

# SANDYA 9S

Automatic wide belt sander





# OUR TECHNOLOGY BEHIND YOUR IDEAS

## sandya 9 s

Automatic wide  
belt sander  
with two or three  
operating groups



CALIBRATING  
SANDING

3D DESIGN

PROGRAMMING

CUTTING

EDGE BANDING

3-AXIS BORING

CALIBRATING/SANDING

ASSEMBLY

# sandya 9 s

## AT THE "TOP" OF THE COMPACT WIDE BELT SANDER

Enables small and medium-sized companies  
to grow in a more and more competitive market







Flexible  
and easy to use



High performance  
and productivity



A high level  
of technology  
and automation





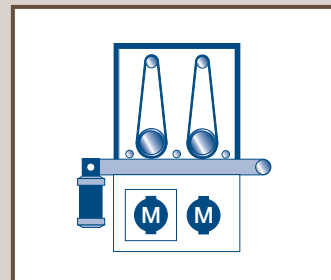
Flexible  
and easy to use

## COMPACT MACHINE BUT WITH A HIGH LEVEL OF INDUSTRIAL SPECIFICATION

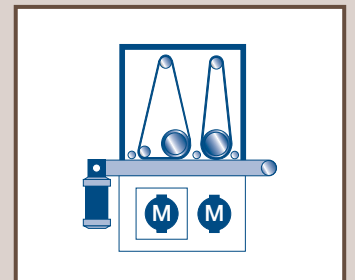


Solid wood calibrating and sanding, veneered, lacquer and painted panel sanding, with a **high degree of finishing and optimum production levels.**

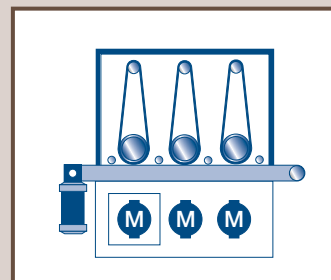
Sandya 9/S is available in four versions with two and three operating groups and with 1.100 and 1.350 mm working widths.



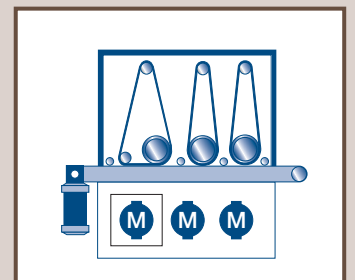
RR 110/135



RCS 110/135



RRR 110/135



RRCS 110/135



### RRCS version

Its high level of versatility makes this version perfect for different types of machining.

In the furniture sector (with veneered, lacquered and painted panels) it excels in the provision of optimum level finishing thanks to the 2.620 mm sanding belt length and the electronic sectional pad.





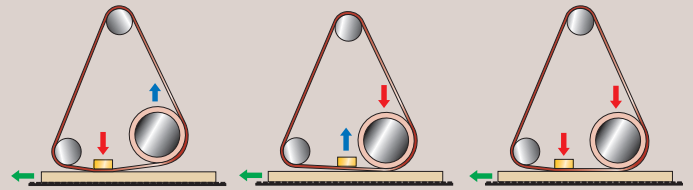
Flexible  
and easy to use

COMPACT MACHINE BUT WITH A HIGH  
LEVEL OF INDUSTRIAL SPECIFICATION

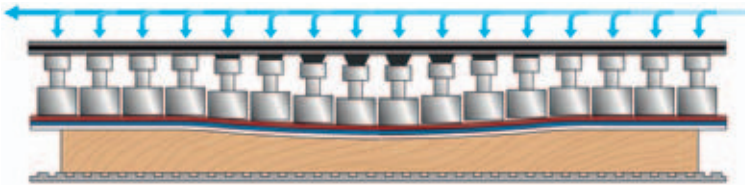
### COMBINED ROLLER/PAD GROUP: a winning combination



Fast and easy  
changeover of graphite-coated  
sheet, as it is screwed  
to a removable bar.



The group can be customised for any production  
requirement due to the possibility of using the  
roller and the pad separately or together.

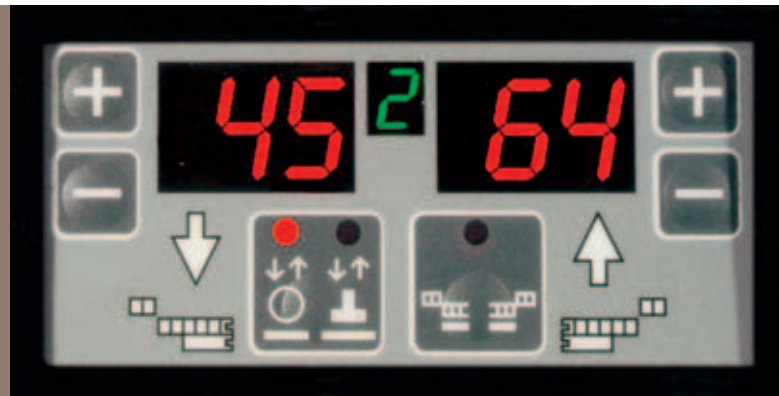


### TES – ELASTIC SECTIONAL PAD

Thanks to its capacity to adapt to irregular surfaces, the TES  
pad can be used for veneered panel sanding, even when  
panels are not perfectly flat.

### LOGIC 50 K

It allows the control of the operation of the automatic roller  
and/or pad on both machines with 2-belt speeds and variable  
feed speed.





## CALIBRATING/SANDING ROLLER GROUP



### **RR version**

This version is ideal for operations where heavy stock removal rates are required or where users have to machine narrow work pieces or any type of frame.



### **RRR version**

The best solution for the calibration and sanding of doors and windows, cabinet doors or solid wood furniture.



### **Large diameter 300 mm roller**

It ensures an excellent, top-quality finish even when sanding veneered, lacquered and painted panels.



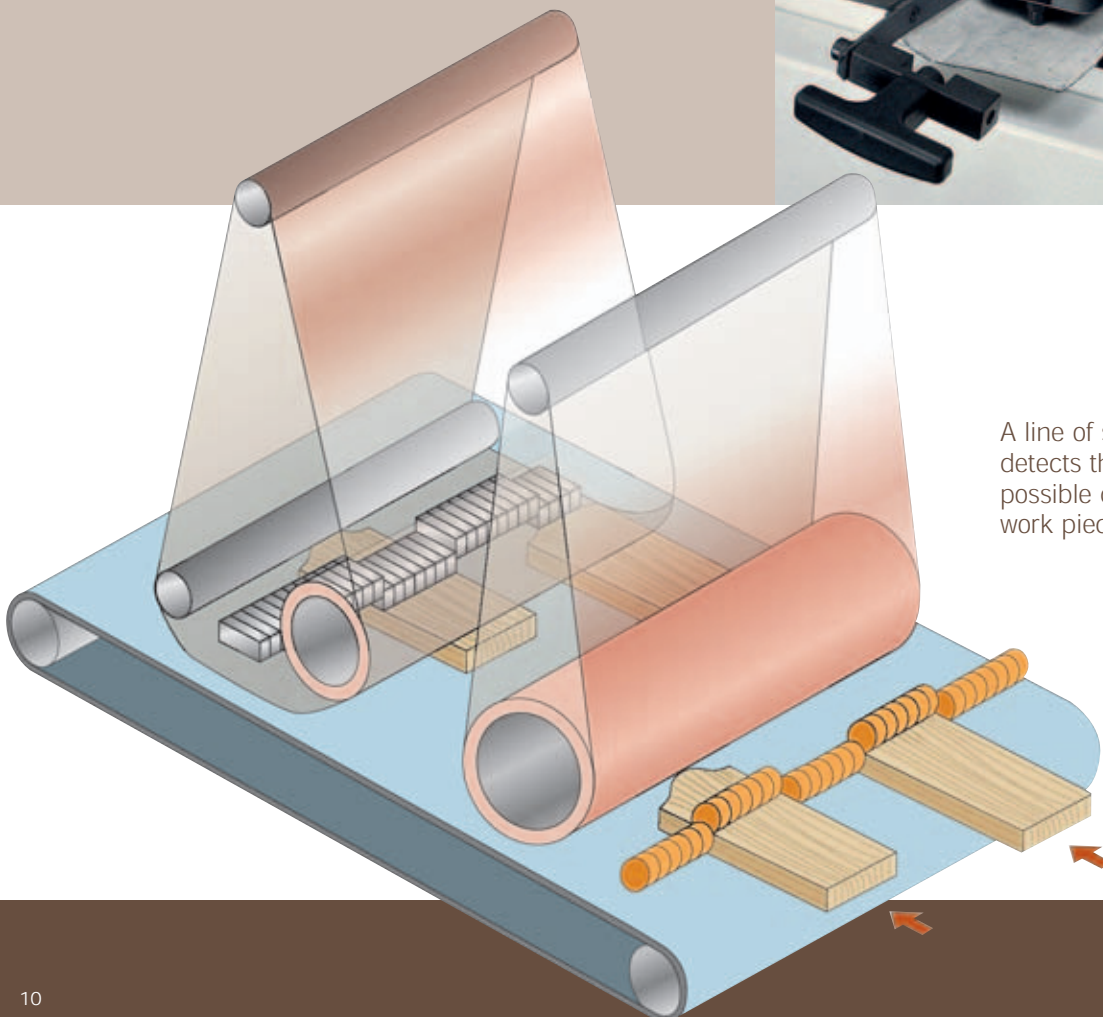
Flexible  
and easy to use



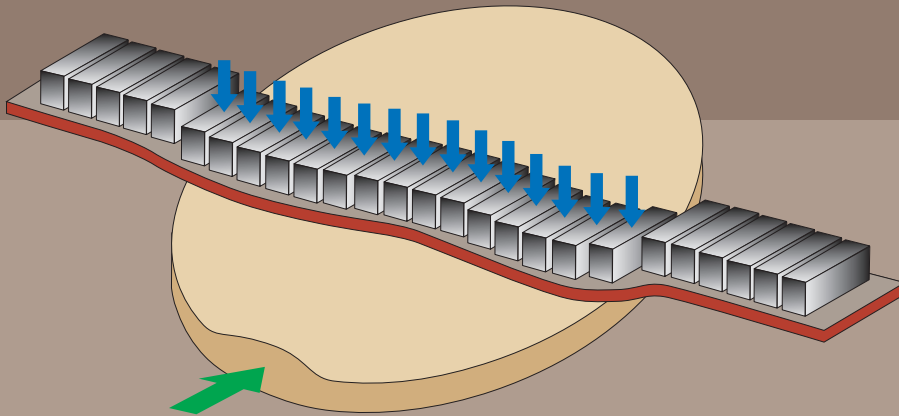
COMPACT MACHINE BUT WITH A HIGH  
LEVEL OF INDUSTRIAL SPECIFICATION

TSE – ELECTRONIC SECTIONAL PAD WITH 55 MM AND 30 MM CENTRE-TO-CENTRE DISTANCE

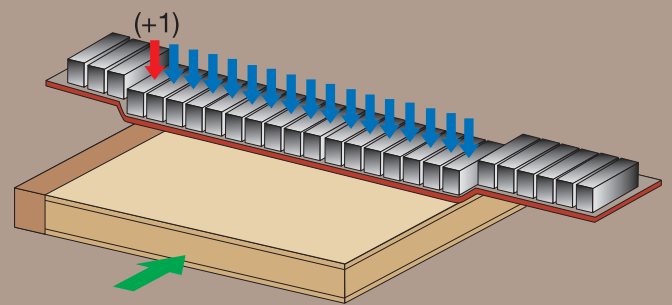
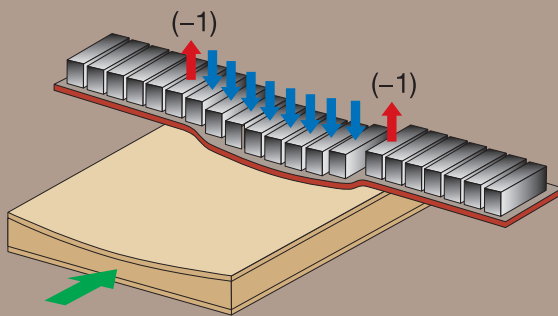
- ▶ A top quality finish is ensured by the wide surface area in contact with the work piece. The extractable graphite-coated sheet allows cleaning and maintenance operations.



A line of sensors at the machine infeed detects the panel shape avoiding the possible damage of the corner of the work piece to be processed.



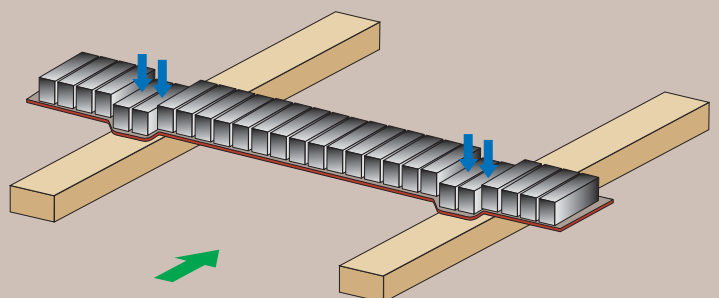
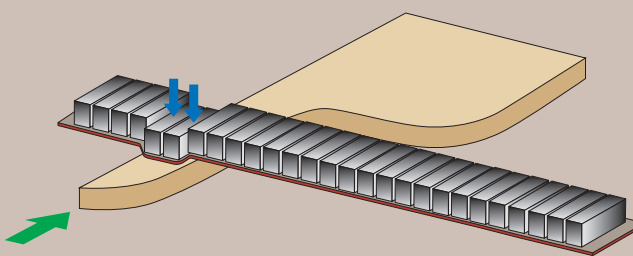
Perfect sanding of shaped work pieces or components with uneven surfaces thanks to the possibility to activate or remove one, two or three sectors on panel edges.



SECTIONAL PAD WITH 30 MM CENTRE-TO-CENTRE DISTANCE

Effective sanding of shaped panels even in the event of very tight angles.

It is advisable for sanding of narrow work pieces.

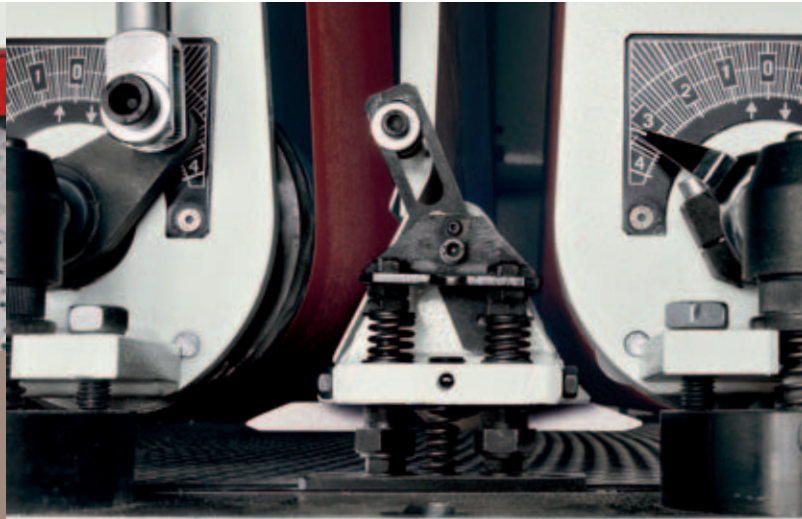
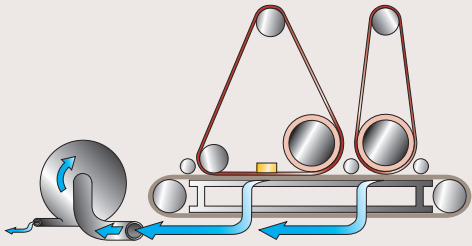






High performance  
and productivity

## EQUIPMENT AND PRODUCTIVITY AS PER AN INDUSTRIAL SANDING MACHINE



### ▲ Vacuum table

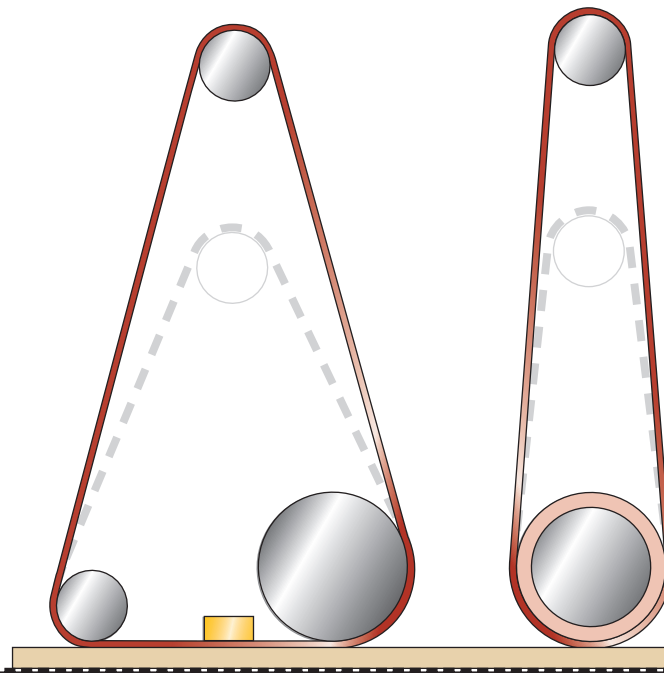
It is particularly important when sanding thin, painted or short components and in calibrating operations involving high stock removal rates, as it ensures that the component being sanded adheres perfectly to the surface of the feed belt.

### ▲ Floating pressure shoes

These shoes are particularly useful when sanding solid wood components where high stock removal rates are required. They greatly reduce the centre-to-centre distances during sanding and guarantee a higher but more uniformly distributed hold-down pressure on the component.

### 2.620mm abrasive belt length

The longer belts grant a better cooling of abrasive grains which allow an easier detachment of the working dust from the belt and therefore a **better finishing**. A longer belt has an extended life thus requiring less substitution and less machines idle time. This signifies **higher productivity**.





**Rotary blowers**

Gentle dust removing process from sanded components. To reduce the consumption of compressed air to the minimum, unit operation is timed and the blowers only operate when a part is present under work. (device shown here without the safety guard).

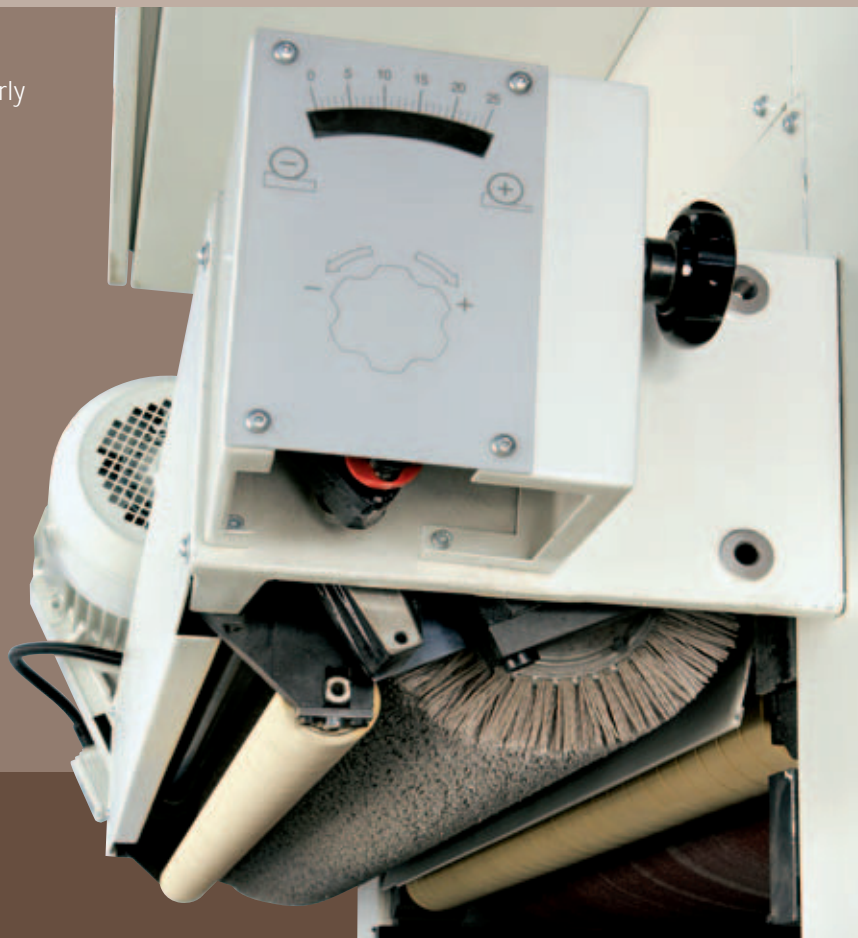
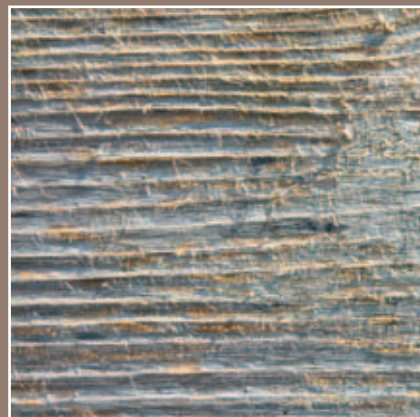


**GSO/200 – oscillating buffing group**

The group provides perfect finishing and smoothing of the painted panel surface.

**Grain evidencing group**

It gives the panel a rustic or weathered look, particularly recommended for period furniture.







## A high level of technology and automation

## AT THE TOP OF THE PERFORMANCE WITH THE SCM DEVICES

### Electronic thickness positioning

High precision measurement of the work piece thickness due to the electronic sensor. The positioning has a decimal adjustment system which automatically sets the working thickness so that it is greater or lesser than the component thickness by the required amount.

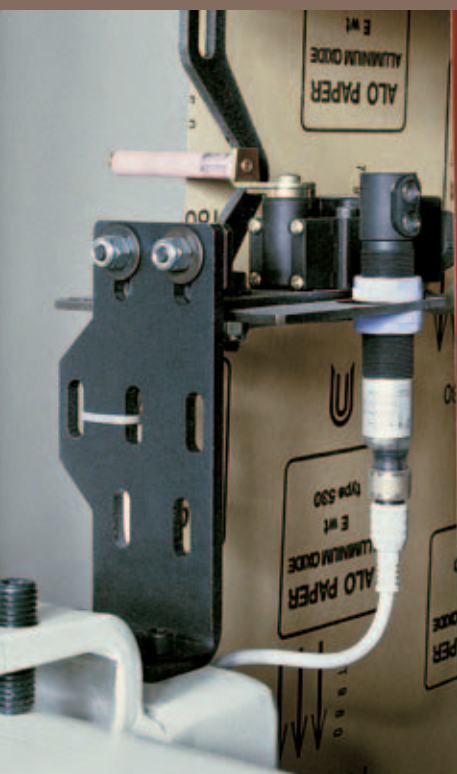


### Electronically controlled belt oscillation

Belt oscillation is controlled by an electronic unit and a special photocell. The system is very accurate and ensures that oscillation takes place at regular intervals. This reduces the risk of belt breakage and improves finish quality.

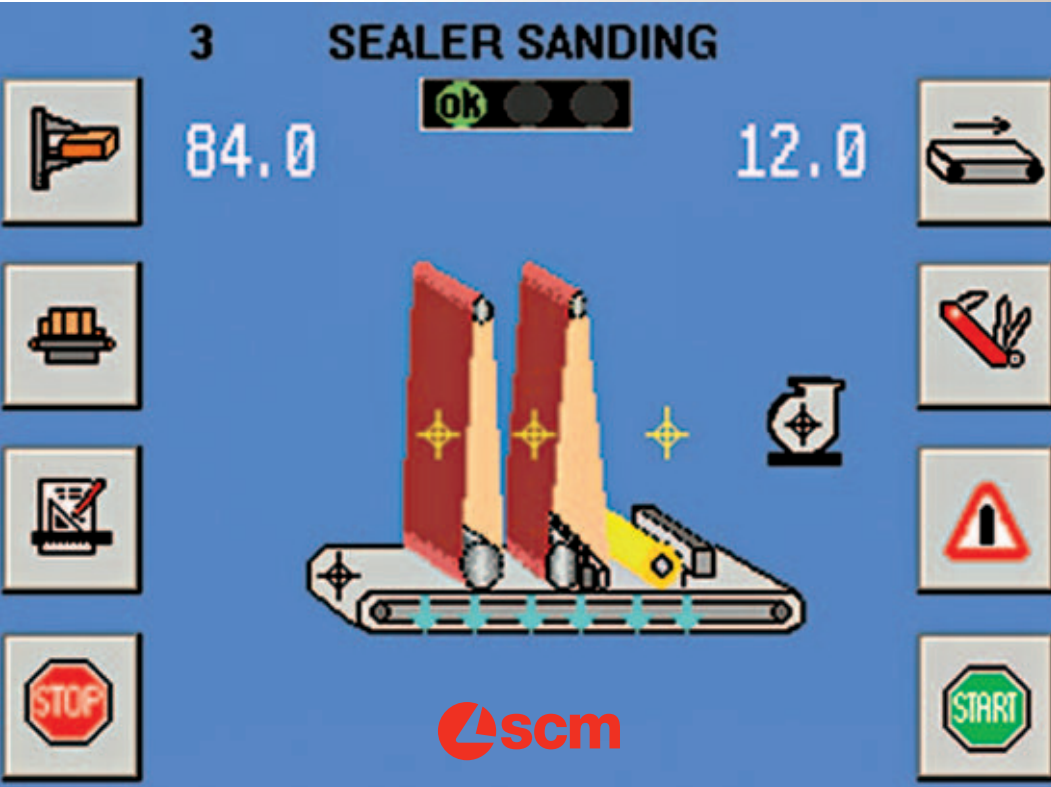
### Automatic feed belt tensioning and centering

No operator intervention is required with the electro-pneumatic system that keeps the feed belt on track, perfectly centered and tensioned at all times.





# ELECTRONIC CONTROLS



## LOGIC TS

The Logic TS electronic controller has been designed for the user who requires full control of complex machine configurations. All machine units and operations are controlled from a touch-screen

- ▶ LCD TFT touch-screen colour display, size 5,7 or 10,4 inches
- ▶ Electronic sectional rollers and pad control
- ▶ 120 working programs

## LOGIC SC

Simple and intuitive, the controller allows the setting of all machining parameters in sequence. Then only a single button has to be pressed to start. Four different sequences can be saved to rapidly retrieve the machine settings most often used.



# sandya 9 s

## TECHNICAL DATA

### ▶ OVERALL DIMENSIONS



### ▶ RR 110/135 VERSION

- ▶ 1st unit: 85Sh rubber-coated roller, Ø 140mm
- ▶ 2nd unit: 45Sh rubber-coated roller, Ø 250mm

### ▶ RCS 110/135 VERSION

- ▶ 1st unit: 85Sh rubber-coated roller, Ø 140mm
- ▶ 2nd combi-unit equipped with:
  - 45Sh rubber-coated roller, Ø 140mm and stiff pad

### ▶ RRR 110/135 VERSION

- ▶ 1st unit: 85Sh rubber-coated roller, Ø 140mm
- ▶ 2nd unit: 65Sh rubber-coated roller, Ø 140mm
- ▶ 3rd unit: 45Sh rubber-coated roller, Ø 250mm

### ▶ RRCS 110/135 VERSION

- ▶ 1st unit: 85Sh rubber-coated roller, Ø 140mm
- ▶ 2nd unit: 65Sh rubber-coated roller, Ø 140mm
- ▶ 3rd combi-unit equipped with:
  - 45Sh rubber-coated roller, Ø 140mm and stiff pad





## TECHNICAL DATA

		110	135
Working width	mm	1100	1350
Min/max working thickness	mm	4 - 170	4 - 170
Sanding belt width	mm	1115	1370
Sanding belt length	mm	2620	2620
Standard main motor power (2 groups version)	KW(HP)	11 (15)	11 (15)
1st unit standard motor power (3 groups version)	KW(HP)	11 (15)	11 (15)
2nd/3rd unit standard motor power (3 groups version)	KW(HP)	11 (15)	11 (15)
Feed belt speed	m/min	4,5 / 9	4,5 / 9

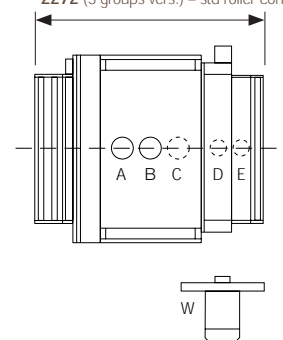
## Exhaust hoods

	110	135		
A	Ø 160 mm	Ø 195 mm	standard	2/3 groups version
B	Ø 160 mm	Ø 195 mm	standard	2/3 groups version
C	Ø 160 mm	Ø 195 mm	standard	3 groups version
D	Ø 160 mm	Ø 160 mm	option	brushing unit – rotary blower
E	Ø 160 mm	Ø 160 mm	option	rotary blower
W	Ø 66 / 200 mm *	Ø 66 / 200 mm *	option	vacuum

(\*) with silencer

## Depth

1922 (2 groups vers.) – std roller conveyor  
2272 (3 groups vers.) – std roller conveyor



## NOISE LEVEL

Operating conditions – SANDING Reference Standard UNI EN 7960

	Operator positions	Reference standard	Uncertainty factor K	Sanding without vacuum	
				VSA	LAV
Lop: Noise level at operator position dB(A) and peak level[dB(C)]	Input	EN ISO 11202:1997	5,0	78,9	82,7
	Output			81,2	83,6
LW: Emitted noise level dBW (A)		EN ISO 3746:1995	4,0	93,3	96,2

The maximum instantaneous noise level pressure is under 130dB ( C )

VSA: no machining without dust extractor equipment

LAV: Machining

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

SINCERT







## We love wood

### FOR A BETTER ENVIRONMENT

Wood, a raw material from trees, an extraordinary building material, which can be adapted for interior and outdoor furniture elements. It enhances the settings of many lifetime experiences and can be processed into magnificent works of art and structures. SCM Group loves wood through its woodworking technologies.

Woodworking is about perfecting the qualities of wood: beautiful and fire-resistant, flexible and insulating.

Woodworking is all about 'we love wood'.

<b>1</b> large Group	<b>70%</b> exported
<b>2</b> million machines sold	<b>350</b> registered patents
<b>10</b> production facilities	<b>350</b> agents and distributors
<b>22</b> brands	<b>500</b> engineers
<b>23</b> foreign subsidiaries	<b>3.000</b> sq m showroom
<b>30</b> million euro investment in technology and know-how	<b>3.450</b> employees
<b>60</b> years history	<b>10.000</b> standard machines yearly
	<b>240.000</b> sq m production area

# passion**technology**performance



SCM Group is an Italian company, **world leader in the production of woodworking machinery and systems.**

For almost 60 years it has been offering the widest range of machinery, from **standard machines for joinery companies up to integrated lines for industrial production of furniture and housing construction wood components.**

Through dedicated companies, the Group now also operates in the **plastic, stone, glass and advanced materials processing machinery industries.**

It has **10 production plants and 3.450 employees.** SCM Group exports 70% to 120 countries

**through 23 foreign subsidiaries, 350 distributors and agents, guaranteeing efficient and prompt assistance** with over 500 engineers providing training, service, maintenance and spare parts every day throughout the World.

Ongoing research and development is carried out by **70 engineers who design and create new products** to be manufactured, assembled and distributed for the entire Group.

To ensure **utmost quality of the entire manufacturing cycle**, a special production plant with **over 90 highly sophisticated cnc machining centres** has been created to control **all pre-assembly operations: iron castings, metalwork carpentry,**

**painting, cnc machining, electro-spindles, electric, electro-mechanic and electronic components.**

With an outlook for the future, **outstanding investments (30 million euros) are currently being made in technology and know-how** resulting in a superior efficiency and management of our companies. **SCM Group and its people are committed to provide ultimate performance.**



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