ROGIERS

LEADING MACHINES. ULTIMATE SERVICE.

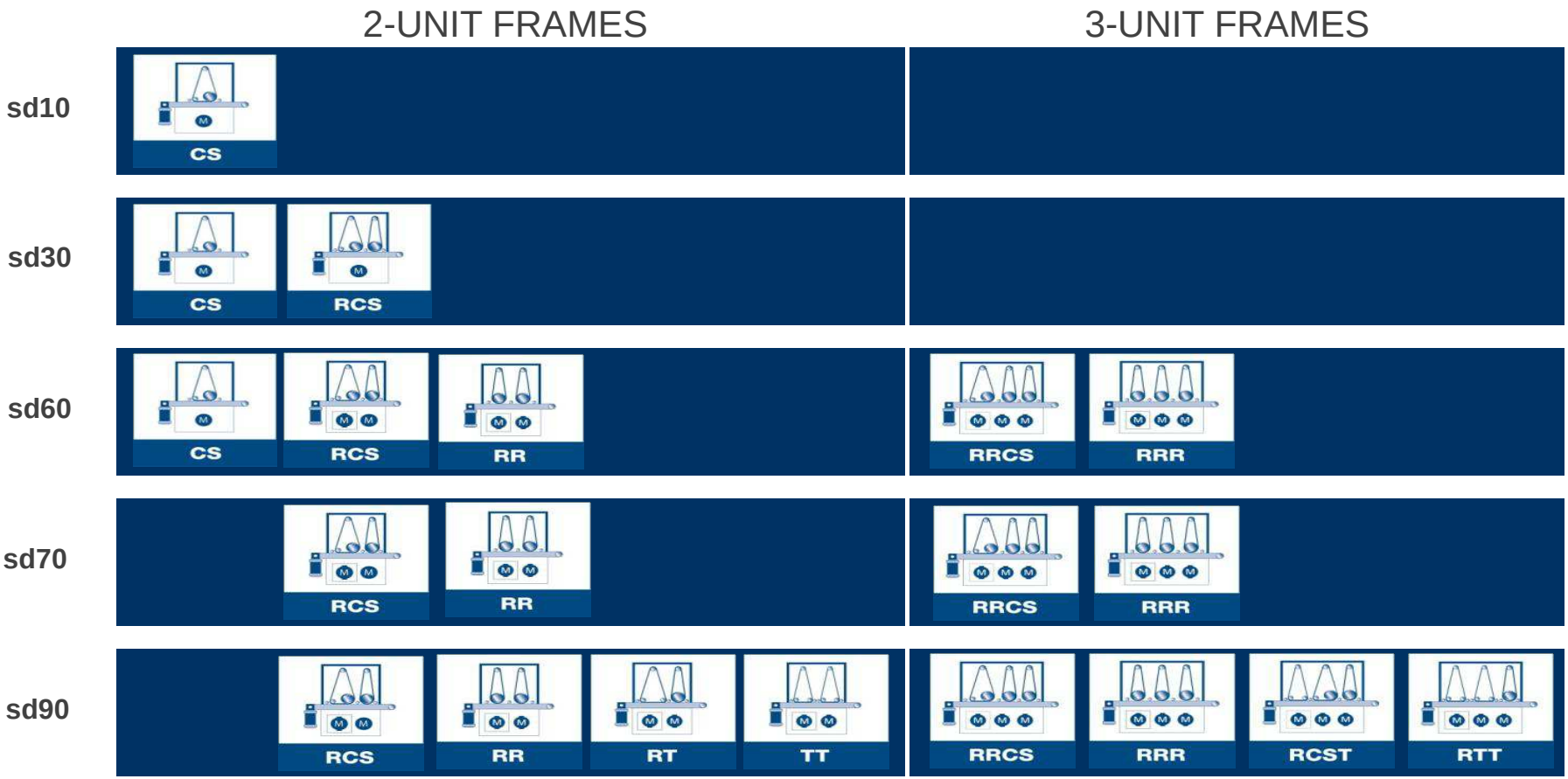


DMC SD

	dmc sd 10	dmc sd 30	dmc sd 60	dmc sd 70	dmc sd 90
WORKING WIDTH	950 mm	950 mm 1100 mm	1100 mm 1350 mm	1350 mm	1350 mm
SANDING BELT LENGTH	1525 mm	1900 mm	2150 mm	2620 mm	2620 mm
MAIN OPERATING UNITS	1	1-2	1-2-3	2-3	1-2-3
MAX MOTOR POWER (@ 50 Hz)	11 kW	18,5 kW	18,5 kW	18,5 kW	22 kW
INDEPENDENT MOTORS	–	OPT	OPT	OPT	OPT
ROLLER DIAMETER (CS unit)	120 mm	120 mm	160 mm	160 mm	175 mm
ROLLER DIAMETER (R unit)	–	120 mm 140 mm	140 mm 175 mm 250 mm	160mm 175mm 250mm	175 mm 250 mm 320 mm
CUTTER HEAD (HPL planer)	–	–	OPT	–	OPT
ELECTRONIC SECTIONAL PAD	–	OPT 55 mm 30 mm	OPT 55 mm 30 mm	OPT 55 mm 30 mm	OPT 55 mm 30 mm
SUPERFINISHING PAD (chevron)	–	–	–	–	OPT
VACUUM TABLE	–	–	OPT	OPT	OPT
CONSTANT PASSLINE	–	–	–	OPT	OPT

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woodworking technology

DMC SD


2-UNIT FRAMES
3-UNIT FRAMES
sd10
CS
sd30
CS
RCS
sd60
CS
RCS
RR
RRCS
RRR
sd70
RCS
RR
RRCS
RRR
sd90
RCS
RR
RT
TT
RRCS
RRR
RCST
RTT

DMC SD

sd10	S300	S600	9/S E	S900

dmc sd 10



Highlights

- ✓ Working width: 950 mm
- ✓ Sanding belts length: 1.525 mm
- ✓ Ø120 mm 85 sh rubber roller
- ✓ Manual stiff pad
- ✓ Main motor power: from 5,5 kW to 11 kW
- ✓ Electronic oscillating of sanding belt
- ✓ Powered adjustment of working thickness with digital readout

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woodworking technology

DMC SD

sd10 | sd30 | sd60 | sd70 | sd90

dmc sd 10

Example of machine composition

CS



Main options

- Ø120 mm steel roller
- Automatic anti-dubbing pad device,
- automatic feed belt tracking,
- oscillating belt cleaning blower,
- electronic positioning for working table

DMC SD

sd10	sd30	sd60	sd70	sd90

dmc sd 30



Highlights

- ✓ Working width: 950-1100 mm
- ✓ Sanding belts length: 1.900 mm
- ✓ 1st roller diameter Ø120 mm
- ✓ “CS” Combined roller diameter Ø140 mm
- ✓ Main motor power: from 11 kW up to 15 kW
- ✓ Manual stiff pad
- ✓ Electronic oscillating of sanding belt
- ✓ Powered adjustment of working thickness with digital readout

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dmc sd 30

Main options

- “MESAR" elastic sectional pad
- “MESAR 20” Electronic sectional pad
- 2-speed main motor power
- oscillating belt cleaning blowers
- electronic positioning for working table
- "Logic 50K" and Logic "SC" electronic control

Example of machine composition

RCS



scm woodworking technology

DMC SD

sd10	sd30	sd60	sd70	sd90

dmc sd 60



Highlights

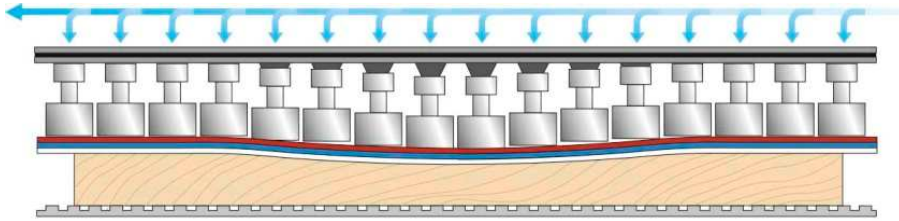
- ✓ Working width: 1100-1350 mm
- ✓ Sanding belts length: 2.150 mm
- ✓ Calibrating roller diameter Ø140 mm
- ✓ "CS" Combined roller diameter Ø160mm
- ✓ Calibrating roller diameter RR version Ø160mm
- ✓ Sanding roller diameter RR version Ø250mm:
- ✓ Main motor power: from 11 kW up to 18,5 kW
- ✓ Manual stiff pad
- ✓ Electronic oscillating of sanding belt
- ✓ Powered adjustment of working thickness with digital readout

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woodworking technology

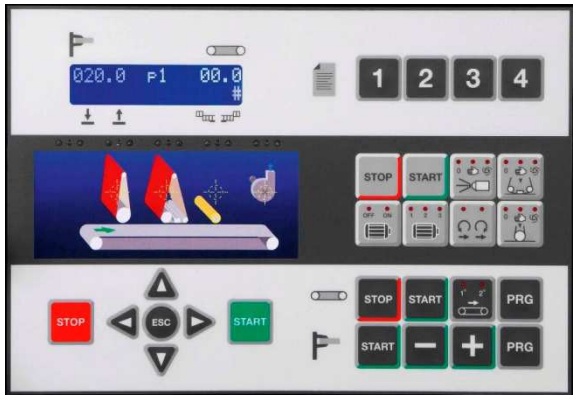
dmc sd 60

Main options

- “MESAR" elastic sectional pad
- “MESAR 24” –“MESAR 46” Electronic sectional pad
- HPL Planner unit available only for versions 110
- 2-speed main motor power
- oscillating belt cleaning blowers
- electronic positioning for working table
- "Logic 50K" and Logic "SC" electronic control



Elastic sectional pad



Logic SC

dmc sd 60

Examples of machine compositions

RRCS



RR



DMC SD

sd10	Sd30	Sd60	sd70	S900

dmc sd 70



Highlights

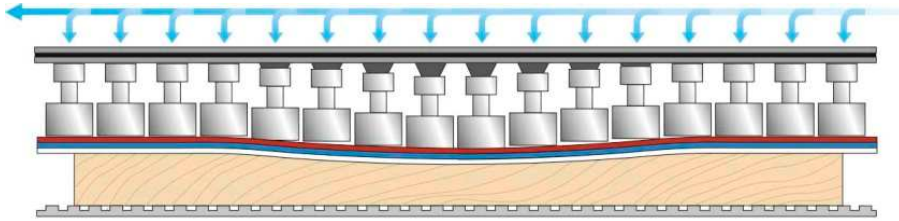
- ✓ Working width: 1100-1350 mm
- ✓ Sanding belts length: 2.150 mm
- ✓ Calibrating roller diameter Ø160 mm
- ✓ "CS" Combined roller diameter Ø160mm
- ✓ Calibrating roller diameter RR version Ø175mm
- ✓ Sanding roller diameter RR version Ø250mm:
- ✓ Main motor power: from 11 kW up to 18,5 kW
- ✓ Manual stiff pad
- ✓ Electronic oscillating of sanding belt

scm woodworking technology

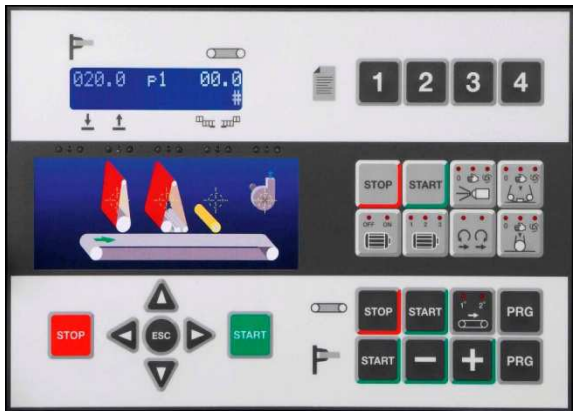
dmc sd 70

Main options

- “MESAR" elastic sectional pad
- “MESAR 24” –“MESAR 46” Electronic sectional pad
- Inverter main motor power
- Vacuum table with internal motor
- fixed table
- oscillating belt cleaning blowers
- electronic positioning for working table
- "Logic 50K" and Logic "SC" electronic control



Elastic sectional pad



Logic SC

dmc sd 70

Examples of machine compositions

RCS



RRCS



DMC SD

sd10	sd30	sd60	sd70	sd90

dmc sd 90



Highlights

- ✓ Working width: 1.350 mm
- ✓ Sanding belts length: 2.620 mm
- ✓ 9 different versions (2 or 3 main units)
- ✓ Ø320 mm rollers available in every position
- ✓ Max main motor power: 22 kW (@ 50 Hz)
- ✓ Vacuum table (opt.) with internal motor
- ✓ Supefinishing pad with chevron belt (opt.)

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woodworking technology

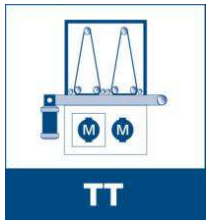
dmc sd 90

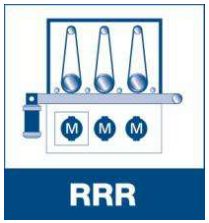
Basic versions

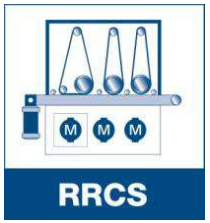


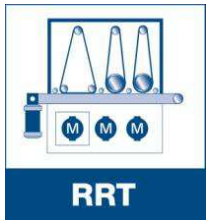


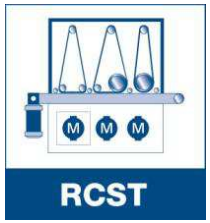


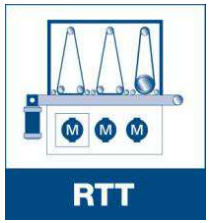












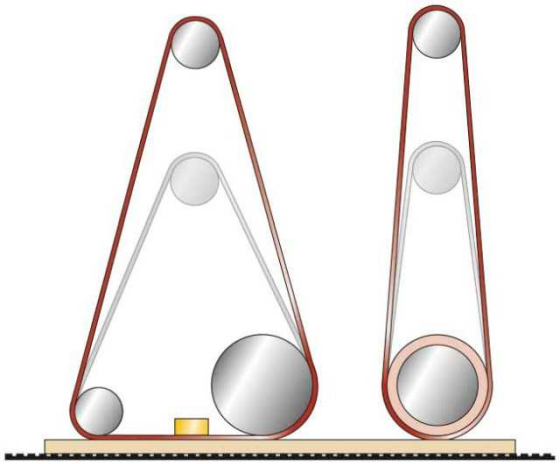
Optional units

- Standard pad unit “T” can be replaced by superfinishing pad unit “S” (with chevron belt)
- Standard roller unit “R” in 1st position can be replaced by “HPL” planer unit (not available for versions: RT, TT, RCST, RTT)

DMC SD

sd10	sd30	sd60	sd70	sd90
				std

dmc sd 90



Long belts: 2620mm length for greater finishing and productivity

Better cooling of the abrasive grains due to the greater development of the belts that reduces the adherence of processing dust. A longer belt lasts longer , requires fewer replacements and consequently less downtime .

sd10	sd30	sd60	sd70	sd90
				opt

dmc sd 90

Examples of machine compositions

RCS



RRS



DMC SD

sd10	sd30	sd60	sd70	sd90
				opt

dmc sd 90

Calibrating/sanding roller units







- ✓ 175, 220, 250 and 320 mm diameter calibrating/sanding rollers
- ✓ Knob for manual adjustment of the roller working height, with indicator and memory of the preselected abrasive belt grit
- ✓ Electronic control for the abrasive belt translation
- ✓ ON/OFF pneumatic selector for the roller (optional)

scm
woodworking technology

DMC SD

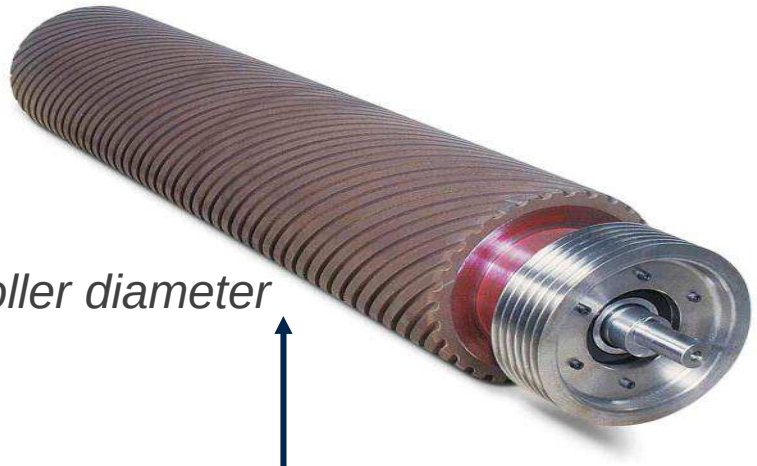
sd10	sd30	sd60	sd70	sd90
				opt

dmc sd 90



Larger diameter for better finishing:

- ✓ lower stock removal capacity
- ✓ lower abrasive belt heating
- ✓ larger contact surface



320 roller diameter

DMC SD

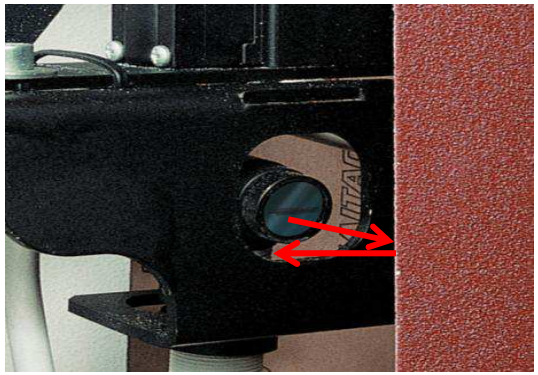
sd10	sd30	sd60	sd70	sd90
std	*std*	*std*	*std*	*std*

technologies

Abrasive belt tracking system

Reflex system with background suppression. When the signal is interrupted by the belt, it is reflected on a receiver thus provoking the activation of the oscillation command. The detector reads the returning angle of the signal, so it is not influeced by objects that are closer or farer than target (abrasive belt). The system is very accurate and detect also abrasive belts with internal dark grey or black support





DMC SD

technologies

sd10	sd30	sd60	sd70	sd90
opt	opt	opt	opt	opt

Eletronic positioning



Automatic detection of the workpiece 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 thickness
(available with the “a”, “b”, “c” and “c plus” versions)

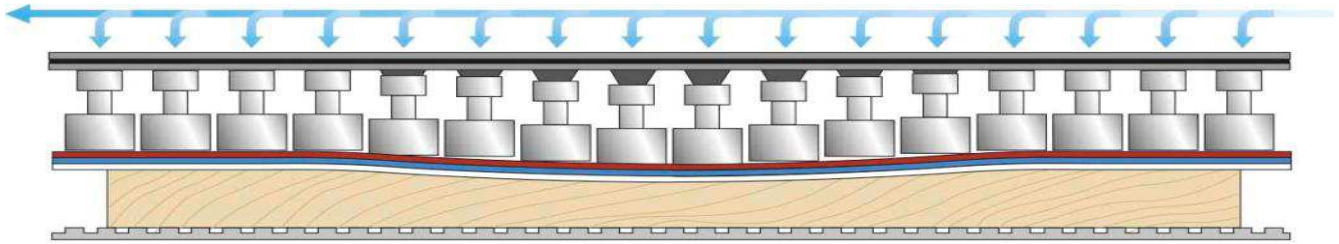
DMC SD

sd10	sd30	sd60	sd70	sd90
.	opt	opt	std	opt

technologies

“mesar” elastic sectional pad

High technology and reliability for the craftsmen and the small companies



Advantages in comparison to a standard pad

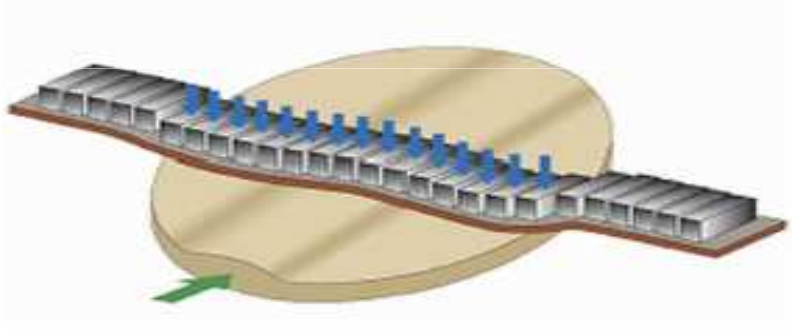
Possibility to modify the pressure inside the sectors and, therefore, to vary the operating unit "abrasion" on the workpieces to be processed. Several interchangeable contact inserts types, suitable to the many work needs as solid wood, veneered and painted panels (available with the “b” version)

DMC SD

technologies

sd10	sd30	sd60	sd70	sd90
.	opt	opt	std	std

“mesar (20-24-37-46)” electronic sectional pad

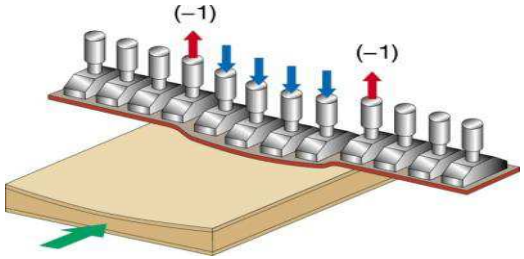


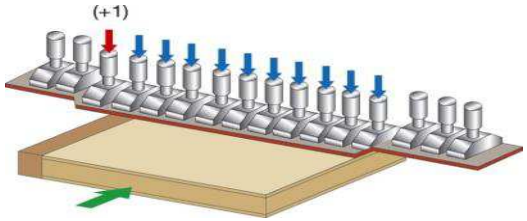
It provides optimal finishing when sanding shaped, honey comb and irregualr panels (available with the “c” and “c plus” versions)

DMC SD

sd10	sd30	sd60	sd70	sd90
.	opt	opt	-	opt

technologies





Hollow panels. The pad follows the workpiece profile: in order to avoid edge chamfering one sector less is activated on both sides. To increase the plate curve it is possible to activate two of three sectors less on both sides: this allows to sand the center of very concave panels.

Panel with a solid timber edge. The solid timber edges are usually harder: one or more sectors can be added to the left hand side of this panel, to increase effectiveness on the solid timber edge, without damaging the other zones.

DMC SD

sd10	sd30	sd60	sd70	sd90
.	opt	opt	opt	opt

technologies

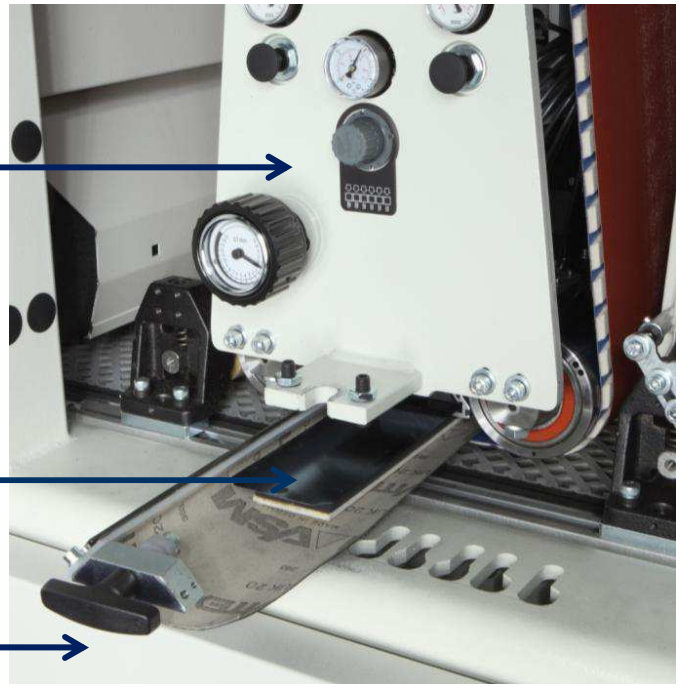
Electronic sectional pad and elastic sectional pad “mesar”

available with the “b”, “c” and “c plus” versions

Working pressure adjustment

Standard equipment of two contact inserts

Graphite cloth with quick replacing system



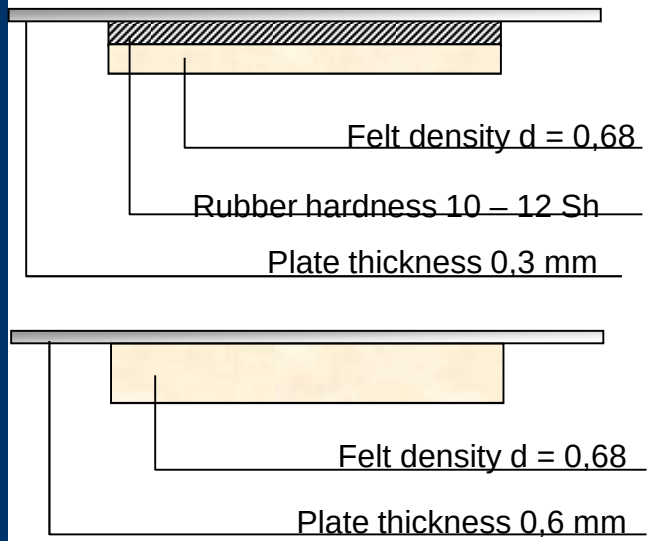
scm woodworking technology

DMC SD

sd10	sd30	sd60	sd70	sd90
.	opt	opt	opt	opt

technologies

Electronic sectional pad and elastic sectional pad “mesar”



Semi-sandwich contact insert

- Sanding of veneered hollow panels with strong waviness
- Sanding of UV, polyurethane or polyester base coats with low grams
- Sanding of water based first coat

Semistiff contact insert

- Sanding of veneered panels with flat support and very light waviness
- Light sanding of solid wood
- Sanding of UV or polyurethane base coats with medium to high grams

available with the “b”, “c” and “c plus” versions

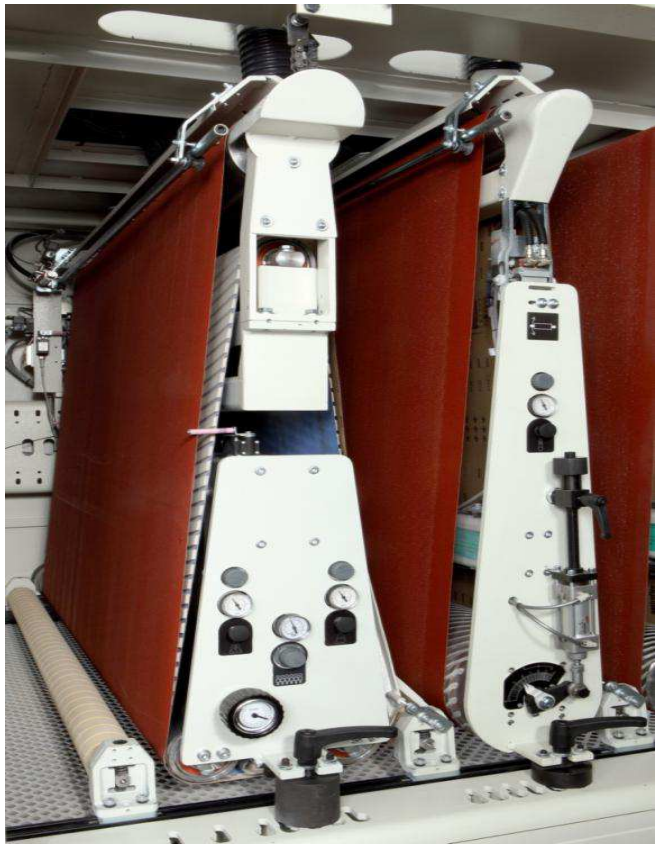
DMC SD

sd10	sd30	sd60	sd70	sd90
.	-	-	-	*opt*

dmc sd 90

Superfinishing pad unit with chevron belt

- ✓ Chevron belt size: 1370 x 2186 mm
- ✓ Automatic tracking of the abrasive belt with electronic system
- ✓ Automatic tracking of the chevron belt with electromechanical system
- ✓ Only available for “C” and “C-Plus” versions [= those with electronic sectional pad (s)]
- ✓ “S” unit can only replace “T” unit (never “CS” unit)

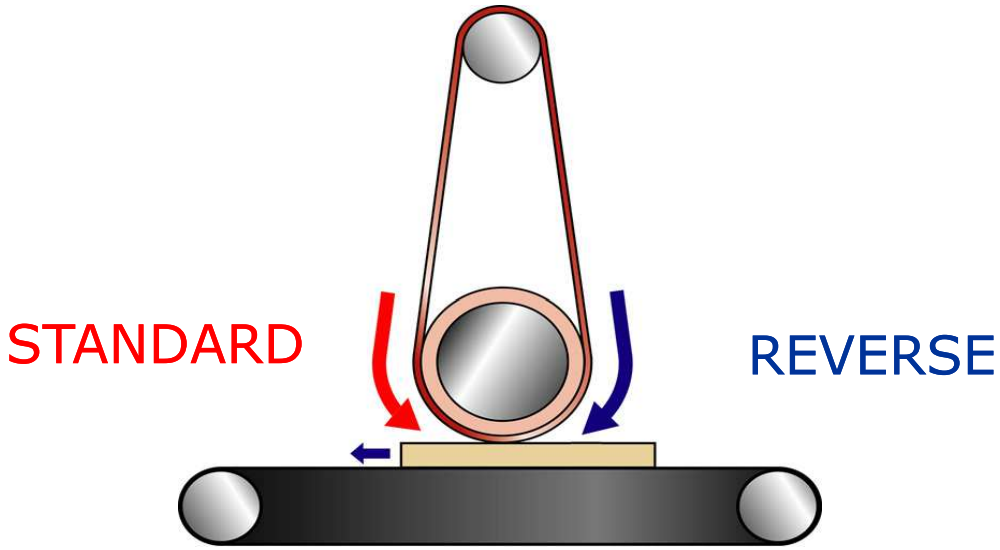


scm woodworking technology

sd10	sd30	sd60	sd70	sd90
.	-	opt	-	opt

dmc sd 90

Abrasive belt reverse rotation



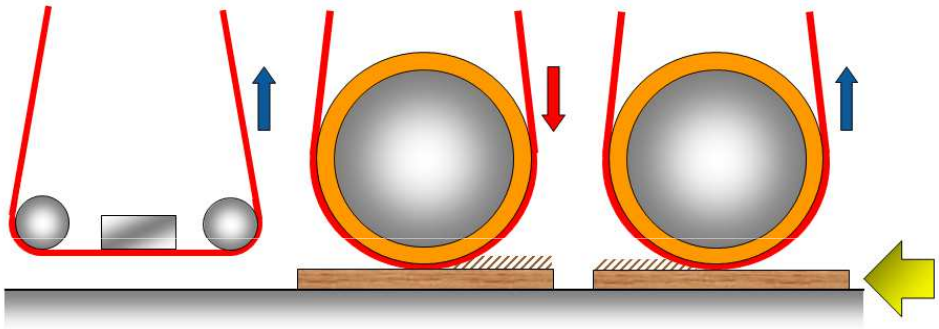
This device allows to select (through the electronic control) the direction of rotation of the abrasive belt. As a general rule, the reverse rotation makes the abrasive process less aggressive. There are many cases in which it is useful (or even necessary) to reverse the belt rotation direction.

DMC SD

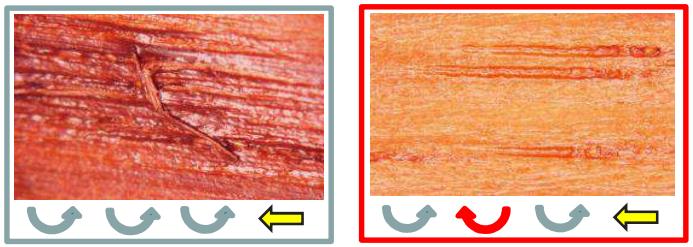
sd10	sd30	sd60	sd70	sd90
.	-	opt	-	opt

dmc sd 90

Example of a sanding process



Solid timber processing: the first roller removes material, the second (with reversed belt rotation) cuts the raised fibres, and the last unit completes the finishing process.



DMC SD

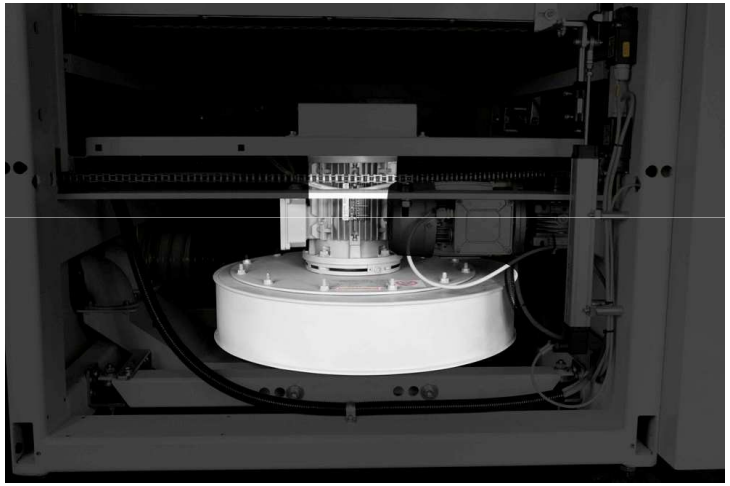
sd10	sd30	sd60	sd70	sd90
.	-	-	std	opt

technologies

Vacuum hold-down table with internal fan motor

This advanced technical solution brings several advantages:

- ✓ Lower noise
- ✓ Fan silencer is not needed



Furthermore, the lack of a bulky external fan motor (connected to the machine by means of a wide diameter hose, lying on the floor) means:

- ✓ much more space available and a higher degree of freedom of movement for the operator
- ✓ No risk to accidentally damage the external fan motor

NOTE: the fan motor size is always 4 kW (@ 50 Hz), for any machine versions

DMC SD

technologies

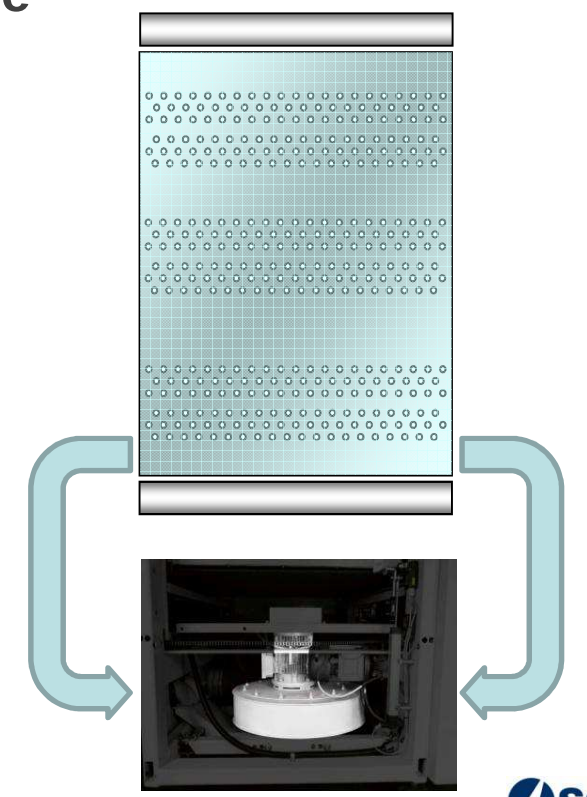
sd10	sd30	sd60	sd70	sd90
.	-	-	-	*opt*

Vacuum hold-down table with internal fan motor

The electric fan is directly connected to both side of work table and not only to one point.

Advantages:

- Holding small and slippery pieces is more effective
- More uniform vacuum effect, compared to systems where the air is sucked by just one end of the table
- Possibility to use smaller fan motors, reducing power consumption and noise



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DMC SD

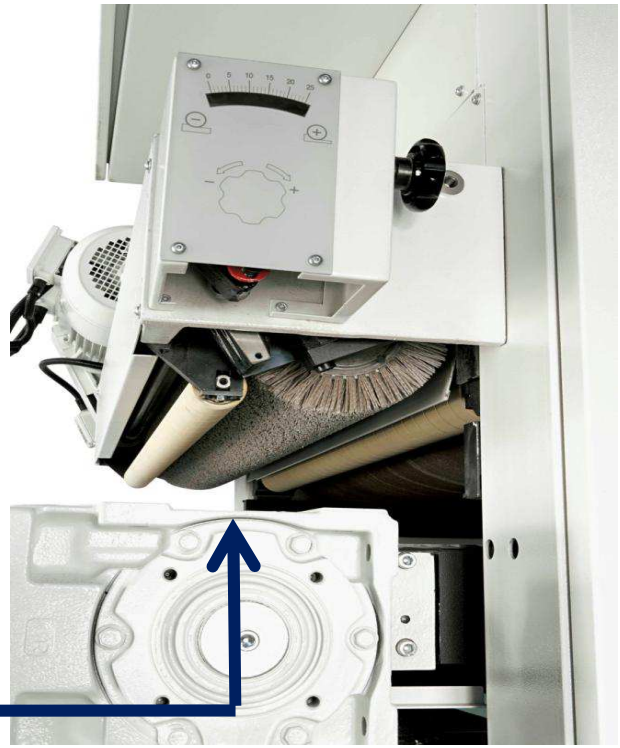
technologies

sd10	sd30	sd60	sd70	sd90
.	-	opt	opt	opt

Structuring unit

The wood grain evidencing is carried out by using a roller-brush with stiff and strong filaments (i.e. in steel, bronze or tynex) capable to "groove" in depth only the softer grain of the panel surface, leaving unchanged the other ones

The unit is equipped with a practical system for the working position adjustment and visualization



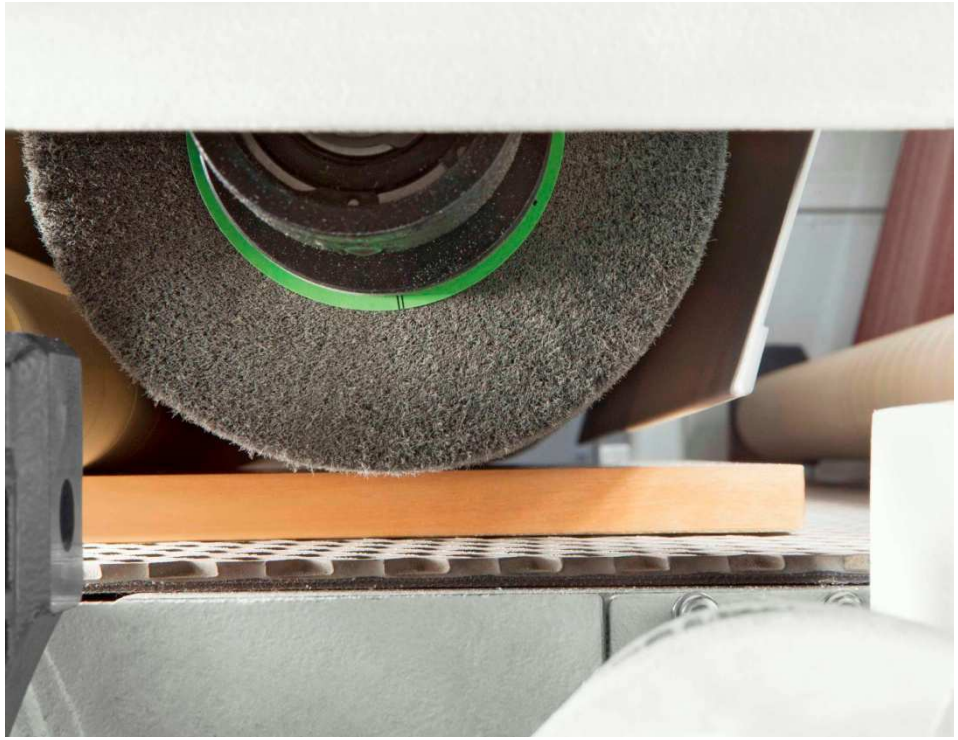
DMC SD

sd10	sd30	sd60	sd70	sd90
.	-	opt	opt	opt

technologies

Buffing unit

Usually the buffing follows the sanding of workpieces coated with transparent (non-pigmented) coating, and is designed to better prepare the surface to receive the subsequent finish coat. The main purpose of buffing is to smooth the surface finish by eliminating (or masking) the marks left by the previous sanding operation performed by the sanding belt.



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woodworking technology

DMC SD

sd10	sd30	sd60	sd70	sd90
.	opt	opt	opt	opt

technologies

“logic sc” electronic control

Logic SC is the electronic control which provides all machine functions and can save the 4 most frequently used working programs

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



DMC SD

sd10	sd30	sd60	sd70	sd90
.	-	-	-	*opt*

technologies

Feed belt driving roller

The rubber coating assures great adherence of the feed mat to the powered driving roller: it is necessary to avoid any slipping when the feed system is submitted to a consistent working load. This happens when large dimension panels have to be calibrated/sanded, especially with machines equipped with vacuum working table and/or with high feed speeds (It is an optional).



DMC SD

technologies

sd10	sd30	sd60	sd70	sd90
.	-	opt	opt	opt

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.

scm
woodworking technology

DMC SD

technologies

sd10	sd30	sd60	sd70	sd90
.	-	opt	opt	opt

“Pro-Sand” electronic control



‘’Pro-Sand” 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



Hoofdzetel - Siège principal

Henri Lebbestraat 150
8790 Waregem

Filiaal - Succursale

Dikberd 46
2200 Herentals





Filiaal - Succursale

Route de Wasseiges 296
5022 Namur

