

## **AUTOMATIC WIDE BELT SANDER**

### **dmc eurosystem**



#### **MAIN TECHNICAL FEATURES**

Working width 1.350 mm

Base structure for longitudinal operating units with belts length 2.620 mm

Control panel on the machine

Belts feeding on the left side of the machine

Belt feed speed 2 to 16 m/min

Rear speed rubber-coated roller

Automatic device for conveyor belt centering

Rubber coated pressure rollers infeeding/outfeeding the working units

Supporting roller table consisting of 2 rollers infeeding and outfeeding the working unit

PLC "X20" for the complete management of every machine function

### **PRO-SAND electronic control**

PLC terminal with LCD colour display **10,4"**

Graphic representation of the machine configuration

Machine control from **touch screen**, in manual mode or by means of 120

Working programs configurable by the operator

Insertion/disconnection in working position and timing of the roller and pad groups

Total control of the "EPICS" electronic sectional pads with activation, exclusion and selection of the pad. Pre-selection and activation of the + or - sectors

Function on the left/right panel side

Control of the following functions:

- \* belt feed speed

- \* working thickness

- \* speed and rotation direction of the sanding belt

Sequential automatic start-up of main motors

Blowers timing control for belts cleaning and for rotating blowers

Control of the slotted panel program

Machine report (working and stand-by hours)

Machine damage alarms control and breakage self-diagnose on the electronic cards

Modular hardware structure for the management of the machine functions from "PRO-SAND" control



### **SAFETY DEVICES/EMERGENCY DEVICES**

"Hand-safety" emergency device in the infeed area

Front and rear emergency push button

Padlockable main switch

Automatic emergency stop for, not tensioned, lateral mistracking abrasive belt

Emergency stop for lack or interruption of compressed air

Electric probes for brakes wear control

Magneto thermal protections on the motors

Micro to detect panel feeding

Safety Micro for overthickness

Infeed grooved rubber coated pressure roller equipped with "anti-kickback" safety device

Machine execution according to C.E. Norms

*\* The technical specifications can vary based on the composition selected. For illustrative purposes certain photos show machines complete with accessories.*



**Codice produttivo: DMC ES M2 1350**

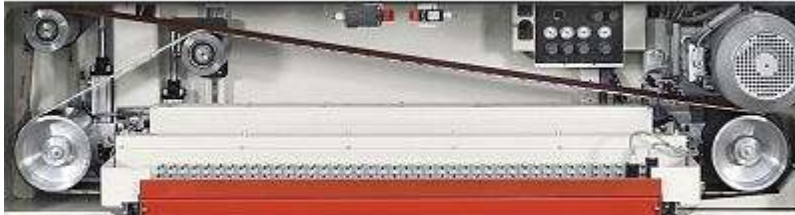
<b>109936</b>	<b>C.E. EUROPEAN SAFETY EXECUTION</b>	<b>N. 1</b>
<b>R51271</b>	<b>dmc eurosystem M2 1350</b>	<b>N. 1</b>
<b>051275</b>	<b>PF200 Lifting unit for fixed working table at 900 mm from N. 1 ground</b> * Working thickness 3 to 200 mm	
<b>500296</b>	<b>BL 32 Infeed panels reading bar for 'epics' sectioned pads pitch N. 1 32 mm</b>	
<b>930731</b>	<b>Volt 400 EU</b>	<b>N. 1</b>
<b>931201</b>	<b>Frequency 50 Hz</b>	<b>N. 1</b>
<b>G60001</b>	<b>P.C. LANGUAGE ENGLISH</b>	<b>N. 1</b>

**EUROGE INFEEEDING WORKING UNITS**

**051277 TA-5000 Front cross pad unit N. 1**

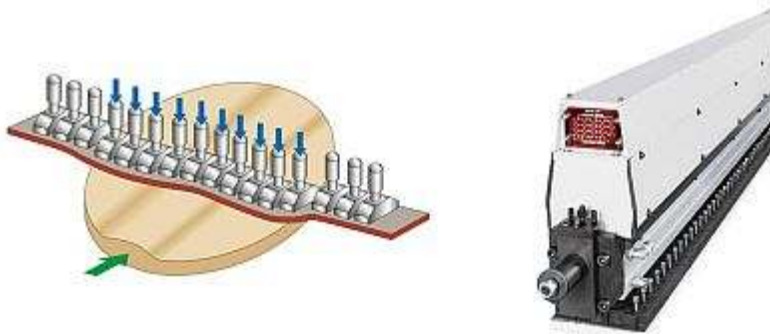
Complete with:

- 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



**250076 PE 32T 'EPICS' sectioned electronic sanding pad N. 1**

- \* 32 mm 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 “Pro-Sand” electronic control.



**940024 Working pressure control of sectioned pad by Pro-Sand control N. 1 system**

**470074 Motorized rotating blower N. 1**

**970564 Motor driven by inverter, power up to 15 kW N. 1**

**EUROPI FIRST POSITION**

**051255 KRP 150-2620 Combined working unit for roller diameter 150 N. 1 mm and sanding pad**

- \* Sanding belt rotation against the conveyor feed direction
- \* Pneumatic On/off for the roller working positioning
- \* Roller position adjustment complete with digital readout
- \* Electronic sanding belt swing control
- \* Automatic brake
- \* Sanding belt dimensions           mm 1370 x 2620

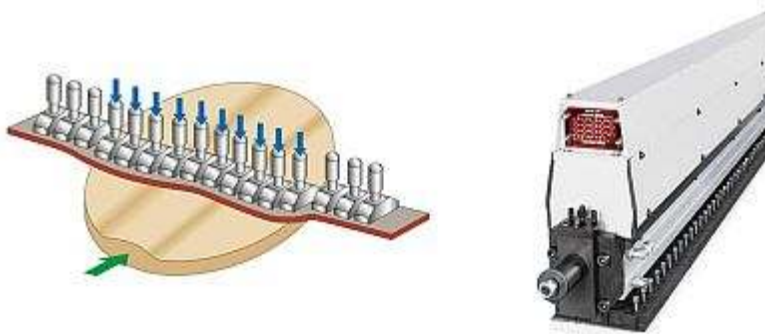


**310335 R85-150 roller with 85 Sh rubber coating**

**N. 1**

**250070 PE 32/L 'EPICS' sectioned electronic sanding pad pitch 32 mm N. 1**

- \* 32 mm 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 “Pro-Sand” electronic control”



**940025 Working pressure control of sectioned pad by Pro-Sand control N. 1 system**

**470075 Timed oscillating cleaning blower N. 1**



**970581 18,5 kW motor driven by inverter N. 1**

**EUROP2 SECOND POSITION**

**051257 S-2620 Operating unit for superfinishing pad N. 1**

complete with:

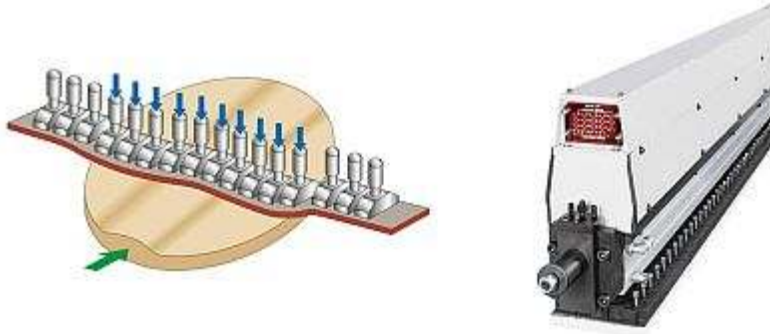
- Sanding belt rotation against the conveyor feed direction
- Electronic sanding belt swing control
- Automatic brake
- Chevron belt dimensions mm 1370 x 2186
- Sanding belt dimensions mm 1370 x 2620





**250070 PE 32/L 'EPICS' sectioned electronic sanding pad pitch 32 mm N. 1**

- \* 32 mm 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 "Pro-Sand" electronic control"



**940025 Working pressure control of sectioned pad by Pro-Sand control N. 1 system**

**470075 Timed oscillating cleaning blower**

**N. 1**



**970580 15 kW motor driven by inverter**

**N. 1**

**EUROGU OUTFEEDING WORKING POSITION**

**051259 SB/U Oscillating working unit for abrasive cloth coated roller N. 1 diameter 200 mm**

- \* 200 mm brush diameter
- \* 2,2 kW (3 HP) main motor
- \* exhaust hood
- \* roller position adjustment
- \* outfeed rubber-coated pressure roller



**310350 SB 200 UFC Abrasive cloth coated roller diameter 200 mm ' Ultra N. 1 Fine' type with silicon carbide fibers**

**051261 srp/u Timed oscillating cleaning blowers unit**

**N. 1**



**220109 Punched work-top and conveyor belt preset for vacuum device N. 1 (for 2 internal working stations)**



**220112 Vacuum motor powered by inverter up to 4 kW integrated in the N. 1 machine frame**  
*Vacuum management by inverter*



**220116 Rubber coated belt conveyor 50 Sh** **N. 1**

**220117 Front supporting worktop equipped with five idle rollers** **N. 1**



**220118 Rear supporting worktop equipped with five idle rollers** **N. 1**

**410031 3 kW feed belt motor driven by inverter** **N. 1**

**360041 Control panel on swinging hanging unit** **N. 1**

**080475 Pallet and nylon (machine with 2 internal working stations)** **N. 1**

**109991 Machine language: ENGLISH** **N. 1**

## OPTIONAL - INCLUDED

- 360043 Vision panel door positioned on the service side for machine N. 1 equipped with 2 working units**
- 360046 Internal LED lighting** **N. 1**

## SUGGESTED OPTIONAL DEVICES – NOT INCLUDED

**310799 Sanding belt optimiser: LED indicator for panel introduction - N. 1 Evolute**

Device which optimises the wear of the sanding belts.

The sequential start of the signalling LED's positioned above the "hand-safety" device allows the operator the optimal position when introducing the work pieces (according to the historical data of the width and introducing of pieces).

The sequential start-up is activated by the detecting workpiece microswitch positioned at the belt infeed.

**360071 Console with integrated PC "eye-M" and "Maestro Pro-N. 1 Sand" electronic control with Tele Service system**

Device connected to the machine which allows the usage of the "Maestro Pro-Sand" software.

The integrated LED light bar allows the operator to check in real time the state of the machine (emergency, operative, etc.) without the need to be on the console itself.

It is equipped with an industrial PC with "fanless" construction and IP53 grade protection (IP65 on the front side). This robust solution grants the highest durability even in the worst environmental conditions which an industrial site may present.

The 21,5" LCD color display through a 16/9 sized touch screen grants an unbeatable easiness and efficiency in controlling the main functions of the machine, also through:

- \* Full HD display resolution 1920x1080
- \* LED background lighting
- \* Capacitive multi-touch screen – 10 points of contact
- \* Wide visual angle (176° Horizontal / 160° Vertical)
- \* "Zero Pixel Defect" quality

And furthermore:

- Intel Pentium – 2,9 Ghz
- RAM 8GB – DDR4
- Hard disk: 256GB SSD
- O.S. Windows 10 IO
- QWERTY keyboard with English layout
- Wired mouse
- Ethernet port RJ45
- 1 USB port: 3.0 protocol supported

- Nominal operating temperature: +5°C to +35°C

Additional features and functionality available on the "Maestro Pro-Sand" electronic control:

- 1999 working programs
- Virtual keyboard for fast settings of the machine
- Production report
- Interactive Trouble-shooting program and self-diagnosis of the electronic cards
- Display of electric and pneumatic diagrams
- Display of user manual, spare parts catalogue, electric and pneumatic diagrams

#### Tele Service

It allows the connection of the machine supervisor PC to the SCM service via Internet:

Hardware equipment: card/network interface

Software equipment: linking program allowing:

- View of operator interface;
- Signal diagnostic;
- On-line checking and editing of the configuration, parameter and program status of the machine;
- Data back up and file transfer;
- Upgrade of the machine logic and operator interface.
- Free service for the life of the warranty

The Buyer shall prepare Internet access on the PC machine.

