

electronically and programmable spindle moulders class ti 145ep class ti 120e class tf 130e



	class ti 145ep	class ti 120e	class tf 130e
Spindle height CE Ø 30-35 (40-50)	mm 140 (160)	140 (180)	140 (180)
Max. diameter of the profiling tool	mm 250	250	250
Max. tool diameter retractable under worktable at 90°	mm 300	320	300
Max. diameter of tenoning tool CE Ø 30-35 (40-50)	mm 300 (300)	300 (350)	300 (300)
Three-phase motor's power starting from	kW/Hz 7 (8) / 50 (60)	5 (6) / 50 (60)	7 (8) / 50 (60)

Find the complete technical specification at page 48



Spindle Moulder Unit sturdiness and versatility



Spindle Moulder Fence set-up rapidity



Electronic Control operating advantage



Machine Versions specialisation and professionalism

More quality, more performance, more reliability.

manual
spindle moulders
class tf 130
class tf 130ps
class ti 120



	class tf 130	class tf 130ps	class ti 120
Spindle height CE Ø 30-35 (40-50)	mm 140 (180)	140 (180)	140 (180)
Max. diameter of the profiling tool	mm 250	250	250
Max. tool diameter retractable under worktable at 90°	mm 300	320	320
Max. diameter of tenoning tool CE Ø 30-35 (40-50)	mm 300 (350)	300 (350)	300 (350)
Three-phase motor's power starting from	kW/Hz 7 (8) / 50 (60)	7 (8) / 50 (60)	5 (6) / 50 (60)

Find the complete technical specification at page 48



Spindle Moulder Unit:
sturdiness and versatility



Spindle Moulder Fence:
set-up rapidity

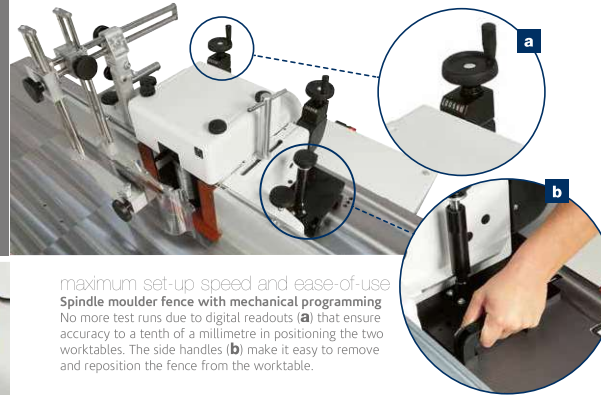
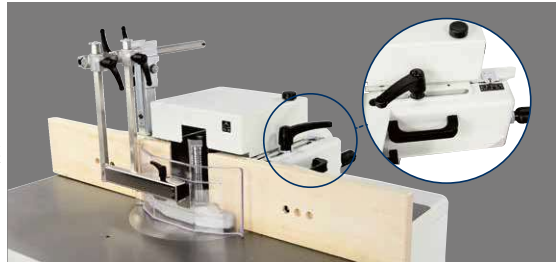


Machine Versions:
specialisation and professionalism

Precision and reliability in unbeatable time.

spindle moulder operating groups

easy to use
Adjustable spindle moulder fence
 A handle provides the setting-up of the infeed table, which effects the removal and it is verified by an index on a metric scale.



maximum set-up speed and ease-of-use
Spindle moulder fence with mechanical programming
 No more test runs due to digital readouts (a) that ensure accuracy to a tenth of a millimetre in positioning the two worktables. The side handles (b) make it easy to remove and reposition the fence from the worktable.



immediately in the correct position
"Flex" system
 A single, simple movement to retract and re-position instantly and accurately the position of the fence on the worktable with such precision that no other control is necessary.



sturdiness and versatility

Spindle moulder unit
 Maximum stability and rigidity in all working conditions, thanks to a large spindle moulder column made entirely of cast iron. The spindle is surrounded by a cast iron "cup" to protect the internal mechanical components from shavings and sawdust. The 5 standard speed are ideal for any type of machining, from profiling to moulding and tenoning, with the possibility to fit large diameter tools.



the best support for the worktable

"Fast" sectional table
 Provides support for the work-piece being machined close to the tool, allowing the adjustment with mounted tools and the very best quality finish when machining narrow pieces. The extremes in machinable material eliminate the disadvantages of a possible collision with the tool.

automatic and removable
"Flex One" spindle moulder fence
 Automatic adjustment of the entire fence according to the tool diameter. User-friendly worktable exclusion system with precise re-positioning.



machining with tools on the spindle head carried out with the "Flex" fence

The spindle moulder fence can be located behind the tool allowing the performance of "head" routing using small diameter tools, typical of a router or portable electric tools; all this in compliance with CE safety regulations.



engraving,
 grooving,
 mortising

spindle moulder machine versions



class 1f 130ps with front sliding carriage
Designed to manage tenoning operations very easily.



"LL" versions with worktable side extensions
Ideal when machining very long work-pieces due to worktable extensions. The mobile front bar makes it easy to move large dimensioned work-pieces on the worktable, particularly for edge profiling.



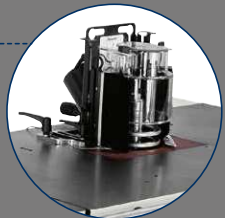
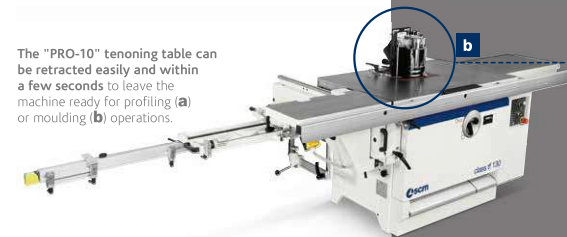
Carriage on worktable for small tenoning operations
Ideal for tenoning of small work-pieces for the versions without sliding carriage. Mitre cuts with angles of $\pm 60^\circ$ on the worktable are possible. Easy fitting and removal due to the fixing system on the worktable.



"TL PRO-10" versions
The manual feed carriage is a cast iron structure running on linear slideways with recirculating ball screws, guaranteeing maximum machining precision and stability.



The "PRO-10" tenoning table can be retracted easily and within a few seconds to leave the machine ready for profiling (a) or moulding (b) operations.



For a total safety and a higher flexibility, the machine is supplied, as standard feature, with a **special protection hood for moulding operations.**



"TL" versions
Top machining precision and stability due to the manual feed carriage with castiron structure mounted on axial bearings running on slideways made from hardened and ground bar.

spindle moulders electronic controls

Technical specification at page 49

"Ready"

The programming of the work becomes simple and effective with the electronic control with a 4" LCD colour screen. Working mode: manual, semi-automatic and automatic with a memory capacity of up to 99 programs.



Tool-holder shaft lifting



Adjustment of the entire profiling fence



Tool-holder shaft tilting



Tool-holder shaft speed readout

Powered operating unit movement with digital readouts.
Maximum precision and ease-of-use.



For the most recurring machining jobs it is possible to set the dimensions of the required profile and select the tool to be used. The controls will create the dedicated program to carry out the require machining operations.

"Easy" control can easily manage the inverter for the adjustment of spindle rotation speed. (option)

"Easy"

Maximum reliability and easy to use due to the function push buttons with the electronic control of up to 8 axes with the 7" LCD display, 16:9 format. Integrated and fast control of all dedicated functions. These features translate into immediate improvements in productivity and guarantees the capability and the full potential of the machine.



Operator Support Data		
35,0	High Grooves	[Icon]
180,0	Central Grooves	[Icon]
35,0	Low Grooves	[Icon]
2,0		

Gestione Utensili	
02-UTENSILE1	Seleziona L1 L1
	Seleziona L2 L2
	Seleziona L3 L3
	Quote Assolute A
900 RPM	7

spindle moulders main optional devices

Feeder support device

High usable flexibility and no use of worktable space, due to the cross device on the column support of the overhead control panel. The positions are made extremely simple using handwheels with digital readout.



"T-Set" rapid tool locking

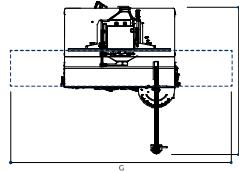
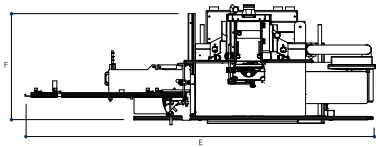
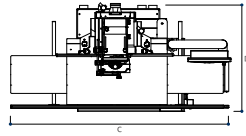
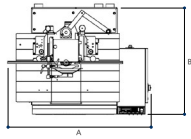
A simple compressed air gun allows the tools locking and unlocking when the interchangeable spindle is present.



Advanced materials machining

PVC and other plastic materials. Nylon, polycarbonate and other synthetic materials.

spindle moulder technical data



S Standard
O Option

TECHNICAL DATA	class ti 145ep	class ti 120e	class tf 130e	class tf 130	class tf 130ps	class ti 120
Worktable dimensions	mm 1200 x 780	1200 x 810	1200 x 730	1200 x 730	1080 x 760	1200 x 810
Spindle tilting	-45,5° ± +45,5°	-45° ± +45°	-	-	-	-45° ± +45°
Spindle height CE Ø 30-35 (40-50)	mm 140 (1160)	140 (1180)	140 (1180)	140 (1180)	140 (1180)	140 (1180)
Spindle speed (at 50 Hz)	rpm 3000/4500/6000/ 7000/10.000	3000/4500/6000/ 7000/10.000	3000/4500/6000/ 7000/10.000	3000/4500/6000/ 7000/10.000	3000/4500/6000/ 7000/10.000	3000/4500/6000/ 7000/10.000
Max. diameter of the profiling tool	mm 250	250	250	250	250	250
Max. tool diameter retractable under worktable at 90°	mm 300	320	300	300	320	320
Max. diameter of tenoning tool CE Ø 30-35 (40-50)	mm 300 (300)	300 (350)	300 (300)	300 (350)	300 (350)	300 (350)
other technical features						
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz	-	S	-	-	-	S
Three-phase motors 7 kW (9,5 hp) 50 Hz - 8 kW (11 hp) 60 Hz	S	O	S	S	S	O
Three-phase motors 9 kW (12 hp) 50 Hz - 11 kW (15 hp) 60 Hz	O	O	O	O	-	O
Exhaust hood diameter:						
- at the base	mm 100	2 x 80	120	120	120	2 x 80
- on the spindle moulder fence	mm 120	120	120	120	120	120

OVERALL DIMENSIONS		class ti 145ep	class ti 120e	class tf 130e	class tf 130	class tf 130ps	class ti 120
A	mm	1655	1194	1324	1324	-	1194
B	mm	1265	1280	1010	1010	-	1280
C	mm	2600	2600	2600	2600	-	2600
D min.	mm	1265	1300	1340	1340	-	1300
D max.	mm	1575	1710	1650	1650	-	1710
E	mm	3780	3520	3551	3551	-	3197
F min.	mm	1375	1300	1340	1340	-	1300
F max.	mm	1685	1710	1650	1650	-	1710
G	mm	-	-	-	-	2080	-
H	mm	-	-	-	-	2740	-

MAIN OPTIONAL DEVICES	class ti 145ep	class ti 120e	class tf 130e	class tf 130	class tf 130ps	class ti 120
"Ready" version	S	-	-	-	-	-
"Easy" version	O	-	-	-	-	-
class tf 130ps with front sliding carriage	-	-	-	-	S	-
Mobile control panel	O	-	O	O	-	-
Powered operating unit movement with digital readouts	-	S	S	-	-	-
"Flex" spindle moulder fence	O	O	O	O	O	-
"Flex One" spindle moulder fence	O	-	-	-	-	-
Inverter for the rotation speed adjustment from 900 to 10.000 rpm	O	-	-	-	-	-
Feeder support device with manual vertical and horizontal movements	O	-	O	O	-	-
Spindle moulder fence with mechanical programming	S	S	S	O	O	O
Aluminium table instead of the wooden ones for profiling fence	O	O	O	O	O	O
Interchangeable spindle	S	O	O	O	O	O
Spindle for router bits	O	O	O	O	O	O
"T-Set" rapid tool locking	O	-	O	O	O	-
"Fast" sectional table with manual adjustment	S	-	S	O	-	-
"LL" version with 2 cast-iron profiling extensions	O	O	O	O	-	O
"TL" version for tenoning and profiling	O	O	O	O	-	O
"TL PRO-10" version for tenoning and profiling	O	-	O	O	-	-
Tenoning table and tenoning hood	-	-	-	-	S	-
Carriage on the fixed table for small tenoning operations	O	O	O	O	-	O
Machine configuration for advanced materials machining	O	-	O	O	O	-

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



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



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.



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



wide belt sanders

dmc sd range

automatic wide belt sanders



**YOUR NEEDS,
OUR SOLUTIONS**



dmc sd 30



dmc sd 60



dmc sd 70



dmc sd 90

- 6
- DMC SD 30
- 8
- DMC SD 60
- 10
- DMC SD 70
- 12
- DMC SD 90

SOLID



Sturdy main frame for high production capabilities.

Up to 18,5 kW power for **high stock removal** calibrating.

MADE IN ITALY



100% made in Italy
Over 60 years' experience in innovating and manufacturing woodworking machines guarantees **top reliability and quality standards**.

RELIABLE



Technical features and design characteristics ensure a correct functioning and a **long-lasting reliability**.

FLEXIBLE



Wide availability of technological devices which makes the **sd range flexible and versatile** for every production process.

LEAN



The design, the concept and the general principles for the machine project are inspired by **lean production** to grant the customer a maximized result.

42
Machine controls

43
Technical data

TECHNOLOGICAL FEATURES

TECHNOLOGICAL ADVANTAGES

dmc sd 30
automatic wide belt sanders



Belt oscillation controlled by an electronic photocell for longer life span of the belt.



Natural rubber vacuum table with diamond-shaped belt: the best piece traction and the maximum stability.

Available versions
It is available with 950 and 1100 mm working widths, it is possible to accommodate 1 to 2 operating units to ensure a high flexibility level.



Sequencing Led indicator for panel introduction to ensure reduced machining costs.



Working table with wide-opening from 4 to 170 mm, for substantial working thickness processing.

TECHNOLOGICAL FEATURES

TECHNOLOGICAL ADVANTAGES

dmc sd 60
automatic wide belt sanders



"PRO.SAND" electronic programmer with 5,7" or 10,4" LCD colour display.



Automatic table positioning: the automatic detection of the work piece thickness allows precise machining at all times.

CS	RR	RCS
RRR	RRCS	

Available versions
Five versions, one to five operating units and 1100 and 1350 mm working widths.



Sequencing Led indicator for panel introduction to ensure reduced machine costs.



"HPL" planer unit, maximum removal in just one single pass.



Buffing and structuring units on the outfeed of the working table for exclusive surface finishes.



Interchangeable brushing unit on the outfeed of the working table for high processing flexibility.



Automatic feed belt centering for a longer lifespan of the belt.



Vacuum table no slipping of the work piece.

TECHNOLOGICAL FEATURES

TECHNOLOGICAL ADVANTAGES

dmc sd 70
automatic wide belt sanders



Long belts: 2620 mm length for greater productivity and less downtime.



160 mm rollers diameters for heavy-duty processing.



RR



RCS



RRR



RRCS

Available versions
Four versions, equipped with two or three operating units and 1350 mm working widths.



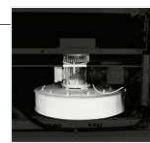
Belt oscillation controlled by an electronic photocell for longer lifespan of the belt.



Oscillating buffing unit and structuring unit on the outfeed of the working table for exclusive finishing.



Interchangeable brushing unit on the outfeed of the working table for high processing flexibility.



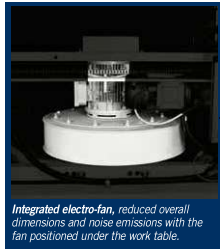
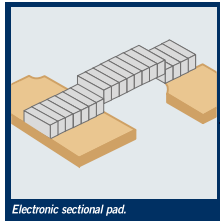
Integrated electro-fan, reduced overall dimensions and noise emissions with the fan positioned under the work table.

900 mm fixed height worktable for increased versatility (opt.)

TECHNOLOGICAL FEATURES

TECHNOLOGICAL ADVANTAGES

dmc sd 90
automatic wide belt sanders



Available versions
It is available in 12 versions, with two or three main operating groups, in which it is possible to insert a crossbelt or a planer unit in the first position, substitute the pad unit with a superfinishing unit, and add a complete range of devices for the work table and the presser units.



AVAILABLE PRE-CONFIGURED VERSIONS FOR DIVERSIFIED MACHINING

dmc sd range
automatic wide belt sanders

The available versions allow to set the machine in order to realize diversified machining with the highest level of finishing. The dmc sd range is the correct choice for SME's requiring customised solutions for answering swiftly to any market requirement.

A VERSION



On-off pneumatic selector for rollers



On-off pneumatic selector for combined unit



On-off pneumatic selector for pad



Electronic working thickness positioning

B VERSION



On-off pneumatic selector for rollers



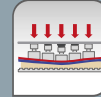
On-off pneumatic selector for combined unit



On-off pneumatic selector for pad



Electronic working thickness positioning



Elastic sectional pad



Logic 50 electronic programmer

C VERSION



On-off pneumatic selector for rollers



On-off pneumatic selector for combined unit



On-off pneumatic selector for pad



Electronic working thickness positioning



Electronic sectional pad



Logic 50 electronic programmer

A VERSION

THE IDEAL SOLUTION FOR SOLID WOOD

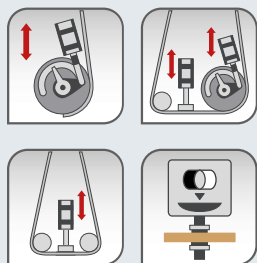
dmc sd range
automatic wide belt sanders



ON/OFF PNEUMATIC SELECTOR ON THE ROLLER UNIT
It allows the roller exclusion from the sanding process while maintaining the working table position unchanged.



ON/OFF PNEUMATIC SELECTOR FOR COMBINED UNIT
It allows the roller exclusion, or the sanding pad exclusion or both of them, from the sanding process while maintaining the working table position unchanged.



Universal calibrating and sanding of **solid wood**.

1. On-off pneumatic selector for rollers
2. On-off pneumatic selector for combined unit
3. On-off pneumatic selector for pad
4. Electronic working thickness positioning



EXTRACTABLE RIGID PAD
The rapid extraction system allows easy interchangeability of inserts for a rapid changeover from one type of machining to another. Possibility to add the semi-rigid pad when sanding veneered panels (option).

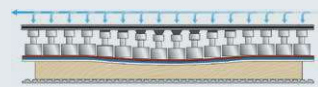


AUTOMATIC TABLE POSITIONING
The automatic detection of the work piece thickness allows precise machining at all times and without the risk of operator error. The decimal setting of this system also allows setting the work depth independently of the material.

B VERSION

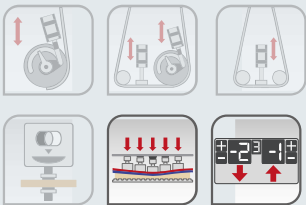
THE IDEAL SOLUTION FOR SOLID WOOD AND VENEERED MATERIALS

dmc sd range
automatic wide belt sanders



ELASTIC SECTIONAL PAD

Thanks to its capacity of adapting the irregular surfaces, it can be used for veneered panels sanding, even when they are not perfectly flat.



Calibrating and sanding of solid wood and veneered material.

1. On-off pneumatic selector for rollers
2. On-off pneumatic selector for combined unit
3. On-off pneumatic selector for pad
4. Electronic working thickness positioning
5. Elastic sectional pad
6. Logic 50 electronic programmer



"LOGIC 50" ELECTRONIC PROGRAMMER

Easy to use.

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

C VERSION

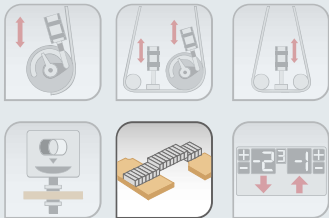
THE IDEAL SOLUTION FOR SOLID WOOD, VENEERED AND PAINTED MATERIALS

dmc sd range
automatic wide belt sanders



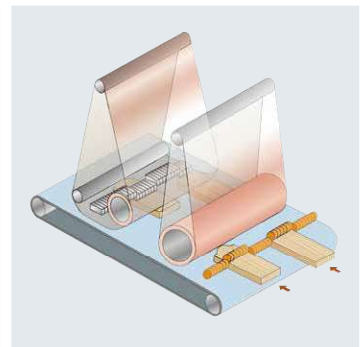
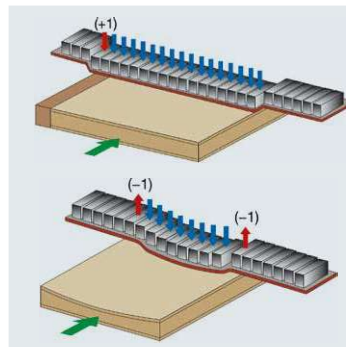
"MESAR" ELECTRONIC SECTIONAL PAD, THE BEST FINISH WITH ANY MATERIAL

Higher quality results due to the special shape of the sectors that allow 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.



Solid wood and veneered calibrating and sanding also on honeycomb panels with irregular shapes and painted materials.

1. On-off pneumatic selector for rollers
2. On-off pneumatic selector for combined unit
3. On-off pneumatic selector for pad
4. Electronic working thickness positioning
5. Electronic sectional pad
6. Logic 50 electronic programmer



OPERATING UNITS

AVAILABLE VERSIONS



CS VERSION

The CS combined unit is the secret of the dmc sd 30 and sd 60 flexibility. The possibility to use the roller and the pad either simultaneously or independently of one another provides high quality results.

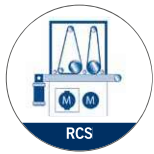
sd 30 sd 60



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 (windows and door frames). The large dimensioned sanding roller guarantees the very best finishing even on veneered and painted surfaces.

sd 60 sd 70 sd 90



RCS VERSION

Higher flexibility and productivity for a top quality finishing in a single passage. Ideal for all "typical" requirements of woodworking and veneering companies: from solid wood to veneered panels. The electronic sectional pad availability in models with 1100 mm working width, also enables the machining and sanding of honey-comb veneered panels.

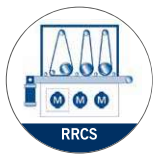
sd 30 sd 60 sd 70 sd 90



RRR VERSION

This version is dedicated to customers specialised in calibrating and sanding of generic solid wood and doors and windows elements. The machine configuration equipped with three working units guarantees the full process in one single pass.

sd 60 sd 70 sd 90



RRCS VERSION

The 3-unit configuration ensures high flexibility and time saving and makes this machine 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.

sd 60 sd 70 sd 90



OPERATING UNITS

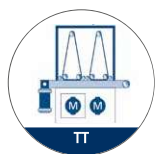
AVAILABLE VERSIONS



RT VERSION

It grants high flexibility and productivity as well as top finishing in one single pass due to the superfinishing unit. Excellent for all "typical" processing of solid wood, veneered panels and the sanding of the basecoat.

sd 90



TT VERSION

For all processing of panels with basecoat that require a high level of finishing. It can be achieved with the superfinishing unit.

sd 90



RCST VERSION

This version, available with the superfinishing unit, is perfect for both calibrating and sanding operations of large dimensioned panels. In the furniture sector (with veneered and painted panels) it excels in the provision of significant finishing.

sd 90



RRT VERSION

For all rough, veneered and painted panels processes that need a high level of finishing. Available with the superfinishing unit.

sd 90



RTT VERSION

This configuration is ideal for all sanding processing of painted panels that, due to the superfinishing unit, want high finishing standard.

sd 90



XRT VERSION

For all operations on painted panels that need the precision of the electronic sectional pad and the highest finishes up to 1000 grit.

sd 90



XRCs VERSION

For all processing that demand a pre-sanding activity and the precision of the electronic pad.

sd 90



XRR VERSION

For all processing that require pre-sanding activity. Optimal for solid wood applications.

sd 90



Example of XRT machine version

OPERATING UNITS

CALIBRATING/SANDING ROLLERS



Rollers are available in different diameters from 120 to 320 mm, both in grooved steel and rubber coating option for any requirement.

sd 30 sd 60 sd 70 sd 90

RUBBER-COATED ROLLER

The wide range of hardness (from 85 to 20 sh) enables the roller to obtain excellent results from the most aggressive sanding to the most delicate operations on veneered and painted panels.

GROOVED STEEL ROLLER

It provides the maximum precision on heavy calibrating operations, even on wood with a differentiated grain and knotted solid wood.

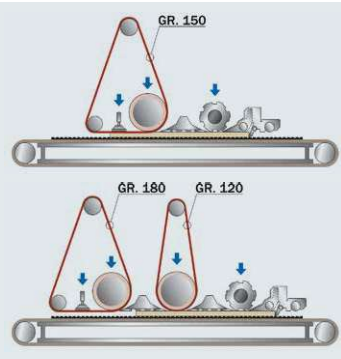


Diameter	sd 30	sd 60	sd 70	sd 90
120 mm	•			
140 mm		•	•	
160 mm		•	•	
175 mm				•
250 mm		•	•	•
320 mm				•

WORKING UNITS

PLANER UNIT

dmc sd range
automatic wide belt sanders



PLANER UNIT

One single pass to perform heavy material removal with low power consumption; a degree of finish comparable to the one obtained with the use of 4 abrasive belts due to the helicoidal positioning of the knives mounted on the unit.

The easy access allowed by the exclusion of the infeed rollers simplifies maintenance operations (option). 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 unit, even for an unskilled operator.

sd 60 sd 90



"HPL" PLANER UNIT: MAXIMUM REMOVAL COUPLED WITH MAXIMUM SAVINGS

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.

sd 60 sd 90



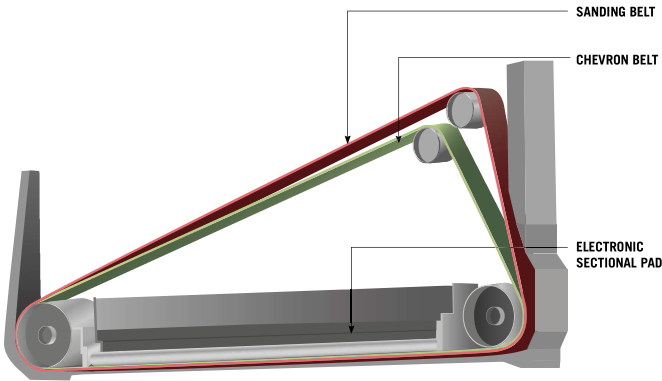
OPERATING UNIT CROSSBELT UNIT

CROSSBELT UNIT: AN EXCEPTIONAL FINISH IN SYNERGY WITH THE SANDING OF ROLLER UNIT OR SUPERFINISHING UNIT

The crossbelt sanding unit can be used as a setup unit for a following sanding operation, such as adhesive paper or filler removal, or as a final unit for the sanding of painted surfaces that require a high-quality finishing (polished or opaque effects).

The high-performance of the crossbelt unit are guaranteed by the electronic sectional pad, the 5000 mm belt length and from the cleaning system for a longer lifespan of belt and finishing uniformity.

sd 90



OPERATING UNITS

SUPERFINISHING UNIT

SUPERFINISHING UNIT: HIGH-QUALITY PROCESSING

Uniform finish with the chevron belt which improves the cooling of the abrasive action on the work piece and the copying capacity of the "MESAR" electronic pad.

The unit is particularly suitable for the superfinishing of solid wood components, MDF panels that have been laminated, veneered or painted (opaque and polished). It is the ideal choice for all companies that require the highest finishing level on "hi-gloss" panels.

sd 90



WORKING UNITS ON THE OUTFEED

dmc sd range
automatic wide belt sanders



BUFFING UNIT
It provides a perfect finish and a smooth panel surface before final painting.

sd 60 sd 70 sd 90



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

sd 60 sd 70 sd 90



WORKING UNITS ON THE OUTFEED

dmc sd range
automatic wide belt sanders

BRUSHING UNIT

The GSI interchangeable brushing unit has been designed to meet the flexibility and production versatility needs of small and medium sized manufacturers. The unit, thanks to the oscillation system and the tools diameter of 200 mm, can use: grain evidencing steel or tynex rollers, sanding rollers with abrasive strips for brushing, Scotch-Brite abrasive cloth rollers for the finish on paint, or cleaning rollers. Tool changeover takes a maximum of five minutes for unskilled operators.

sd 60 sd 70 sd 90

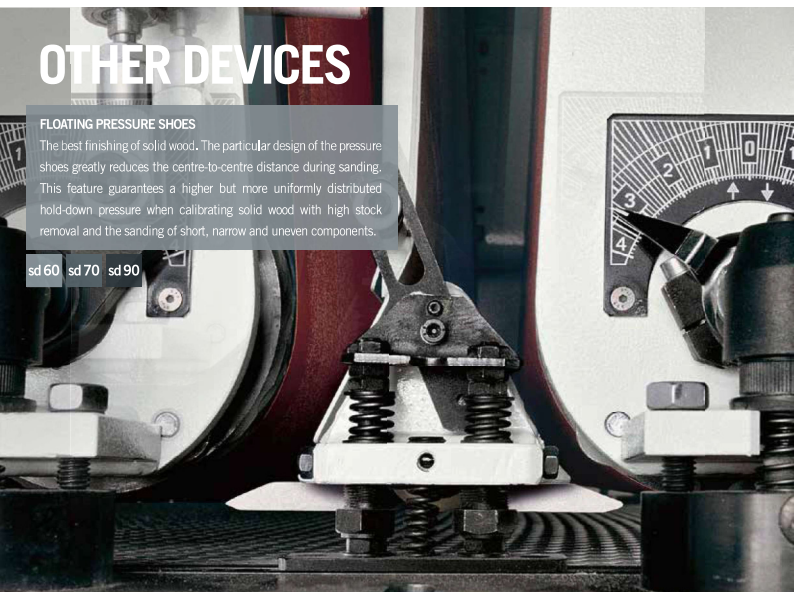


OTHER DEVICES

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.

sd 60 sd 70 sd 90



dmc sd range

automatic wide belt sanders



ROTATING BLOWERS

The rotating blowers gently remove 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.

sd 60 sd 70 sd 90



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.

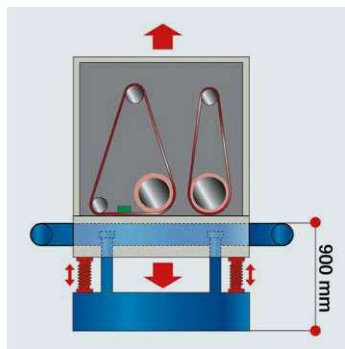
sd 30 sd 60 sd 70 sd 90



AUTOMATIC FEED BELT CENTERING

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.

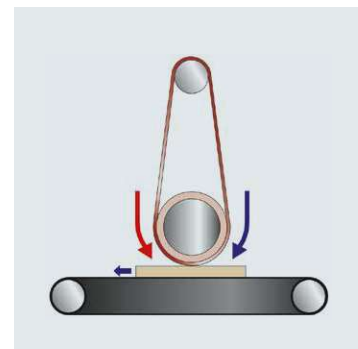
sd 30 sd 60 sd 70 sd 90



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.

sd 70 sd 90



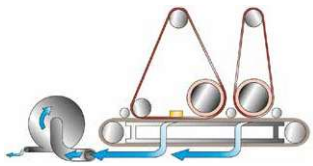
REVERSE ROTATION OF THE SANDING BELT

Ideal for the water-based paints. With dedicated exhaust hoods this is the perfect solution for solid wood pre-sanding as it removes any fibers that remain following calibration.

sd 60 sd 70 sd 90

OTHER DEVICES

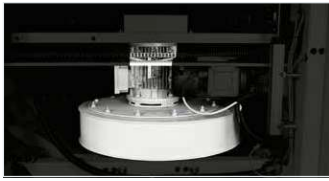
dmc sd range
automatic wide belt sanders



VACUUM TABLE WITH DIAMOND-SHAPED BELT

No slipping of the work piece. The best traction surface and the maximum stability for the panels are provided by the special geometry of the diamond-shaped profile of the transport belt.

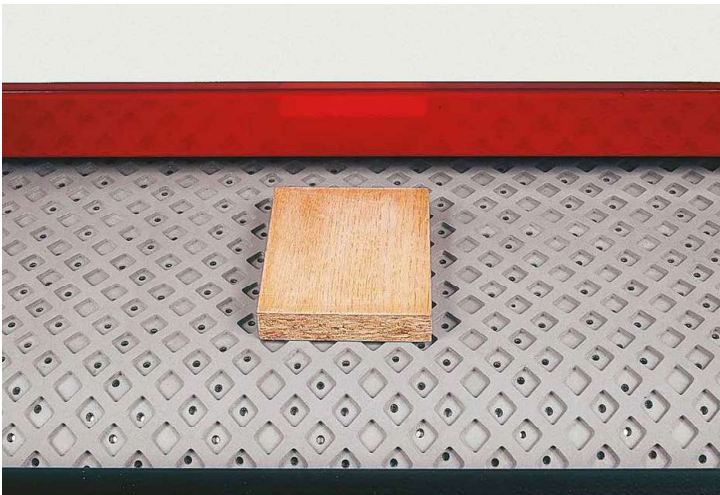
sd 60 sd 70 sd 90



INTEGRATED ELECTRO-FAN, GIVING EXTREME COMPACTNESS

Reduced overall dimensions and noise emissions with the fan positioned under the work table.

sd 70 sd 90



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.

sd 30 sd 60 sd 70 sd 90



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.

sd 30 sd 60 sd 70 sd 90

MACHINE CONTROLS



"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.

sd 30 sd 60 sd 70 sd 90



"PRO-SAND" ELECTRONIC PROGRAMMER

Technology at your service. Powerful and reliable, it is fitted with a touch-screen making all machine functions quick and easy to operate. - 5,7" or 10,4" LCD colour display - 120 working programs

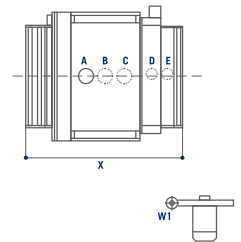
sd 60 sd 70 sd 90

STANDARD EQUIPMENT AND OPTIONS

	sd 30	sd 60	sd 70	sd 90
Working width	950 mm 1100 mm	1100 mm 1350 mm	1350 mm	1350 mm
Abrasive belts length	1900 mm	2150 mm	2620 mm	2620 mm
Main working units	1-2	1-2-3	2-3	1-2-3
Max. motor power (50 hz)	18,5 kW	18,5 kW	18,5 kW	20 kW
Independent motors	-	opt	opt	opt
Roller diameter (CS unit)	140 mm	160 mm	160 mm	175 mm
Roller diameter (R unit)	120 mm	140 mm 175 mm 250 mm	160 mm 175 mm 250 mm	175 mm 220 mm 250 mm 320 mm
Planer Unit (HPL)	-	opt	-	opt 180 mm
Buffing unit	-	opt	opt	opt
Structuring unit	-	opt	opt	opt
Electronic sectional pad	opt 55 mm	opt 55 mm 30 mm	opt 55 mm 30 mm	opt 55 mm 30 mm
Crossbelt unit	-	-	-	opt 5000 mm
Brushing unit	/	opt (1350)	opt	opt
Vacuum table	-	opt	opt	opt
Fixed table	-	-	opt	opt

TECHNICAL DATA

dmc sd range
automatic wide belt sanders



HOODS DIAMETER

	dmc sd 30	dmc sd 60	dmc sd 70	dmc sd 90	
	95-110	110-135	135	135	Working width
A	140	160	195	195	First unit
B	140	160	195	195	Second unit
C+		160	195	195	Third unit
D		160	160	160	Operating unit
E		160	160	160	Rotating blowers
W1		66	-	-	Internal vacuum
W2			150	150	External vacuum

MACHINE DIMENSIONS

	dmc sd 30	dmc sd 60	dmc sd 70	dmc sd 90	
	95-110	110-135	135	135	Working width
X	1820	1920	195	2190	Version with 1 or 2 working units
X	-	2190	195	2580	Version with 3 working units
Y	1500-1650	1650-1900	195	1900	Machine width
Z	1960	2030	160	2390	Machine with mobile table
Z	-	-	160	2390-2590	Machine with fixed table



POWER ONLY WHEN IT IS REQUIRED

SavEnergy allows the use of power only when it is required, making things operate only when they are really necessary. It means the machine automatically enters "stand-by" mode when there are no panels to be machined.

**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =**

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 prescribed by CE Norms.

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: A CONTINUOUS COMMITMENT TO PROTECT YOUR INVESTMENT

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

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

