speed

By track (me 40/me 35).

High productivity by the track feed speed. The encoder for feeding panel control (me 40) ensures the total working cycle control.

Conveying track (me 28t/ me 25/ me 22/me 20).

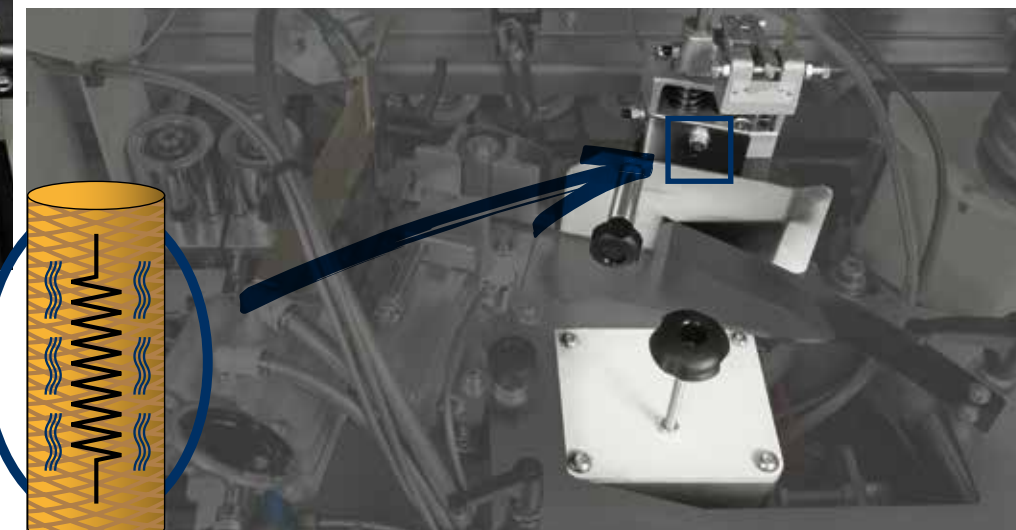
The very best finishing of the panel edge is also guaranteed by the panel conveying track (exclusive solution), which prevents the panel having the feed affected by the typical pulses generated by the pinion of a traditional feed track and ensures a smooth and linear panel movement.

perfect edge joint line

Pre-Milling Unit.

me 40tr/me 40t/me 35tr/me 35t/me 28t

Panel edge surface without any imperfections before the gluing operation. It utilizes 2 tools (1 tool for me 28t) with opposing rotation and timed intervention that, through the removal operation, corrects any panel imperfections caused by the saw cutting process and panel storage. The independent exhaust system and the air blowing device removes dust and chips from the panel.
- Diamond cutters available as standard feature



deal edge application

Gluing Unit.

The glue is heated rapidly and evenly by the resistances. The **automatic lowering of the glue temperature** after a temporary halt in production when using the machine avoids burning of the glue. A new **innovative system of self-lubrication of the glue pot**, allows a more extensive use of the edge banding machine without the necessity of lubrication. Two rollers press the edge banding evenly and efficiently on to the panel edge. The glue spreading roller with electrical resistance inside provides a uniform glue spread and always at the maximum working temperature even on panels at the maximum working height.

Glue pot rapid unlocking and PU glue pot are available as an option (me 40/me 35).

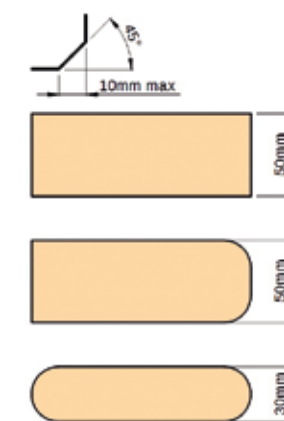
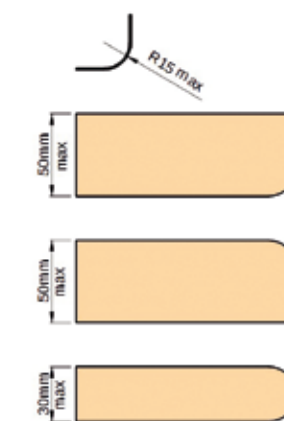
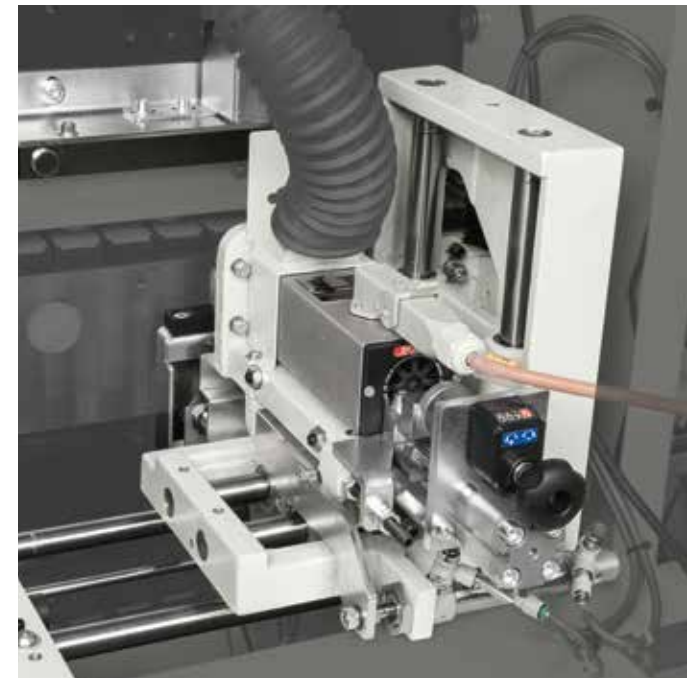
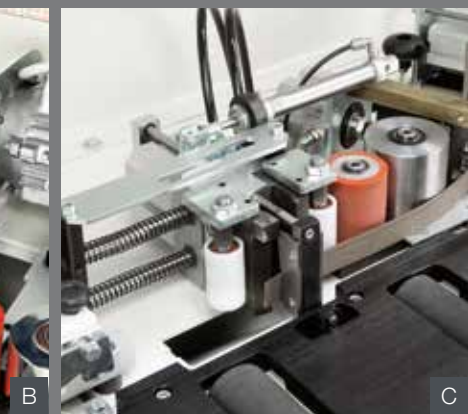
always precise when cutting

End-Cutting Unit.

me 40/me 35: the unit is equipped with a blade and a high frequency motor to provide the **best finishing quality** of the machined edge. Furthermore, the absence of belts or other driving systems prevents any vibration assuring **the best results at all times.** (A)

me 28t/me 25: absolute precision offered by the unit, with a cutter and an independent asynchronous motor. (B)

me 22/me 20: the efficient cutter ensures cutting always accurate. The reference is taken directly on the panel itself; consequently it doesn't require any adjustment. (C)



brilliant idea

Rounding Unit.

me 40tr/me 35tr

It carries out the rounding of thin and thick edges up to 3 mm, for the best panel finish quality.

automatic edge banders operating groups



me 28t



me 40t/me 35t



automatic edge banders electronic controls



ease-of-use

Control Panel.

Optimal managing of the machine thanks to the 4" graphic display with large and bright characters, keyboard with LED "soft touch" keys, adjustment and indication of the temperature for the glue pot.

brilliant idea

End-Cutting Unit with "Radius".

me 40t/me 35t/me 28t

The unit (optional for me 28t) allows you to make a radius on the corners of the edged panel without the need for the operator to have to finish by hand at a later stage: brilliant idea to a finished product of high quality.

quality finishing and versatility

Trimming Unit.

me 40/me 35: very high edge quality finishing with **the rotating copiers.**

The high frequency motors generate high cutter rotating speed, reducing to a minimum any marks left from trimming and guaranteeing the absence of vibrations. (A)

me 28t/me 25 ed me 22/me 20: the unit functions with slide copying to align perfectly to the work piece. (B) The cutters are designed for straight or radius trimming of any type of edge, whether it is thick or thin, made of PVC, ABS, melamine, laminate or wood. The edge thickness is easily set by means of two numerical readouts.



A

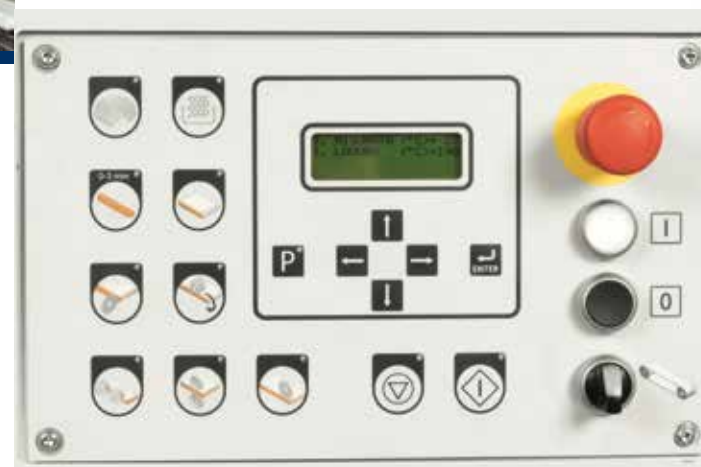


B



PLC Control System.

Simple and intuitive, it allows an easy selection of all the main functions and guides the operator during maintenance, cleaning and diagnostic operations.



automatic edge banders optional operating groups

ease-of-use

Automatic Loading for Edges in Strips.

me 40/me 35/me 28t/me 25

The solid wood strips are automatically loaded and synchronized with the introduction of the panels into the machine.



optimal finishing

Brushing Unit.

me 40/me 35/me 28t/me 25

With tilted, vertically adjustable motors to optimize the cleaning/polishing action on the panel edge.

perfect radius on
pvc/abs edges

Edge Scraping Unit.

me 40/me 35/me 28t/me 25/me 22

High finishing quality of plastic material edges thanks to the radius knives that ensure the complete elimination of any marks left from the trimming unit tools, all equipped with a **front and vertical disc copiers (me 40/me 35)**, and a user-friendly device for exclusion of the unit when it is not in use.

perfect edge cleaning

Glue Scraping Unit.

me 40/me 35/me 28t/me 25/me 22

It eliminates any excess glue on the panel/edge joint.



innovation at
everybody's reach

Grooving Unit.

me 40/me 35

The optional unit is able to perform a slot on the panel directly on the edging process, **without having to sacrifice the finishing and cleaning units.**



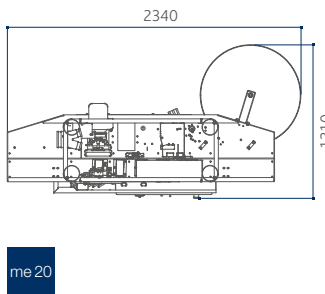
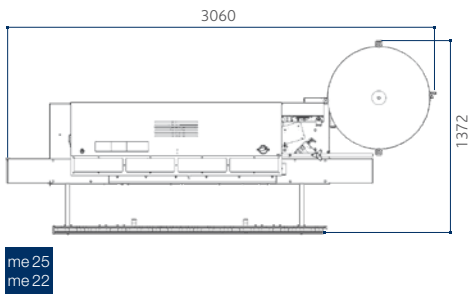
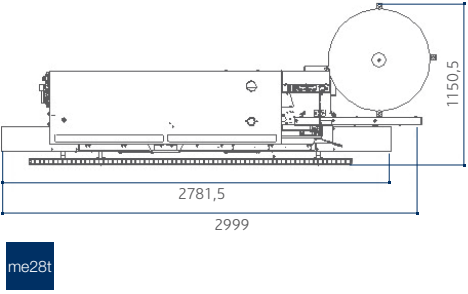
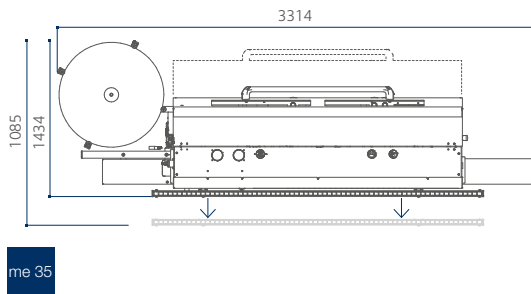
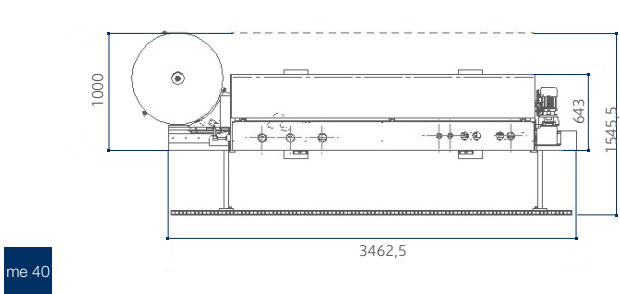
perfect finish quality

Spry-mist Device and Anti-adhesive Unit for Edge Finish.

The units improve the panel cleaning and polishing.



automatic
edge banders
technical
data



TECHNICAL DATA		me 40	me 35	me 28t	me 25	me 22	me 20
Worktable dimensions	mm	3465 x 710	3000 x 525	2800 x 570	2600 x 530	2600 x 530	1950 x 180
Worktable height	mm	875	904	904	904	904	904
Thickness of rolled edges	mm	0,4 ÷ 3	0,4 ÷ 3	0,4 ÷ 3	0,4 ÷ 3	0,4 ÷ 2	0,4 ÷ 2
Thickness of edges in strips	mm	5	5	fino a 5	5	2	2
Min. ÷ max. panel height	mm	8 ÷ 50	8 ÷ 50	12 ÷ 50	12 ÷ 50	12 ÷ 50	12 ÷ 50
Min. panels length / width with rolled edges	mm	190 / 110	190 / 110	190 / 110	190 / 65	190 / 65	180 / 65
Min. panel length cut only on the front	mm	120	120	120	120	120	120
Feed speed	m/min	9	7	7	7	7	6
Feeder motor power (S1)	kW	0,55	0,55	0,55	0,55	0,55	0,25
Pneumatic operating pressure	bar	6,5	6,5	6,5	6,5	6,5	6,5
Working temperature	°C	20 ÷ 190	20 ÷ 190	20 ÷ 190	20 ÷ 190	20 ÷ 190	20 ÷ 190
pre-milling unit (me 40tr/me 40t/me 35tr/me 35t/me 28t)							
Motor power (S1)	kW	2,2	2,2	2,2	-	-	-
Cutters rotating speed	rpm	7.200	7.200	7.200	-	-	-
Diamonds cutters (standard)		N.2 Ø 80 mm H=56 Z2	N.2 Ø 80 mm H=56 Z2	N.1 Ø 80 mm H=56 Z2	-	-	-
Stock removals	mm	0 ÷ 2	0,5 / 1 / 1,5 / 2	0,5 / 1 / 1,5 / 2	-	-	-
gluing unit							
Motor power (S1)	kW	0,18	0,18	0,18	0,18	0,18	0,18
Glue capacity	kg	~ 0,8	~ 0,8	~ 0,8	~ 0,8	~ 0,8	~ 0,8
end-cutting unit							
Motor power (*high frequency motor)	kW	0,19*	0,19*	0,37	0,37	-	-
End-cutting blade		Ø 125 mm Z20	Ø 125 mm Z20	Ø 90 mm Z20	Ø 90 mm Z20	knives	knives
Blade rotating speed	rpm	12.000	12.000	12.000	12.000	-	-
rounding unit							
Motor power (S1)	kW	0,35	0,35	-	-	-	-
Cutter		Ø 58 mm Z4	Ø 58 mm Z4	-	-	-	-
Cutter rotating speed	rpm	12.000	12.000	-	-	-	-
trimming unit							
Upper and lower motor power (*high frequency motors)	kW	2 x 0,35*	2 x 0,35*	0,75	0,75	0,55	0,55
Diamond cutters		Ø 55,3 mm Z3	Ø 55,3 mm Z3	Ø 75 mm Z4	Ø 75 mm Z4	Ø 75 mm Z4	Ø 75 mm Z4
Cutters rotating speed	rpm	12.000	12.000	9.000	12.000	12.000	12.000
additional technical features							
Exhaust outlets pre-milling unit, number / diameter	n./mm	60	2 / 80	80	-	-	-
Exhaust outlet gluing unit, diameter	mm	80	60	60	60	60	60
Exhaust outlets trimming unit, number / diameter	n./mm	60	2 / 60	-	-	-	-
Exhaust outlet on base structure, diameter	mm	-	-	120	120	120	120

MAIN OPTIONAL DEVICES	me 40	me 35	me 28t	me 25	me 22	me 20
Anti-adhesive device	O	O	-	-	-	-
Pre-Milling unit	S ³⁻⁴	S ³⁻⁴	S	-	-	-
Panel heating system	O	O	S	-	-	-
Automatic Loading for Edges in Strips	S	S	S	S	S	S
Automatic Loading for Edges in Strips with storage	O	O	O	O	-	-
Standard gluing unit	S	S	S	S	S	S
Interchangeable gluing unit and PU	O	O	-	-	-	-
End-Cutting unit with shear device	-	-	-	-	S	S
End-Cutting unit with blade	S	S	S	S	-	-
End-Cutting unit with “Radius”	S ³	S ^{3-*}	O	-	-	-
Rounding unit	S ⁴	S ^{4-*}	-	-	-	-
Trimming unit	S	S	S	S	S	S
Edge Scraping unit	O	O	S	S	O	-
Spry-mist device for edge finish	O	-	-	-	-	-
Glue Scraping unit	O	O	S ¹	S ¹	O	-
Brushing unit	O	O	S ²	S ²	O	-
Grooving unit	O	O	-	-	-	-

¹ RC version

² SP version

³ T version

⁴ TR version

* instead of the standard End-Cutting unit

S Standard

O Option

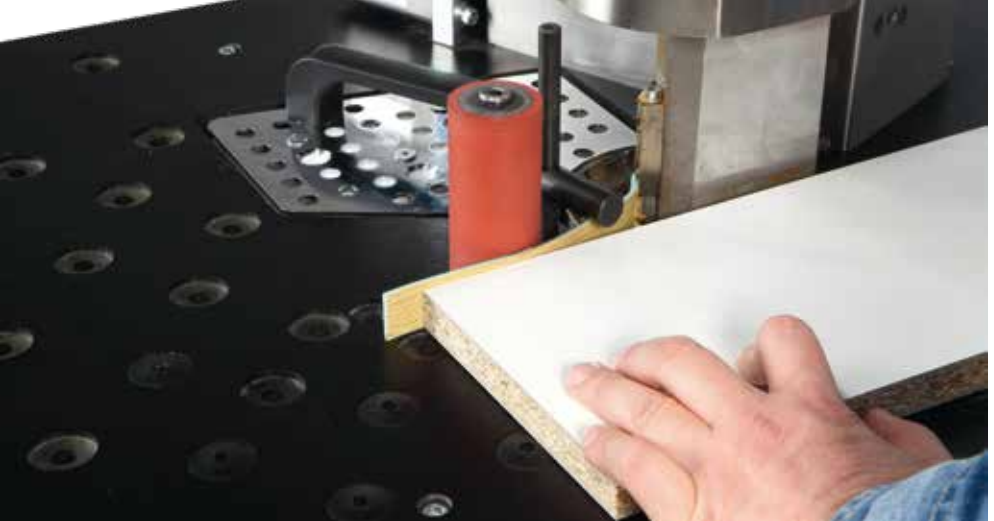
manual
edge bander
for straight
and shaped
panels
e 10



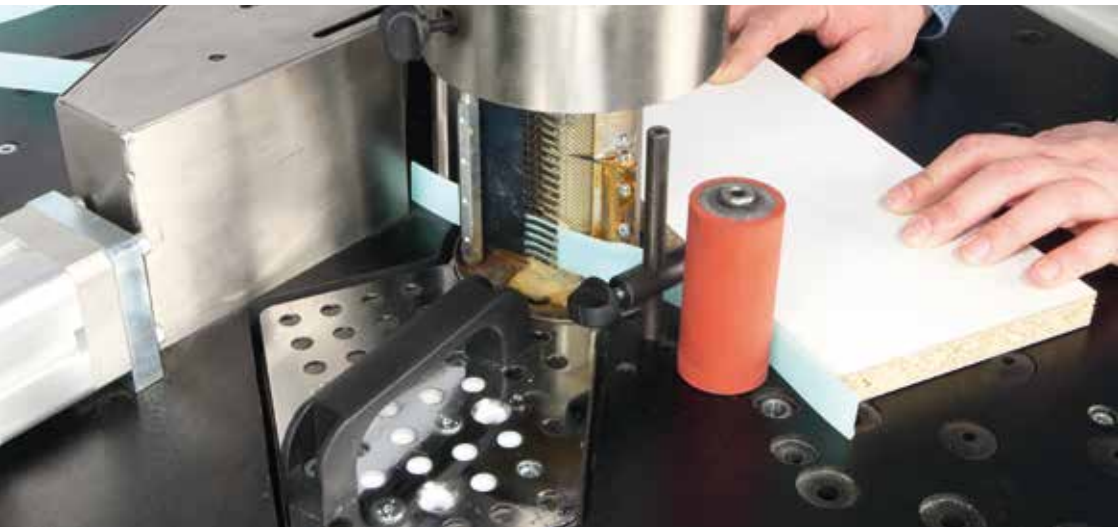
Designed to be an economic, reliable and practical machine for the edge banding of straight and shaped panels.

	e 10
Minimum and maximum edge thickness	mm 0,4 - 3,0
Minimum and maximum edge height	mm 10 - 84
Rolled edges height with shear device, thickness 0,4–1,5 mm/ 0,4–2,5 mm/ 0,4-3 mm	mm 80/40/45
Minimum panel width/length	mm 50/210
Minimum internal radius (concave) thickness 0,4 mm	mm 25
Minimum external radius (convex) thickness 0,4 mm	mm 5
2 feed speeds	m/min 4 - 8
Installed motor power	kW 3,5
Coil holder plate diameter	mm 520
Work table height	mm 850
Machine length/width (weight)	mm (kg) 1000/740 (250)

e 10
operating
groups



no surface damage
to the work piece during
machining
Easy machining with the special **anti-scratch phenolic multilayer work table** with modular holes complete with panel supports.



gluing the most critical edges
without compromise
The teflon-coated glue pot, positioned under the work table, with continuous glue circulation avoids burning of the glue. It is possible to adjust the quantity of the glue to be applied on the edge.

performance just like a
"bigger" edge bander

- Rapid glue heating system to be operating in the shortest possible time
- Stand-by timed function for the best conservation of glue
- Two feed speeds for higher productivity and finishing quality



manual
trimming machine
for straight
and shaped
panels
t 20



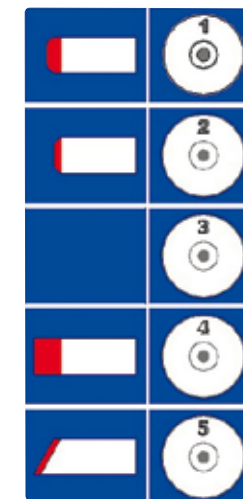
Designed with exclusive solutions, this trimming machine has a set up facility without comparison.

		t 20
Maximum edge thickness	mm	4
Minimum/maximum panel thickness	mm	14 - 80
Minimum panels width/length	mm	160/200
Minimum internal radius, 0,4 mm thickness	mm	25
Installed motor power	kW	1,5
Minimum external radius (convex) thickness 0,4 mm	mm	5
Exhaust hoods	mm	2x80
Work table height	mm	850
Machine length/width (weight)	mm (kg)	1000/800 (200)

t 20
operating
groups



no adjustments,
only copying device
substitution
Rapid and precise set up during
machine changeover with the
interchangeable horizontal
copying device coupled with
the multifunction tools
(SCM exclusive system).



exact configuration for every type of machining
The two different interchangeable vertical copying devices, supplied as a standard feature,
facilitate the working on straight and shaped panels assuring the **very best results**.



the best quality finish with
every type of material
due to the use of high frequency motors
equipped with an inverter for the
adjustment of the cutting speed.

maximum performance as standard
The diamond multifunction tools, supplied as standard,
provide a high quality finish and easy set-up as well
as a very long working life.



no limit even
with tilted edges
The possibility to horizontally adjust the position
of the upper trimmer allows the machining of
tilted panels and to carry out a different edge
profile on the upper and lower edges.
• An example: edge with an R2 radius on the
upper edge and a straight edge
on the lower one.



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

 **scm**service

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

 **scm**spareparts



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