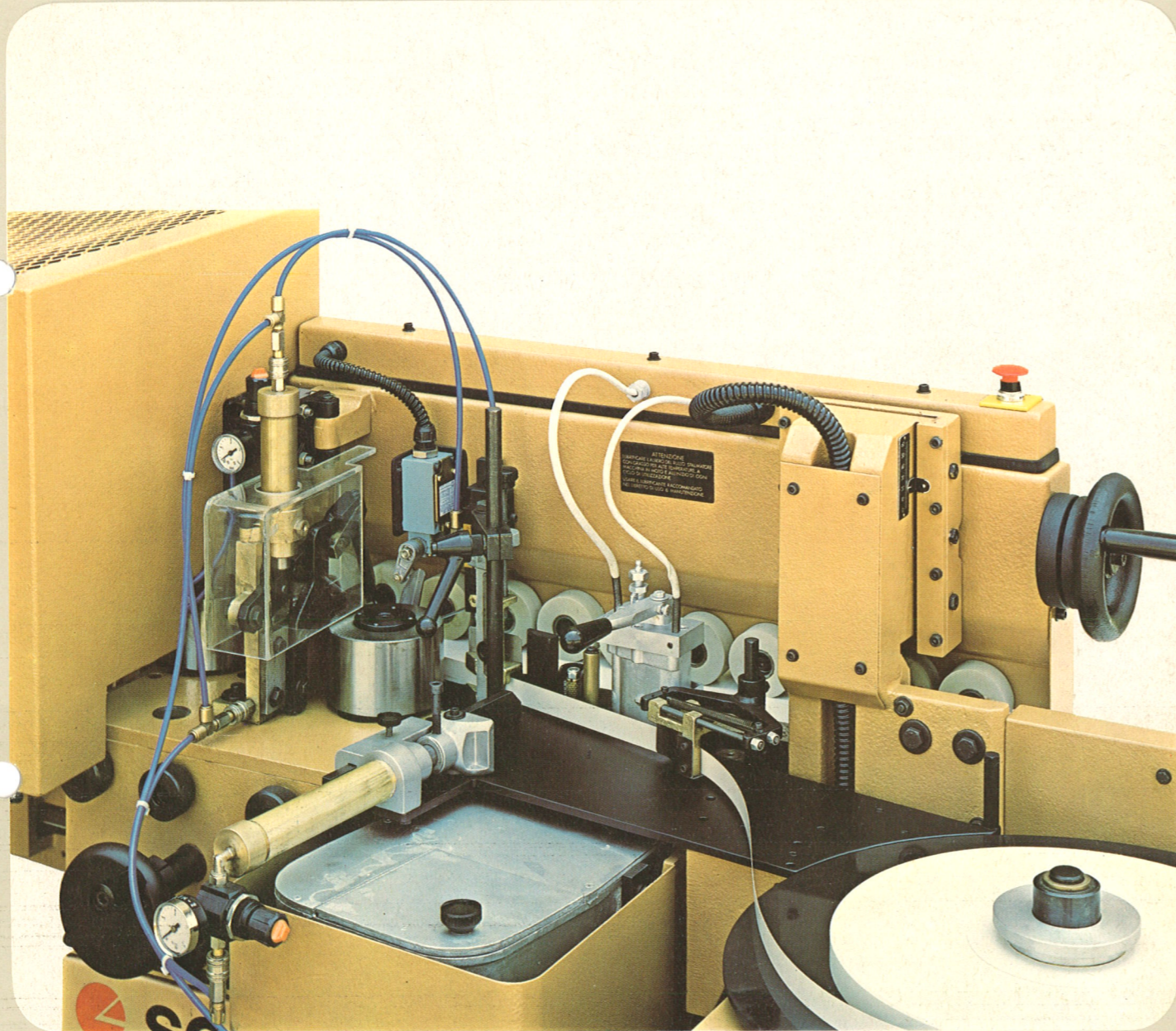


B3-B4

AUTOMATIC EDGE BANDERS

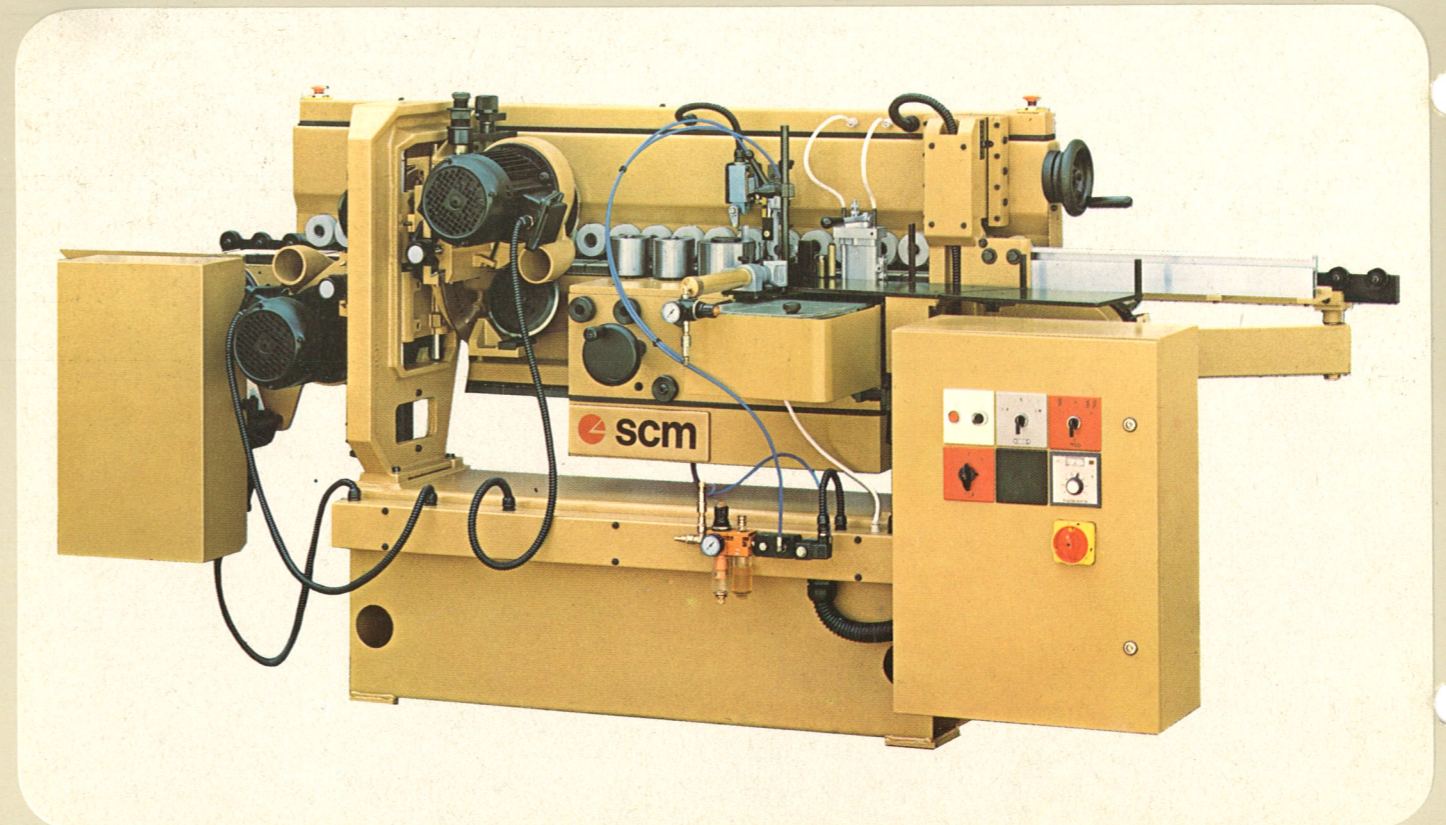


 **scm**

B3-B4

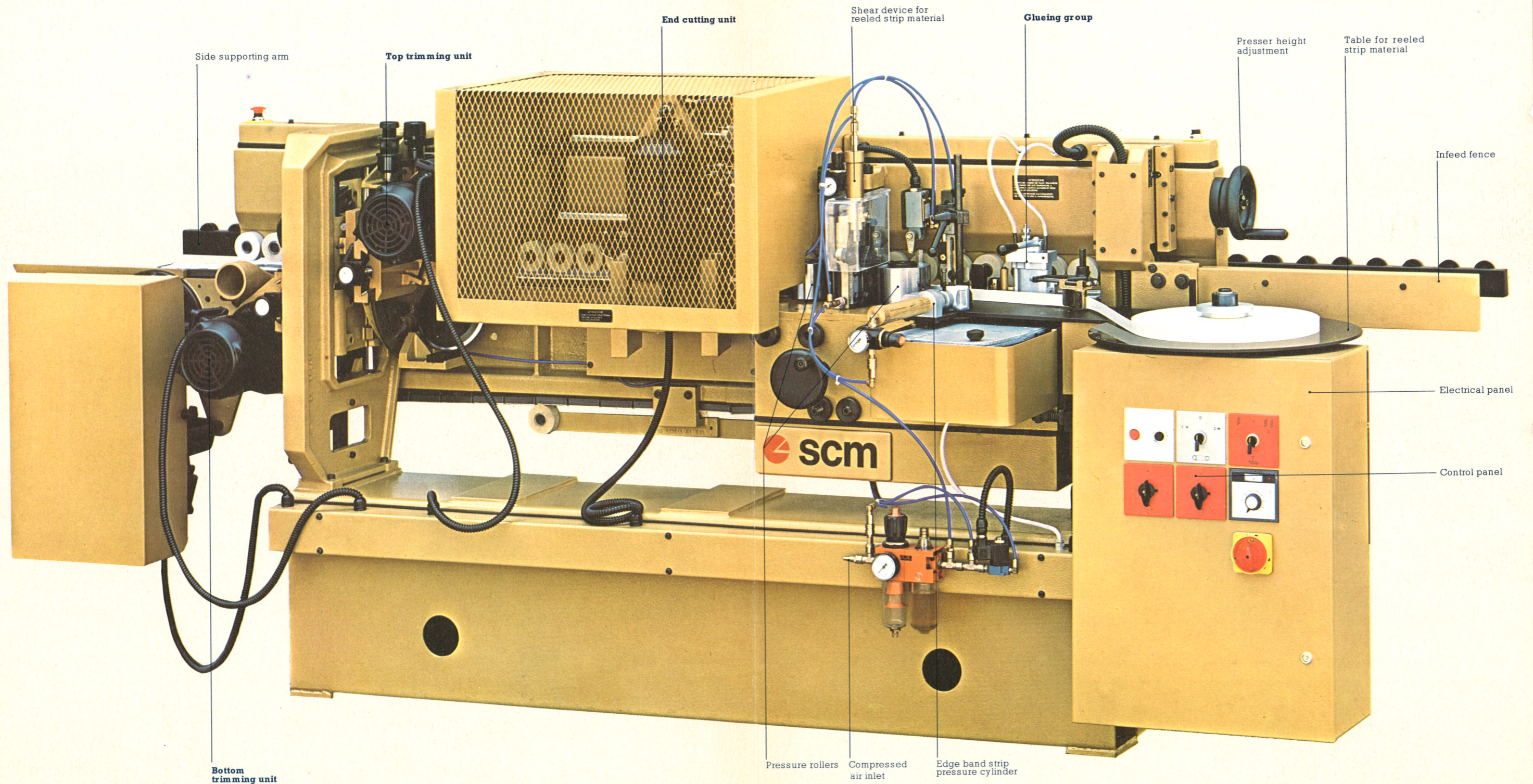
RELIABLE AND VERSATILE

- Accurate double guided chain links, resistant to lateral thrusts.
- Glue chamber mounted under edging magazine.
- End cutting unit tilting up to 15° (B4 only) cutting off both ends of strip.
- Tilting edge trimmers equipped with vertical and horizontal tracing system to obtain chamfered corners.
- Possibility of banding slanting edges and trimming special edge bands separately fitted.
- Possibility of banding edge strips, solid wood strips and reeled material.

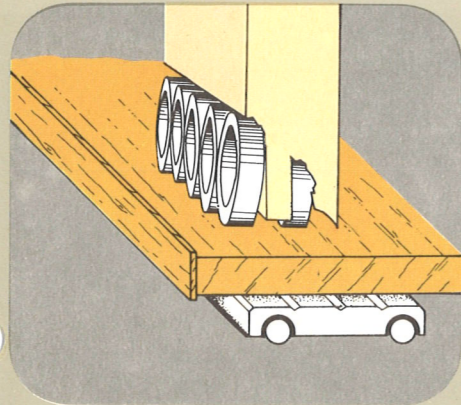


B3-B4

AUTOMATIC EDGE BANDERS



B3-B4 PERFECTIONED IN EVERY DETAIL

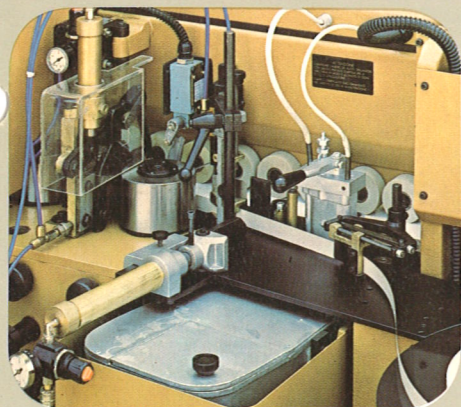
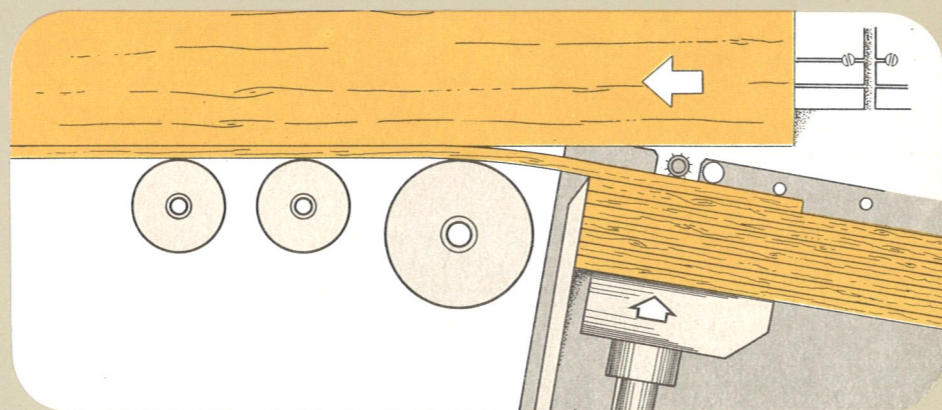


Maximum panel feeding accuracy

Double guided chain links on B3 and B4 ensure straightening, resistance to lateral pressure loads and vibration-free machining. For feeding of wide panels, B3 and B4 edge banders are standardly equipped with supporting arm, horizontally adjustable with rubber coated wheels.

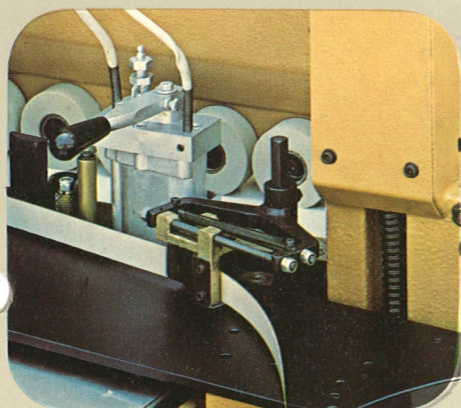
Extremely reliable edge material feeding

Feeding of edge material is accomplished with an automatic pin headed roller perfectly synchronized to panel feeding speed whilst an electric safety device stops feeding if edge bands are lacking or not correctly positioned.



Easy and accurate application of even very thick lippings

Lippings can be fed on to panel edge at a very narrow angle enabling easy and accurate application of all types of edging, including lippings of up to 25 mm thickness. This is made possible by the very small dimensions of the glue applicator.



Economy of edge reeled strip material

An original and simple device has been designed to cut down the quantity of reeled strip material utilized (PVC or other plastic material).

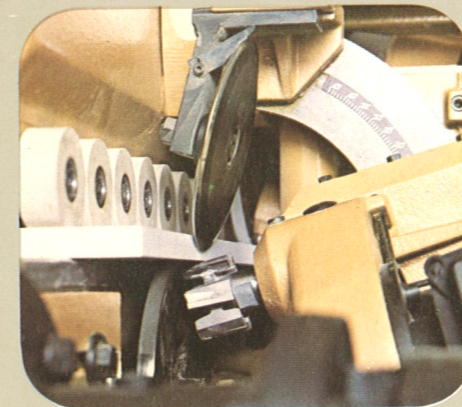
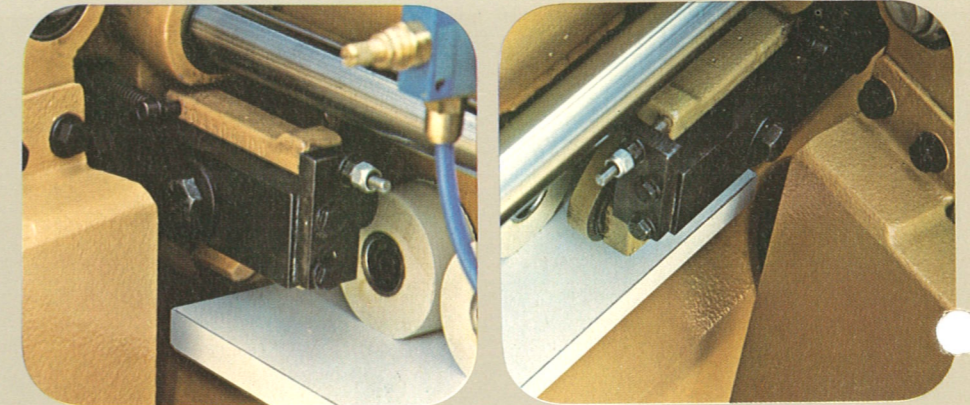
As soon as shear device has cut off material, banding is wound back so that front surplus is reduced to a minimum in respect of panel.

Shear position enables cutting off of edge material close to rear side of panel, edge material remaining in front of 1st roller, ready for next panel.

One end cutting unit for two slanting cuts

An exclusive device automatically allows horizontal slanting to right or left of end cutting unit to remove front and rear surplus of strip (without need of frequency changer).

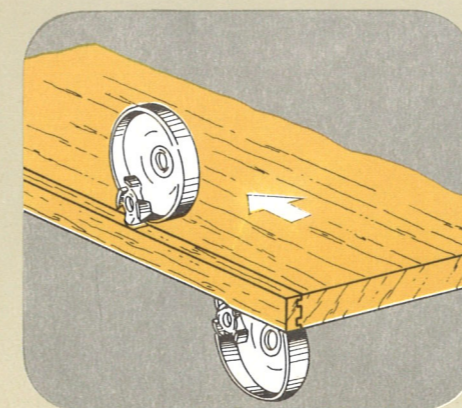
In this way, the B4 produces accurately chamfered corners using only one end cutting unit instead of the traditional two, occupying less space and enabling a reduction in consumption of electric current and servicing time.



Perfect corners both sharp and chamfered are obtained by using tilting trimmers

Edge trimmers at 9.000 rpm remove surplus of top and bottom strips and perfectly trace surfaces and sides of panel.

The trimmers can be tilted through 45° for chamfered corners, horizontally adjustable for uniform wear of cutters, with automatic vertical adjustment of top trimmer according to workpiece thickness.



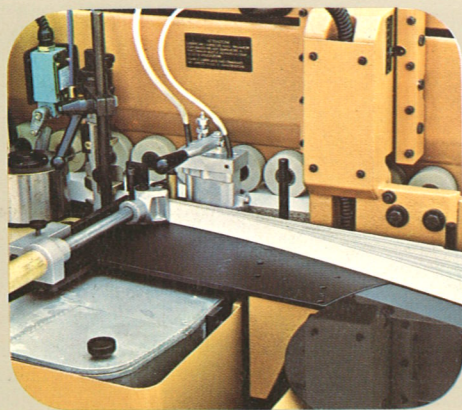
Accurate trimming of special edge material fitted separately

A self-selecting mechanism is standardly fitted enabling automatic starting up of trimmers and feeding, whilst glueing groups and feeding of strips remain idle.

It is therefore possible to utilize the accuracy and sensibility of trimmers to "even up" special edge bands separately fitted (e.g. frames already profiled, grooved edges etc.).

B3-B4

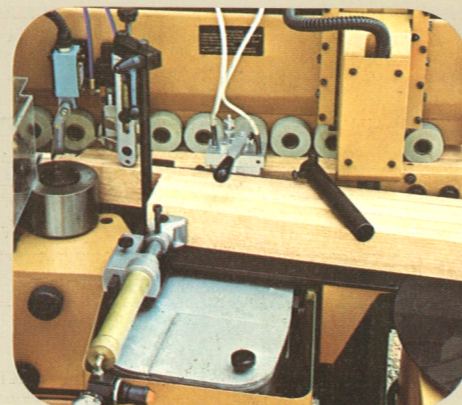
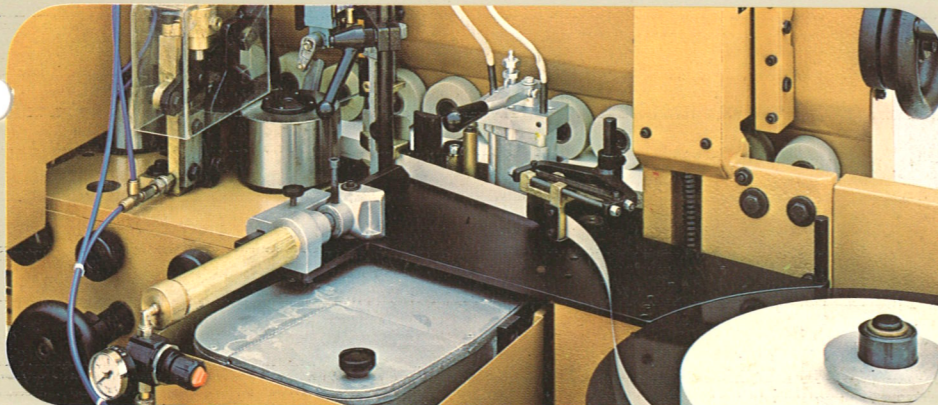
FOR ALL TYPES OF EDGE BANDING MATERIAL



The automatic B3 and B4 edge banders have been designed to rationally resolve all edge banding problems out of machining line.

These extremely simple and versatile machines are ideal for small and large firms who require to machine small batches of components separately from production lines.

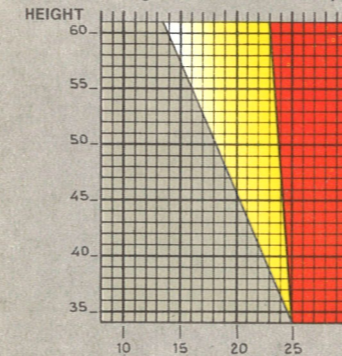
The B3 and B4 are robust and compact edge banders designed for application of veneer, laminated or PVC reeled strips or other plastic material (with equipment on request) and solid lipping.



B3-B4

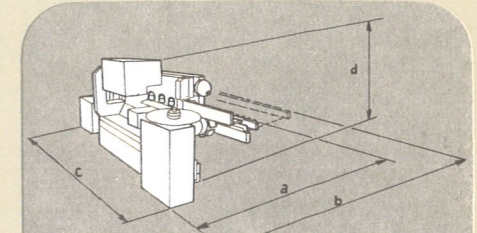
TECHNICAL SPECIFICATIONS

Maximum edge band dimensions (height/thickness) according to their flexibility.



WORKING AREA		
Best position	ACCORDING TO FLEXIBILITY	Not advisable
EDGE BAND FLEXIBILITY		
LOW	MEDIUM	HIGH

Data indicated at a feed speed of 12 m/min; measurements shown are those of rough edge bands.



Overall measurements

MOD.	a	b	c	d
B3	1000	1600	3000	1300
B4	1000	1600	3900	1300

Technical specifications

Type of machine: single sided automatic edge bander

B3 groups:

glueing group, bottom trimming unit, top trimming unit

B4 groups:

glueing group, end cutting unit, bottom trimming unit, top trimming unit.

Panel thickness 10 ÷ 60 mm

Banding material thickness* 0,4 ÷ 25 mm *- See indications given on diagram

Minimum working width:

with strips or reeled material* 70 mm *- At least 25 cm length

for solid lipping 110 mm

Minimum working length (B3) 180 mm

Minimum working length (B4) 250 mm

Feed speed 7-12-16-20 m/min

Speed of end cutting unit (B4) 8800 rpm

Speed of edge trimmers 9000 rpm

Tilting of cut of end cutting unit (B4) ±0° ÷ 15°

Tilting of trimmers 0° ÷ 45°

Motor:

for feeding 1,5 kW (2 HP)

for end cutting unit on B4 1,1 kW (1,5 HP)

for each trimming unit 1,5 kW (2 HP)

Exhaust hoods for trimming units Ø 80 mm

Cutters for trimming units Ø 60 mm

Blades for B4 end cutting unit Ø 170 mm

Working pressure 6 Atm

Net weight B3 720 Kg

Net weight B4 975 Kg

Gross weight with seaw. pack. case B3 1050 Kg approx

Gross weight with seaw. pack. case B4 1385 Kg approx

Overall measurements with seaw. pack. case B3 2850×950×1510 mm (4,09 m³)

Overall measurements with seaw. pack. case B4 3420×950×1610 mm (5,25 m³)

Basic equipment

Supporting arm for large size panels with wheels; 2 Widia blades for end cutting unit; 2 Widia cutters for trimmers; grease gun; adjustable infeed fence for thin components; front and rear extensions for feed chain; glueing group tilting up to 6°; oscillating blowers for feed belt cleaning; set of wrenches.

Optional equipment

Automatic feed and shear device for reeled strip material equipped with economizer; infrared ray resistance on infeed fence; N. 1 pair of cutters diam. 70×20 mm with 4 HSS throw-away knives.

The illustrations and the data contained in this brochure are not binding. SCM reserves the right to make changes for technical, commercial and organizational reasons, the main characteristics of the machines remaining unaltered. In addition, the parts added, such as the protections, accessories, etc... can differ to conform to the laws and special requirements of the countries to which the machines are to be supplied.

SCM International Spa 47037 Rimini (Italy) Via Emilia, 77.
Tel. (0541) 700111 Telex 550142