

scm group

SCM GROUP SPA SCM

sales offices: via Casale, 450 - 47826 Villa Verucchio, Rimini - Italy  
tel. +39 0541 674111 - fax +39 0541 674274 - scm@scmgroup.com - www.scmgroup.com

scm



REV. N. 00 - 03.2013 - Olimpia - 

**sandya 600**  
automatic wide belt sander.



# sandya 600

automatic wide belt sander.

## Accuracy and performance that lasts forever.

The new sandya 600 is now more robust with an ergonomically designed base, increased motor capacities, calibrating/sanding rollers among the largest available within its category, and very precise sanding pads, so it is now able to satisfy all requirements of companies that would like to grow in a more and more competitive market place.



<b>SANDYA 600</b>		<b>110</b>	<b>135</b>
Working width	mm	1100	1100
Min./max. working thickness	mm	4 / 170	4 / 170
Sanding belts width/length	mm	1115 / 2150	1370 / 2150
Standard main motor power (2 groups version)	kW (hp)	11 (15)	11 (15)
Standard motor power - 1 <sup>st</sup> group (3 groups version)	kW (hp)	11 (15)	11 (15)
Standard motor power - 2 <sup>nd</sup> group (3 groups version)	kW (hp)	11 (15)	11 (15)
Feed belt speed	m/min	4,5 / 9	4,5 / 9



- cutting.
- edge banding.
- boring-routing.
- calibrating-sanding.**
- assembling.

# sandya 600

technological advantages.



## toptech

### "MESAR" SECTIONAL PAD:

#### THE BEST FINISH WITH ANY MATERIAL.

Higher quality results due to the special shape of the sectors that allows the operator to intervene "softly" but also in an "aggressive" way, simply by varying the working pressure. The setting of the pad position and the possibility of using foils of different thicknesses increases its versatility.



### "LOGIC SC" ELECTRONIC PROGRAMMER: EASILY AVOID MISTAKES.

Simple and intuitive, allowing the operator to set all processing parameters in sequence and then launch them with the touch of a button. The possibility to store various work programs to retrieve the machine settings most commonly used makes it ideal even for unskilled operators.



## toptech

### DIAMOND-SHAPED BELT:

#### NO SLIPPING OF THE WORK PIECES.

The special geometry of the diamond-shaped profile of the transport belt provides the **best traction surface** for the work piece and with the increased support area also ensures maximum stability.



# sandya 600

the new evolution for Scm wide belt sanders:  
compact dimensions with a high level of performance and technological specifications.

RCS version



## RCS VERSION:

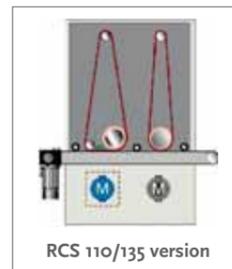
solid wood calibrating and sanding, veneered, lacquer and painted panel sanding with a high degree of finishing and optimum production levels. Sandya 600 is available in five versions with one, two and three operating groups and with 1100 and 1350 working width.



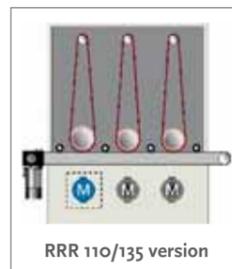
CS 135 version



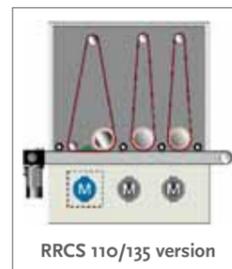
RR 110/135 version



RCS 110/135 version



RRR 110/135 version



RRCS 110/135 version

RRCS version



## RRCS VERSION:

**FOR THE COMPANY WANTING TO INCREASE AND DIVERSIFY ITS PRODUCTION.**

The availability of 3 sanding groups ensures high flexibility and time saving and ensures this version is perfect for both calibrating and sanding operations of large dimensioned panels. In the furniture sector (with veneered, lacquered and painted panels) it excels in the provision of an optimum level of finishing due to the "Mesar" electronic sectional pad.

# sandya 600

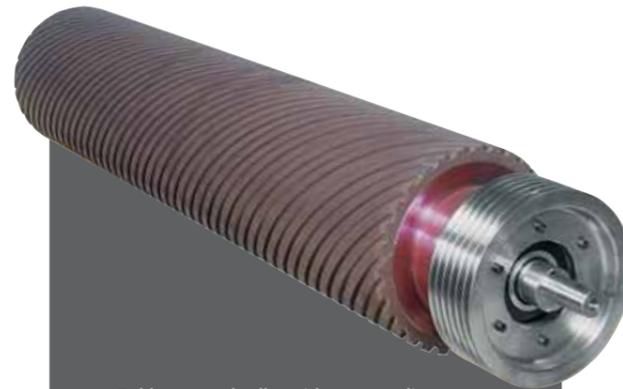
other available solutions.



RR version



Grooved steel roller with 140 mm diameter (160 mm for RR version)  
It is compulsory for heavy calibrating operations, even on wood with a differentiated grain and knotted solid wood.



Rubber-coated roller with 175 mm diameter  
The wide range of hardness (85, 65, 45, 30, 20 sh) enables the roller to obtain excellent results from the most aggressive to the most delicate operations.



Rubber-coated roller with 250 mm diameter  
The large dimensions and the wide contact surface on the work piece grant high quality finishing even on veneered and painted panels.



RRR version

## RR VERSION:

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

The large dimensioned sanding rollers guarantee the very best finishing even on veneered and painted surfaces.

## RRR VERSION:

The perfect solution for the calibrating and sanding of solid wood furniture. The use of the floating pressure rollers makes this version ideal for the machining of windows, doors and small dimensioned work pieces.

# sandya 600

pressure groups.

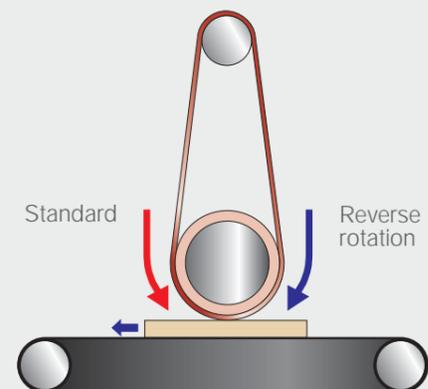
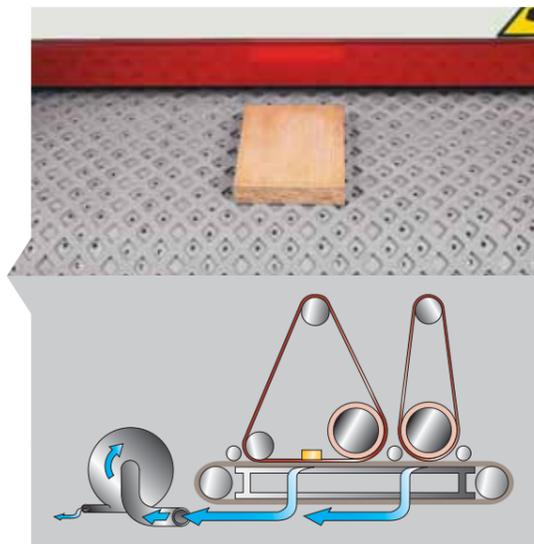


## FLOATING PRESSURE SHOES: THE BEST FINISHING OF SOLID WOOD.

The particular design of the pressure shoes greatly reduces the centre-to-centre distance during sanding. This feature guarantees a higher but more uniformly distributed hold-down pressure when calibrating solid wood with high stock removal and the sanding of short, narrow and uneven components.

## VACUUM TABLE WITH DIAMOND-SHAPED BELT: NO SLIPPING OF THE WORK PIECES.

The best traction surface and the maximum stability for the work pieces are provided by the special geometry of the diamond-shaped profile of the transport belt.



## REVERSE ROTATION OF THE SANDING BELT: IDEAL FOR WATER-BASED PAINTS.

With dedicated exhaust hoods this is the perfect solution for solid wood pre-sanding (removes any fibres that remain following calibration) and very delicate sanding operations.

planer group.



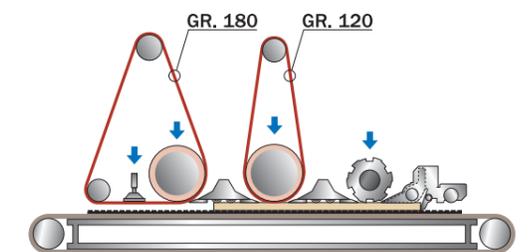
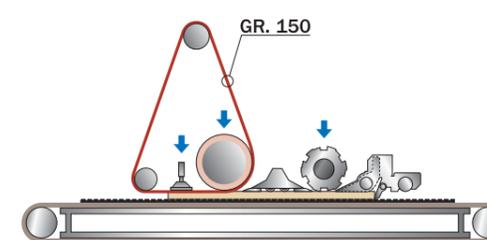
## toptech

### "HPL" PLANER GROUP: MAXIMUM REMOVAL COUPLED WITH MAXIMUM SAVINGS.

One single pass to perform heavy material removal with the absorption of low power; a degree of finish comparable to 4 abrasive belts due to the helicoidal positioning of the knives mounted on the group. The easy access allowed by the exclusion of the infeed rollers simplifies maintenance operations.

110 version

The anti-kickback fingers, the heavy sectional bar and the micro switch for too thick components set on the pressure roller, makes it absolutely safe when employing the HPL planer group, even for an unskilled operator.



After planing, the surface of the panel needs only a slight degree of finishing. This can be done with a 150 grit sanding belt using a single operating unit or a 180 grit sanding belt using two operating units.

# sandya 600

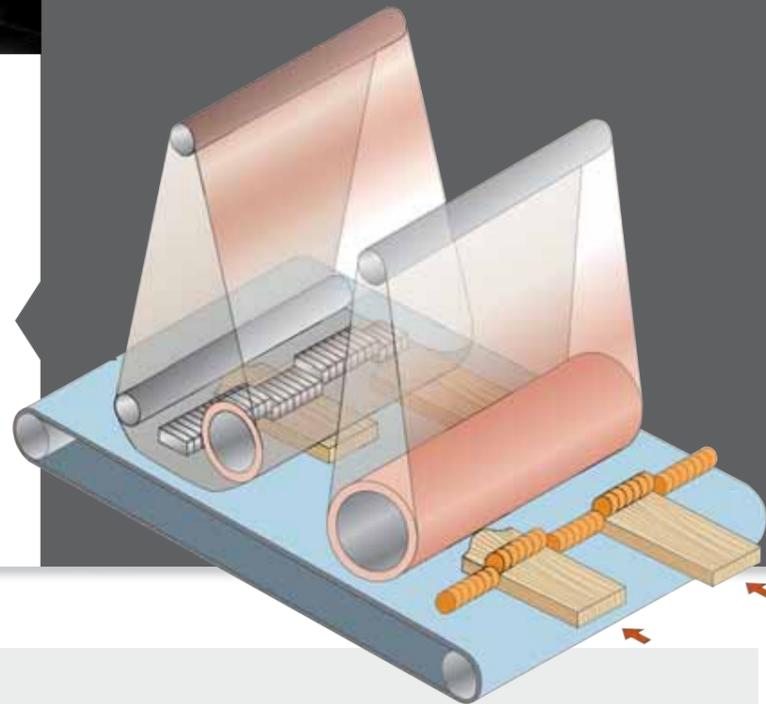
sectioned pad.



**toptech**

**“MESAR” ELECTRONIC SECTIONAL PAD:  
THE BEST FINISH WITH ANY MATERIAL.**

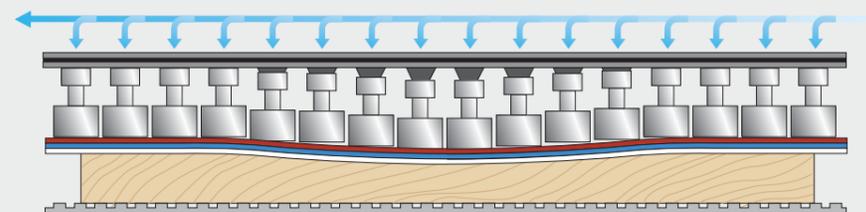
Higher quality results due to the special shape of the sectors that allows the operator to intervene “softly” but also in an “aggressive” way, simply by varying the working pressure. The setting of the pad position and the possibility of using foils of different thicknesses increases its versatility.



A line of sensors detecting the work piece profile, automatically controls the electronic pad intervention thus avoiding any possible damage when machining.

**“MESAR” ELASTIC SECTIONAL PAD:  
MAXIMUM EFFICIENCY WITH A LOW INVESTMENT.**

Ideal for internal honeycomb doors/panels due to its structure consisting of a line of sectors with a single pneumatically operated adjustable pressure device. The result is optimum finishing when machining veneered panels.



electronic controls.



**“LOGIC 50” ELECTRONIC PROGRAMMER:  
EASY-TO-USE.**

It controls an electronic sectional pad in addition to pads and rollers, for machines with variable feed speed.



**toptech**

**“LOGIC SC” ELECTRONIC PROGRAMMER: EASILY AVOIDING MISTAKES.**

Simple and intuitive, allowing the operator to set all processing parameters in sequence and then launch them with the touch of a button. The possibility to store various work programs to retrieve the machine settings most commonly used makes it ideal even for unskilled operators.



**Digital ammeter**

It allows an easy and immediate visualization of the main motors power absorption.

**“LOGIC TS” ELECTRONIC PROGRAMMER:  
TECHNOLOGY TO YOUR SERVICE.**

Powerful and reliable, it is fitted with a touch-screen making all machine functions quick and easy to operate.

- LCD colour display, size 5,7 or 10,4 inches
- 120 working programs



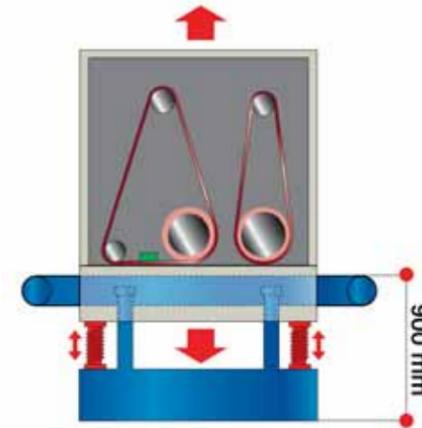
# sandya 600

cleaning groups.



**Timed oscillating belt cleaning blower**  
Electronically controlled timing and only when a component is present in the machine guarantees **reliability** over time and **reduces compressed air consumption to a minimum**. Particularly advisable when machining painted work pieces.

other devices.



**Worktable at fixed height: ease of use**  
The version with 900 mm fixed height worktable allows the roller conveyors or belt transfer units to be positioned at the machine infeed and/or outfeed, to facilitate the machining of long and heavy work pieces.

## Rotating blowers

The rotating blowers gently removes dust from sanded components. To reduce the consumption of compressed air to a minimum, the unit operation is timed and the blowers only operate when a component is present in the machine.



**Buffing unit**  
It provides a perfect finish and a smooth panel surface before final painting.



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



**Automatic table positioning: practicality and precision together**  
The automatic detection of the work piece thickness allows precise machining at all times and without the risk of operator error. The decimal setting of this system also allows setting the work depth independently of the material.



**Automatic feed belt tensioning and centring: for an easy operation**  
An electro-pneumatic system keeps the feed belt on track, perfectly centred and tensioned at all times. The system is automatic and **no operator intervention is required**.

# sandya 600

other devices.



**Led indicator for panel introduction**  
Simple and intuitive, communicating to the operator where and when the panel has to be introduced into the machine and optimising the standard wear of the sanding belt; this ensures a better quality finish and reduced machine costs.



Belt oscillation controlled by an electronic photocell  
This precision control system ensures the maximum uniformity in belt oscillation: this reduces the risk of belt breakage and improves finishing quality.

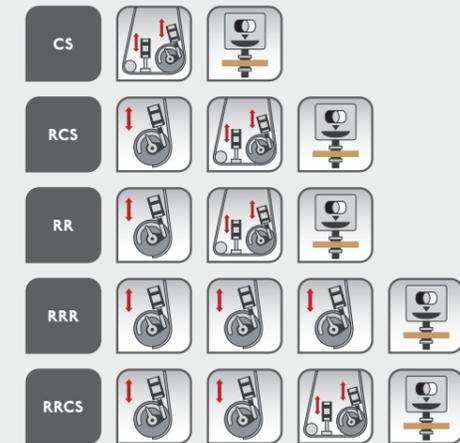


machines set up for all requirements.

## A VERSION FOR RAPID WORK CHANGEOVER

Ideal for generic solid wood applications

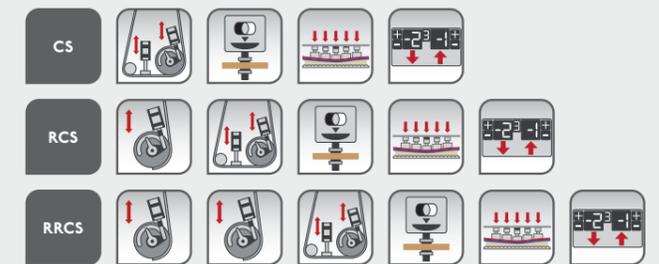
- ▶ On-off pneumatic selector for rollers
- ▶ On-off pneumatic selector for pad
- ▶ Electronic positioning for working table



## B VERSION FOR PERFECT FINISHING

Solid wood/veneered applications

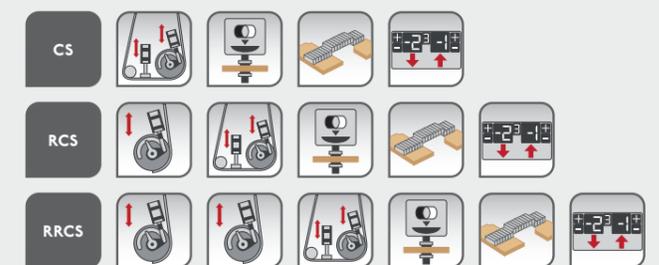
- ▶ On-off pneumatic selector for rollers
- ▶ On-off pneumatic selector for pad
- ▶ Electronic positioning for working table
- ▶ Elastic sectional pad
- ▶ Logic 50 K electronic programmer



## C / C-PLUS VERSION FULL RANGE OF OPTIONS FOR ALL SANDING OPERATIONS

Solid wood/veneered applications and also on honeycomb panels with irregular shapes

- ▶ On-off pneumatic selector for rollers
- ▶ On-off pneumatic selector for pad
- ▶ Electronic positioning for working table
- ▶ Elastic sectional pad
- ▶ Logic 50 K electronic programmer

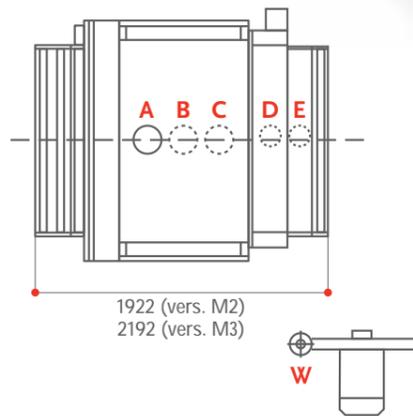


# sandya 600

overall dimensions.



1650 (vers. 110)  
1900 (vers. 135)



1922 (vers. M2)  
2192 (vers. M3)

## EXHAUST HOODS

	110	135		
A	ø 160 mm	ø 195 mm	standard	M2 - M3 version
B	ø 160 mm	ø 195 mm	standard	M2 - M3 version
C	ø 160 mm	ø 195 mm	standard	M3 version
D	ø 160 mm	ø 160 mm	option	brushing unit - rotating blower
E	ø 160 mm	ø 160 mm	option	rotating blower
W	ø 66 mm	ø 66 mm	option	vacuum

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**scm**  
**routech**  
**celaschi**  
**dmc**  
**superfici**  
**sergiani**  
**gabbiani**  
**morbidelli**  
**mahros**  
**stefani**  
**cpc**  
**sag**  
**scmgroup**  
**delmac**  
**scmfonderie**  
**steelmec**  
**hiteco**  
**es**  
**csr**  
**CMS Cms**  
wood technology  
**CMS Cms**  
advanced materials technology  
**CMS Brembana**  
stone technology  
**CMS Brembana**  
glass technology  
**CMS CmsPlast**  
plastic technology  
**CMS Tecnocut**  
waterjet technology  
**CMS Balestrini**

1 large integrated group  
 18 production sites  
 29 specialist brands  
 21 foreign branches  
 more than 50 years in business  
 70% exported  
 350 agents and distributors  
 365 registered patents  
 500 engineers  
 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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 passion technology performance

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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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