



M CONCEPT Sp. z o. o.

QUOTATION

AA-011856 - 17/06/2021



is more

ABOUT US

Scm Group is industry leader for the production of industrial woodworking machinery, as well as for machinery that processes advanced materials, with brands specialising in specific technologies, present across 5 continents for over 65 years.

65 years history

3 main production sites in Italy

300.000 square metres of production space

17.000 machines manufactured per year

90% export

20 foreign branches

350 agents and dealers

500 support technicians

500 registered patents

THE MOST IMPRESSIVE DISTRIBUTION NETWORK IN THE WORLD



M CONCEPT Sp. z o. o.
ul. Góreczewska 222
Warszawa
01-113
Polonia

Quotation: AA-011856

Date: 17/06/2021

Customer: M CONCEPT Sp. z o. o.

Object:

With reference to your kind request please find here attached our best Offer for the machines of your interest.

...

*We remain at your disposal for any information you may need.
Looking forward to hearing from you, we remain.*

Best regards

MACIEJ KULA
PRODUCT AREA MANAGER LOCAL
+48 61 6514 780
maciej.kula@scmgroup.com

AUTOMATIC CALIBRATING, SANDING MACHINE

dmc system



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

Belt conveyor automatic centering by sliding roller

Rubber coated pressure rollers infeeding/outfeeding the working units

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 broken, not tensioned, lateral mistracking abrasive belt

Emergency stop for lack or interruption of compressed air

Electronic warning signal for the lateral mistracking conveyor belt

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

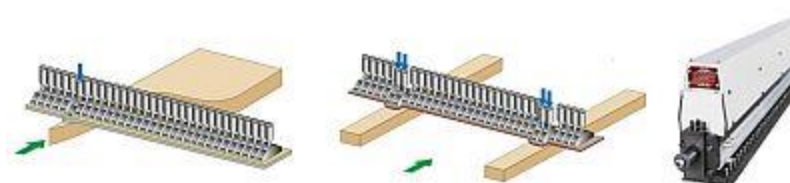
The technical specifications can vary based on the composition selected. For illustrative purposes certain photos show machines complete with accessories.

Codice produttivo: DMC SY TC 1350		
109936	C.E. EUROPEAN SAFETY EXECUTION	N. 1
930731	Volt 400 EU	N. 1
931201	Frequency 50 Hz	N. 1
G60001	P.C. LANGUAGE ENGLISH	N. 1
R50042	dmc system T5C 1350 Main frame for 5 internal working stations	N. 1
050044	PF170-4M Lifting unit for fixed working table 900 mm from ground <i>* Working thickness 3 to 170 mm</i>	N. 1
500258	BL 16 Infeed panels reading bar for 'epics' sectioned pads pitch 16 mm or with PWM3	N. 1
SY1301	POSITION 01	
051358	TIE-5000 Working unit for extractable internal cross pad * Lateral extraction system of the unit for the sanding belt replacement by one machine operator only. * Automatic brake * Linear blower with timed intervention for the sanding belt cleaning * Sanding belt dimensions mm 150 x 5000 * Chevron belt dimensions mm 140 x 4710	N. 1



250036 PE 16T 'EPICS' sectioned electronic sanding pad pitch 16 mm N. 1

- * 16 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.



940008 Working pressure control of sectioned pad by Pro-Sand control system N. 1

470096 Motorized rotating blower N. 1

970635 Motor driven by inverter, power up to 15 kW N. 1

SY1302 POSITION 02

050194 DO 19 Orbiting unit fitted for 19 rotating disc brushes N. 1

- * Manual adjustment of the unit working position
- * 1,1 kW main motor driven by inverter
- * Independent motor for the orbiting movement control
- * Rotating disc diameter mm 125



310136	FT/19/125 Set of 19 rotating discs diameter 125 mm	N. 1
310137	228/FT/AT Set of abrasive strips with fibre support to equip 19 discs 'FT'	N. 1
960005	Electronic Auto-set of the unit	N. 1
970039	Sliding movement with motor driven by inverter	N. 1
SY1303	POSITION 03	
050196	BF 300 Working unit for brush roller diameter 300 mm	N. 1
	* Manual adjustment of the roller working position	
	* 4 kW main motor driven by inverter	



310063	FT 300 Brush roller diameter 300 mm	N. 1
310160	18/FT/T Set of strips with additional support for raw materials to equip 'FT' brush roller	N. 1
310391	36/FT/ATA - 220 and 240 - Set of double-face abrasive strips with fibre support to equip 'FT' brush roller for raw and painted materials processing Abrasive inserts grit 220 and 240	N. 1
900298	Double rotating direction of the brushing roller	N. 1
960007	Electronic auto-set of the brush roller	N. 1
960008	Side oscillation of the brush roller	N. 1
SY1304	POSITION 04	
050196	BF 300 Working unit for brush roller diameter 300 mm * Manual adjustment of the roller working position * 4 kW main motor driven by inverter	N. 1

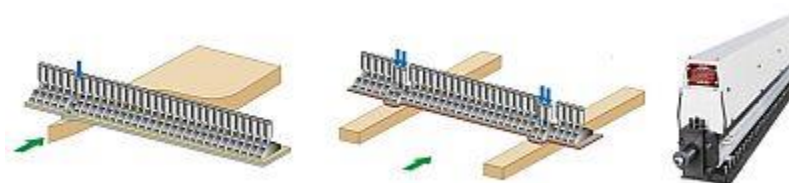


310063	FT 300 Brush roller diameter 300 mm	N. 1
310160	18/FT/T Set of strips with additional support for raw materials to equip 'FT' brush roller	N. 1
310434	36/FT/ATA - 220 and 280 - Set of double-face abrasive strips with fibre support to equip 'FT' brush roller for raw and painted materials processing Abrasive inserts grit 220 and 280	N. 1
900298	Double rotating direction of the brushing roller	N. 1
960007	Electronic auto-set of the brush roller	N. 1
960008	Side oscillation of the brush roller	N. 1
SY1305	PèOSITION 05	
050186	SC-2620 Operating unit for superfinishing pad * Sanding belt rotation against the conveyor feed direction * Electronic sanding belt swing control * Disc brake * Chevron belt dimensions: mm 1370 x 2186 * Sanding belt dimensions mm 1370 x 2620	N. 1



250044 PE 16/C 'EPICS' sectioned electronic sanding pad pitch 16 mm N. 1

- * 16 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.



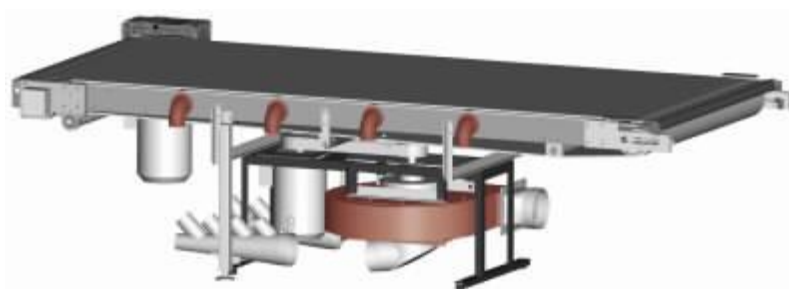
940009 Working pressure management of sectioned pad by Pro-Sand control system N. 1

470002 Timed oscillating clearing blowers N. 1



970020	15 kW motor driven by inverter	N. 1
SY13PU	GRUPPI IN USCITA	
051307	SB/U 200 Outfeeding working unit for abrasive cloth coated rollers diameter 200 mm * Roller rotation against the conveyor feed direction * Manual adjustment of the roller working position.	N. 1
310082	SB 200 UFC Abrasive cloth coated roller diameter 200 mm ' Ultra Fine' type with silicon carbide fibers	N. 1
970055	2,2 kW motor	N. 1
960008	Side oscillation of the brush roller	N. 1
051467	srp Gruppo soffiatori rotativi temporizzati per pulizia pezzi in uscita al gruppo spazzola	N. 1
SYALDI	OTHER DEVICES	N. 1
220018	Punched work-top and conveyor belt preset for vacuum device (for 5 working stations)	N. 1

220028 Vacuum motor powered by inverter up to 7,5 kW integrated in the machine frame N. 1



220034 Rubber coated belt conveyor 50 Sh N. 1

220037 Front supporting worktop equipped with five idle rollers N. 1

220038 Rear supporting worktop equipped with five idle rollers N. 1

410003 4 kW feed belt motor driven by inverter N. 1

450013 In-line machine prior to and/or followed by mechanizations N. 1

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

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.



360025 Vision panel door positioned on the service side for machine equipped with 4 or 5 working units N. 1

360031 Internal LED lighting for machine equipped with 4 or 5 working units N. 1

086801	NYLON PACKING	N. 1
522641	Operating cost for additional packing	N. 1
109804	Machine language: POLISH -PL-	N. 1
SPEC99	Esecuzione speciale	
SPEC01	Esecuzione speciale 01	N. 1
Special	Bar code Reader	N. 1

Total Price netto	EUR	90.000,00
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