

<b>Machine Model:</b>	SCM DMC90 XRT 135	<b>Origin:</b>	ITALY
<b>Description:</b>	Automatic Wide Belt Sanding Machine		



## MAIN ADVANTAGES



**2.620 MM ABRASIVE BELT DEVELOPMENT FOR GREATER FINISHING AND PRODUCTIVITY**



**PHOTOCELL WITH "BACKGROUND SUPPRESSION" SYSTEM TO GRANT ALWAYS THE EXACT CENTERING OF THE ABRASIVE BELT**

**INTERNAL CROSSBELT UNIT****TECHNICAL DATA**

Working width	mm	1.350
Min/max. working thickness	mm	4-170
Sanding belt width	mm	1.370
Sanding belt length	mm	2.620
Cross sanding belt width	mm	150
Cross sanding belt length	mm	5000
1st unit motor power (driven by inverter)	kW (HP)	15 (20)
2nd/3rd unit motor power	kW (HP)	11 (15)
Feed belt motor power	kW (HP)	0,6/1,3 (1,8/1,7)
Feed speed	m/min	4,5/9

**GENERAL FEATURES:****Base and working table**

- \* steel structure with electric cabinet on the machine front
- \* sanding belts introduction from the machine left side
- \* powered adjustment of worktable thickness
- \* main motors positioned inside the base

**Electrical equipment**

- \* "Pro-sand" electronic control
- \* automatic star-delta start of the main motor
- \* overload protections on the motors
- \* IP54 motors protection

**Emergency and safety devices**

- \* automatic brake for rapid shutdown of the operating group
- \* hand-safety emergency device in the infeed panel area
- \* front and rear emergency pushbutton
- \* padlockable main switch
- \* safety micro for overthickness
- \* automatic emergency stop machine for:



- sanding belt breaking
- not-tensioned sanding belt
- lateral outplacement of sanding belt
- absence of compressed air
- overload on main motor

N.B. The machine with standard configuration is supplied with 400 Volt 50 Hz and 3-phase version + neutral + earth.

When the 400 voltage supply has not the neutral phase, it is necessary to select the single-phase transformer, foreseen on the price list.

The same transformer has to be selected also when the machine is supplied with voltages higher than 400 volt, independently from the neutral phase presence.

The machine supply with 220 or 230 voltages (50 or 60 Hz) is foreseen in the price list with an additional cost.

BL 32 Infeed panels reading bar for 'epics' sectional pads pitch 32 mm

## "EPICS" ELECTRONIC SECTIONAL PAD

**PE 32T 'EPICS' electronic sectional sanding pad** complete with:

- on/off pneumatic cylinder for pad unit
- Maestro active sand electronic programmer which synchronizes the anti-dubbing device with the feed speed and activates the quantity according to the geometric shape of the workpiece. It allows the selection of a higher or lower number of sections to the left, to the right or on both sides of the piece.
- working pressure adjustment
- 32mm center-to-center distance of sectors;
- Double action pneumatic cylinders with adjustable push/counter push;
- Graphite cloth with quick extraction device;
- Total management of its functionality by Maestro active sand electronic control.

All sectional and electronic pads of the longitudinal sanding units are also equipped as standard with no.2 contact inserts as follows:

\* flat semi-stiff contact insert made of steel flexible plate 0,6 mm thickness + felt D=0,68 and extractable graphite cloth. It is suitable for the sanding of solid wood or veneered panels.

\* soft semi-sandwich contact insert made of flexible steel plate, 0,3 mm thickness + rubber + felt D=0,68 extractable graphite cloth. It is suitable for the sanding of veneered and/or painted panels.

N.B. - With these devices the stiff and the semi-stiff pads are not available

## eye-S mini ELECTRONIC CONTROL

for machines equipped with electronic sectional pad and PLC terminal with 10" LCD colour display and touch-screen function.

Machine control features:

- graphic representation of the machine
- machine control from touch-screen in manual mode or by means of 120 working programs configurable by the operator
- total control of the electronic sectional pad with activation, exclusion and selection of the pad. Pre-selection and activation of the + or - sectors function on the left/right panel side
- working thickness control
- feed belt speed control with inverter
- abrasive belt speed control adjusted by inverter

- sequential automatic start-up of main motors and two or three speed motors control
- control of on/off positioning when working or electronic timed intervention of the roller or pad groups (if equipped with on/off pneumatic selector)
- blowers timing control for belts cleaning and for rotating blowers of outfeed panel cleaning
- control of the slotted panels program
- machine report (working and stand-by hours)
- machine damage alarms control and breakage self-diagnose on the electronic cards

**Standard features**

- BL 32 Infeed panels reading bar for 'epics' sectional pads pitch 32 mm
- Not extractable internal crossbelt unit complete with:
  - PE 32T 'EPICS' electronic sectional sanding pad
  - Linear blower with timed intervention for the sanding belt cleaning;
  - Automatic brake;
  - Sanding belt dimensions mm 150 x 5000;
- Chevron belt dimensions mm 140 x 4710.
- R175/45 45Sh rubber-coated sanding roller, 175mm diameter, in 2nd position
- Pad unit in 3<sup>rd</sup> position complete of:
  - PE 32T 'EPICS' electronic sectional sanding pad
- Motor 1st unit driven by 15 kW (20 Hp) inverter
- 11 kW (15 Hp) motor 2nd and 3rd unit
- Electronic ammeter on main motor for readout of absorbed power
- Electronic readout of working thickness
- Electronic oscillating of sanding belts
- Rubber-coated pressure rollers
- Infeed anti-kickback vertically pivoted roller on 1st operating group
- 60 Sh rubber feed belt
- Infeed/outfeed workpieces support rollers with two rollers
- Feed belt speed with 2-speeds variable feed motor ( 4,5 / 9 m/min)
- Automatic device for feed belt tracking and tensioning
- 10" eye-S mini electronic control panel

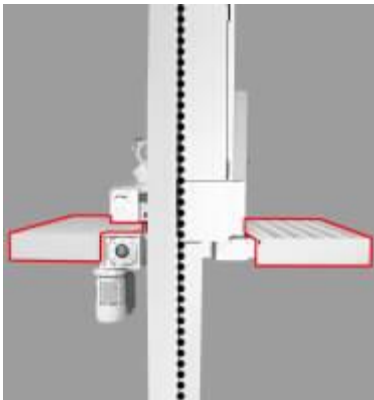
**Production code: DMC90 XRT 135****10.99.99 Standard safety regulations****N. 1****R0.09.17 dmc sd 90 evo XRT composition****N. 1**

With 1<sup>st</sup> "X" group, 2<sup>nd</sup> "R" group and 3<sup>rd</sup> "T" group  
Complete with:

- on/off pneumatic selector for roller, 2<sup>nd</sup> "R" group
- on/off pneumatic selector for roller, 3<sup>rd</sup> "T" group
- BL32 Infeed panels reading bar for 'epics' sectional pads pitch 32 mm;
- "EPICS" pad on the first "X" group pad;
- "EPICS" pad on the third "T" group pad;
- Electronic positioning for working thickness.



<b>93.07.36</b>	<b>Volt 380</b>	<b>N. 1</b>
<b>93.15.01</b>	<b>Frequency 60 hz</b>	<b>N. 1</b>
<b>25.03.36</b>	<b>Rubber coated driving roller for the feed belt</b>	<b>N. 1</b>
<b>25.02.29</b>	<b>Worktable at 900 mm fixed height from floor</b> with min. and max. working thickness 4-200 mm	<b>N. 1</b>
<b>31.23.18</b>	<b>R/250 * 250 mm roller diameter – 2nd unit</b>	<b>N. 1</b>
<b>31.23.83</b>	<b>"R55" 55SH rubber-coated sanding roller - 2nd group</b>	<b>N. 1</b>
<b>25.02.45</b>	<b>Infeed and outfeed support rollers for long and short workpieces</b> The infeed support rollers is equipped with no. 5 idle rollers, the outfeed one is equipped with no. 1 powered roller and no. 4 idle rollers	<b>N. 1</b>



**25.02.46 Powered roller at work table/belt infeed N. 1**

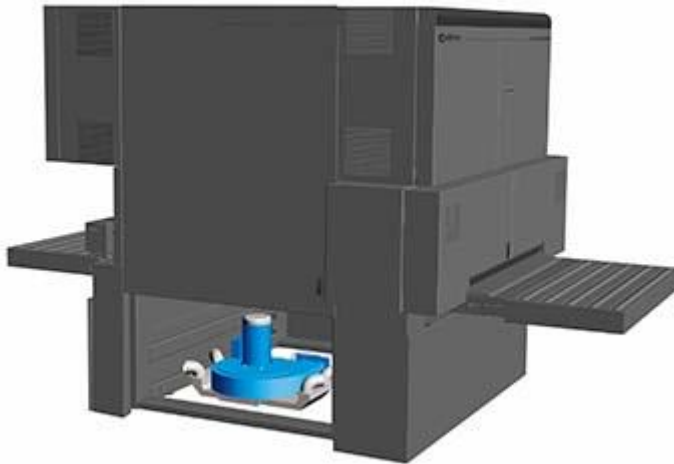
**25.02.47 Powered roller at work table/belt outfeed N. 1**

**25.02.49 50 SH rubber-coated feed belt N. 1**

**25.05.26 Working table and feed belt punched N. 1**



**25.02.53 Fan motor powered by inverter up to 4 kW ( 5,5 Hp ) N. 1**  
**integrated in the base**  
to activate the vacuum device



**25.02.60 Oscillating belt cleaning blower on the 1st group N. 1**  
The device is complete with:  
– electronic tracking  
– timer activated directly on working piece  
– exhaust hood  
– filter and pressure adjustment



### 25.02.61 Oscillating belt cleaning blower on the 2nd group

N. 1

The device is complete with:

- electronic tracking
- timer activated directly on working piece
- exhaust hood
- filter and pressure adjustment



**25.05.27 Oscillating belt cleaning blower on the 3rd group N. 1**

The device is complete with:

- electronic tracking
- timer activated directly on working piece
- exhaust hood
- filter and pressure adjustment

**25.02.64 Panel cleaning unit with rotating blowers N. 1**

The device is complete with:

- timer activated directly on working piece
- exhaust hood
- filter and pressure adjustment

**25.04.98 Inverter with 11 kW (15 Hp) motor - 2nd group N. 1**

for the adjustment and the electronic readout from control panel of the sanding belt speed from 3 to 18 m/sec.

**25.05.15 Inverter with 11 kW (15 Hp) motor - 3rd group N. 1**

for the adjustment and the electronic readout from control panel of the sanding belt speed from 3 to 18 m/sec.

**25.03.35 Inverter with 2,2 kW (3 hp) motor N. 1**

for the adjustment and the electronic readout from control panel of the feed belt speed from 3,5 to 18 m/min





**08.04.35 Pallet + nylon N. 1**

**10.99.12 English machine plate N. 1**

## Quotation summary

<b>10.99.99</b>	<b>Standard safety regulations</b>	<b>N. 1</b>
<b>R0.09.17</b>	<b>dmc sd 90 evo XRT composition</b>	<b>N. 1</b>
<b>93.07.36</b>	<b>Volt 380</b>	<b>N. 1</b>
<b>93.15.01</b>	<b>Frequency 60 hz</b>	<b>N. 1</b>
<b>25.03.36</b>	<b>Rubber coated driving roller for the feed belt</b>	<b>N. 1</b>
<b>25.02.29</b>	<b>Worktable at 900 mm fixed height from floor</b>	<b>N. 1</b>
<b>31.23.18</b>	<b>R/250 * 250 mm roller diameter – 2nd unit</b>	<b>N. 1</b>
<b>31.23.83</b>	<b>"R55" 55SH rubber-coated sanding roller - 2nd group</b>	<b>N. 1</b>
<b>25.02.45</b>	<b>Infeed and outfeed support rollers for long and short work-pieces</b>	<b>N. 1</b>
<b>25.02.46</b>	<b>Powered roller at work table/belt infeed</b>	<b>N. 1</b>
<b>25.02.47</b>	<b>Powered roller at work table/belt outfeed</b>	<b>N. 1</b>
<b>25.02.49</b>	<b>50 SH rubber-coated feed belt</b>	<b>N. 1</b>
<b>25.05.26</b>	<b>Working table and feed belt punched</b>	<b>N. 1</b>
<b>25.02.53</b>	<b>Fan motor powered by inverter up to 4 kW ( 5,5 Hp ) integrated in the base</b>	<b>N. 1</b>
<b>25.02.60</b>	<b>Oscillating belt cleaning blower on the 1st group</b>	<b>N. 1</b>
<b>25.02.61</b>	<b>Oscillating belt cleaning blower on the 2nd group</b>	<b>N. 1</b>
<b>25.05.27</b>	<b>Oscillating belt cleaning blower on the 3rd group</b>	<b>N. 1</b>
<b>25.02.64</b>	<b>Panel cleaning unit with rotating blowers</b>	<b>N. 1</b>



<b>25.04.98</b>	<b>Inverter with 11 kW (15 Hp) motor - 2nd group</b>	<b>N. 1</b>
<b>25.05.15</b>	<b>Inverter with 11 kW (15 Hp) motor - 3rd group</b>	<b>N. 1</b>
<b>25.03.35</b>	<b>Inverter with 2,2 kW (3 hp) motor</b>	<b>N. 1</b>
<b>08.04.35</b>	<b>Pallet + nylon</b>	<b>N. 1</b>
<b>10.99.12</b>	<b>English machine plate</b>	<b>N. 1</b>