

dmc m950

dry deburring-finishing machine



SOLID



Struttura portante solida e robusta per
Sturdy main frame for high production
capabilities.

Up to 15 kW power for a “valid” **deburring
and satin-finishing**.

MADE IN ITALY



From our **70 years' experience** in the design
and manufacturing of machines using
flexible abrasives we have developed a new
and innovative line of dry surface processing
machines for metal.

RELIABLE



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

MODULAR



The machine is featured with modular devices that allow for very **large number of configurations**, from the most versatile and flexible to the most specialized one by type of application.

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.

TECHNOLOGICAL



dmc m950, with its advanced technology, comes to the market as **a state-of-the-art dry deburring and satin-finishing** process solution for diversified production performance.

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SOFTWARE

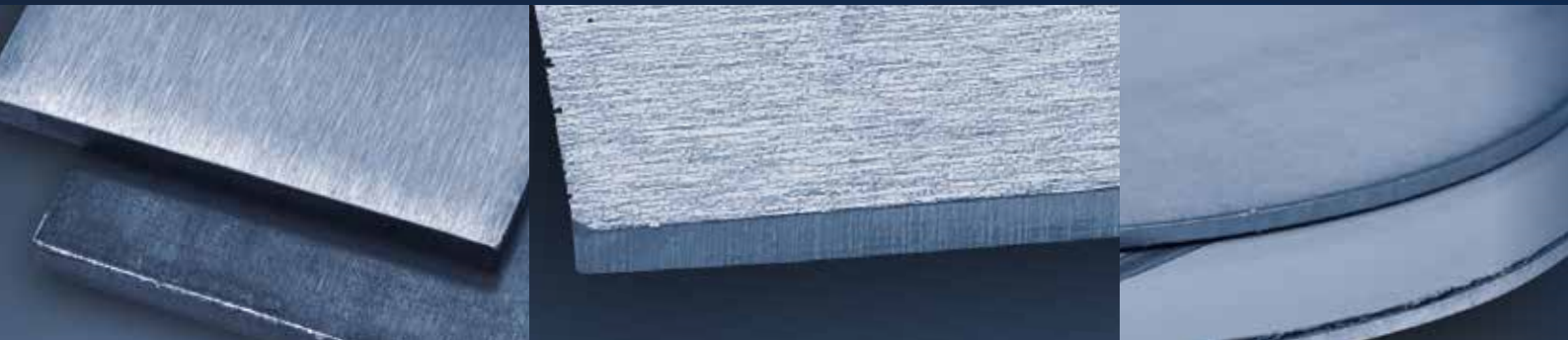
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TECHNICAL DATA

APPLICATIONS



furniture | electronics



light metal structured work | deburring and edge rounding



Genial.

Reliable.

Efficient.

Adaptable.

Technological solutions.

GREAT machines for metal processing.

Dry deburring-finishing machine

TECHNOLOGICAL BENEFITS

TECHNOLOGICAL ADVANTAGES

DRY DEBURRING - FINISHING MACHINE

dmc m950 is the compact deburring-finishing machine designed to meet a variety of production requirements for diversified machining. The machine allows to better satisfy all dry deburring and satinising requirements of metallic surfaces thanks to the several customising machine configurations and the technical features of the working units.

KEY BENEFITS

- + **“On fly” abrasive belt centering:** the oscillating system for the belt tensioner roller works with an extremely precise and reactive “background suppression”.
- + **5 seconds to replace a vertical brush:** the “Quick lock” conical couplings allow you to quickly set up the machine for any type of application, while ensuring maximum locking safety.
- + **Belts with 2620 mm length for longer lifetime:** longer abrasive belts improve the cooling of the abrasive grains, thus facilitating the detachment of the processing.
- + **Simple and safe to use for every application:** the complete range of devices and advanced technological solutions allow to satisfy the different production needs for small batches, such as deburring, oxide removal from edges and surface finishing.



GRUPPI OPERATORI

R – CONTACT ROLLER UNIT

The machine is available with “R” contact roller with large diameter (220 mm) in all working positions, to ensure a perfect deburring or finishing task:

- Oil and heat resistant rubber coated roller (with hardness ratings from 20 to 90 Sh);
- Wide possibility of vertical adjustment of the roller to equip the unit with very thick abrasive cloth belts;
- Pneumatic ON/OFF to control work positioning;
- Oscillating cleaning blowers for the abrasive belt (option);
- Electronic grit set for automatic positioning.



MOTOR INVERTER

Motors are controlled by inverters for both contact roller units and oscillating discs to adjust the working speed to suit the application and specifications of the material being processed. The working parameters can be saved on in the machine display and can be easily recalled for a rapid set-up of the machine.





DT – OSCILLATING UNIT WITH VERTICAL DISC BRUSHES

The versatility of the “DT” unit allows a wide range of applications depending on the type of abrasive tool used (steel wires, nylon wires, abrasive cloth strips supported by abrasive pad inserts, abrasive cloths and others) according to the technical features of the materials to be processed and the desired machining results. The oscillating movement, combined with the main motor high power controlled by inverter, allows to reach all the surfaces to be processed, even the most difficult points as in case of complex cuts, slots and holes in order to ensure a high finish on the workpiece.

According to the tool used, you have the possibility to obtain:

- Smoothing and rounding of sharp edges;
- Removal of burrs from holes;
- Removal of oxide from thermal cut edges.



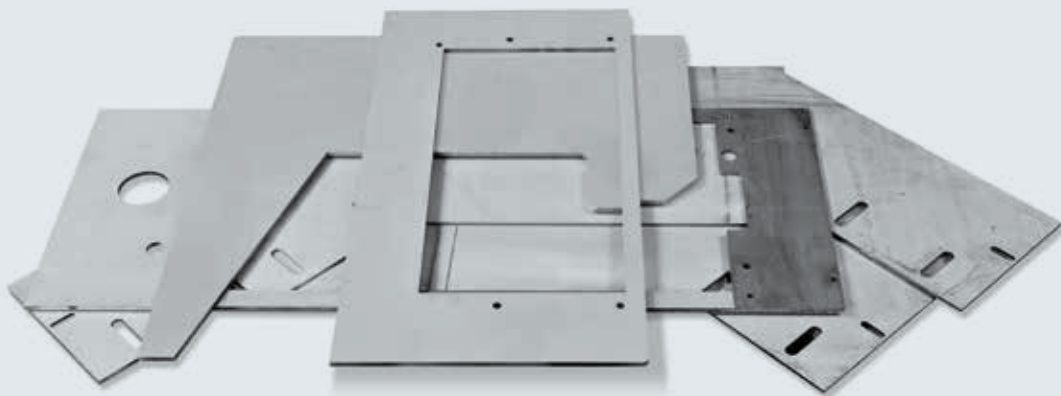
STANDARD DEVICES

The complete range of working units along with advanced technological solutions make the dmc m950 machine extremely safe and simple to use. In a single pass through the machine, you have the possibility to:

- Remove burrs from cutting;
- Efficiently remove sharp edges while creating a radius;
- Smooth and radius the edges of holes, even of a small diameter;
- Efficiently remove oxide generated from thermal cutting, whether on the external perimeter of a piece or from within a hole;
- Achieve different finishing effects.

INFEED AND OUTFEED ROLLER CONVEYOR

Consisting of idle rollers made from cold drawn steel bars and drawn near each other, is oil corrosion resistant and can handle heavy workpiece loads





OPTIONS



OUTFEED BRUSH UNIT

External unit with abrasive cloth brush roller, oscillating transversally with respect to the direction of travel of the conveyor.

The oscillating movement of the roller gives a **more even and consistent finish**:

- synchronised rotation between the roller and direction of the conveyor belt
- manual adjustment of the roller's working position

PIECE CLEANING BLOWER

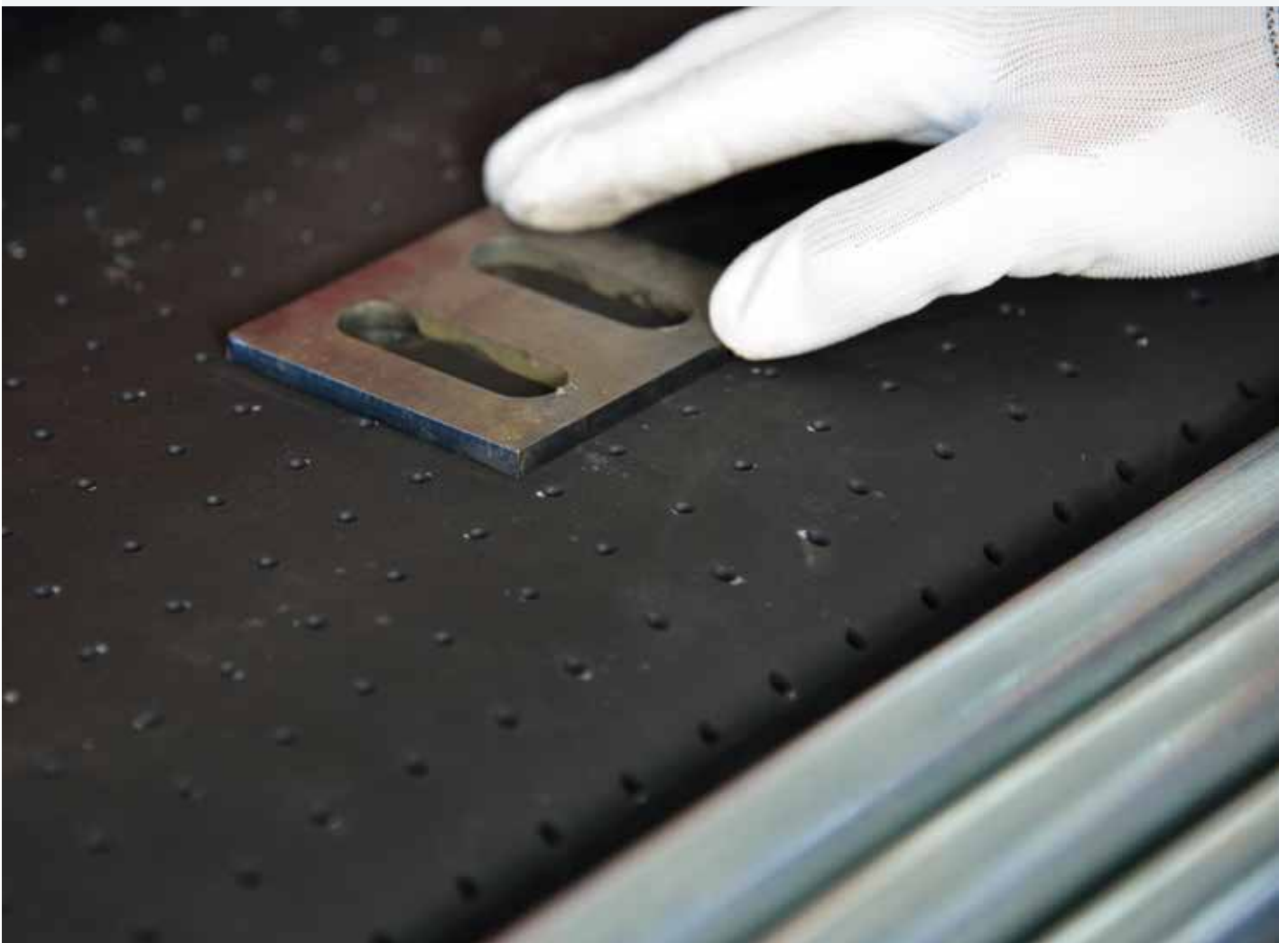
Rotating blower unit on a timer for **an excellent surface cleaning of the machined pieces leaving the machine**. Unit activation is done directly from the control and touch panel and can be saved together with the other machining parameters.

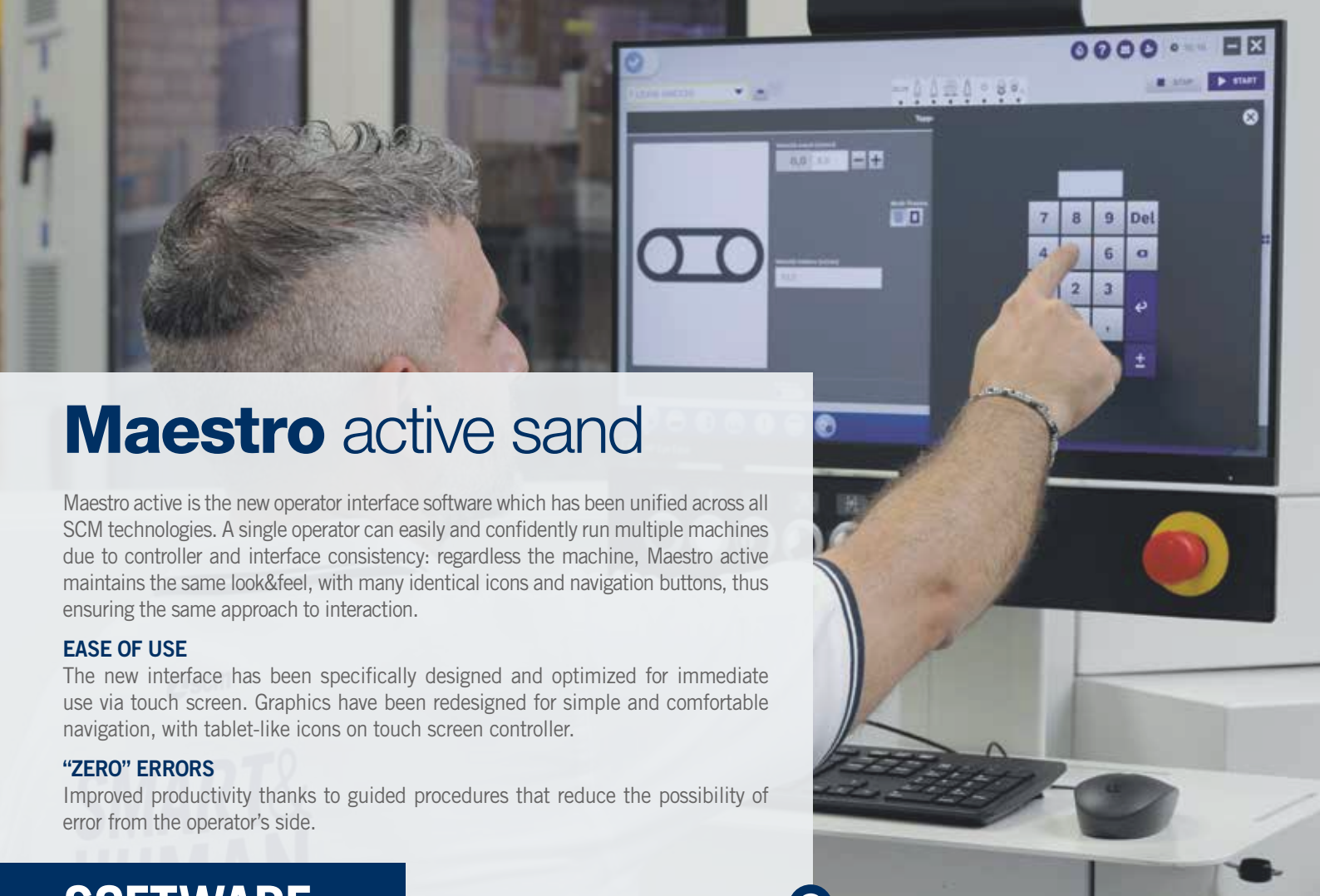


Consistently uniform finishes thanks to the **high torsional rigidity of the closed-ring structure**, which absorbs motor vibrations and ensures constant parallelism of the operating units over time. Solid bases, guaranteed by SCM's excellence in sheet-metal processing.

HIGH GRIP RUBBER MAT

The natural rubber mat with flat profile and **high adhesion effect**, together with the vacuum of the worktable, allows the processing of small and thin workpieces.





Maestro active sand

Maestro active is the new operator interface software which has been unified across all SCM technologies. A single operator can easily and confidently run multiple machines due to controller and interface consistency: regardless the machine, Maestro active maintains the same look&feel, with many identical icons and navigation buttons, thus ensuring the same approach to interaction.

EASE OF USE

The new interface has been specifically designed and optimized for immediate use via touch screen. Graphics have been redesigned for simple and comfortable navigation, with tablet-like icons on touch screen controller.

“ZERO” ERRORS

Improved productivity thanks to guided procedures that reduce the possibility of error from the operator's side.

SOFTWARE

Factory

Maestro active sand

Maestro active sand is the innovative software interface specifically designed for automatic dry deburring-finishing machine.

FULL CONTROL OF PRODUCTION PERFORMANCES

The creation of customizable reports by operator, shift, program, forecast period (and much more) allows to monitor, optimize and improve the production performance

ADVANCED PRODUCTION ORGANIZATION

Maestro active sand allows to create different users with different roles and authorizations depending on the machine's use (e.g.: operator, maintainer, administrator, ...), to detect activities, productivity and events that occurred in each shift.

TOTAL QUALITY OF THE FINISHED PRODUCT

With Maestro active sand the quality of the finished piece is no longer put at risk by abrasive belts wear. New tool store management function **enables to execute the inventory** of all the tools available on the store, **to register the belts** and **to automatically prepare bar chart reports to control their status** and to alert the operator when they have to be replaced.

EASY TO USE

Main functions:

- Tool store management
- It indicates the quantity per type of belts and automatically warns when they are running out
- Barcode management: reading of customer's barcode and automatic association of the working programme and working thickness to be used
- Creation of programs for each individual part
- Machine status management
- Following Industry 4.0 principles

MACHINE CONTROLS

dmc m950
sbavatrice-satinatrice a secco



EYE-S CONTROL PANEL: EASILY AVOIDING MISTAKES

Simple and intuitive control panel with 15" touchscreen and **Maestro active HMI**, to improve dry deburring-finishing machine experience. It allows the machine to be managed in manual mode or with working programs that can be configured by the operator.

"eye-S" includes **new features enabling proper management and costs reduction** of the abrasive tools.

The possibility to store **up to 999 work programs** to recall the most frequently used machine settings makes it **ideal even for less experienced users**.



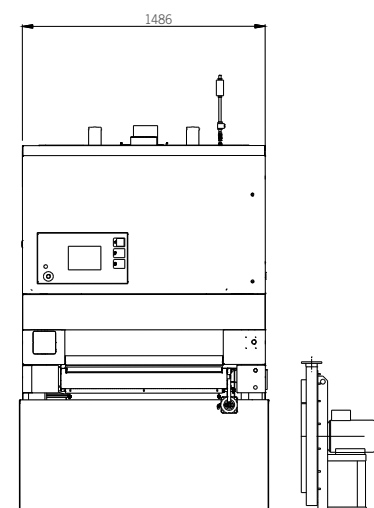
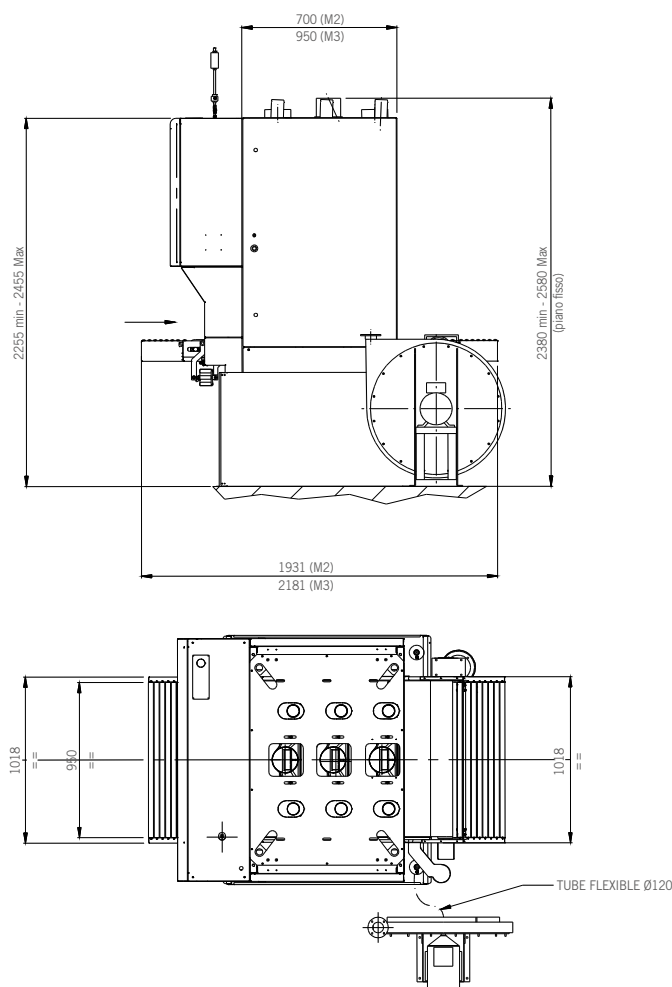
EYE-M CONTROL PANEL WITH MAESTRO ACTIVE SAND ELECTRONIC CONTROL

The "Maestro active sand" control allows you to set all the machining parameters from the "eye-M" console with 24" touch screen and **to check the correct operation** of the machine in real time. The powerful industrial PC with an **extremely simple and reliable user interface** can perfectly meet the requirements of even the most demanding operators (opt.).

OVERALL DIMENSIONS

TECHNICAL DATA





DMC M950

Number Of Operating Units		2 - 3
Working Width	mm	950
Min / Max Standard Working Thickness (Mobile Worktable)	mm	0,5 ÷ 170
Min / Max Standard Working Thickness (Fixed Worktable)	mm	0,5 ÷ 200
Sanding Belt Dimensions	mm	950 x 2620
Fixed Height From The Ground (Opt.)	mm	900
Conveyor Belt Speed	m/min	0,5 ÷ 10



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 foreseen by the CE Norms.

*Maximum noise levels measured according to the operating conditions established by EN 1870-13:2012
Acoustic pressure in process 89 dbA (measured according to EN ISO 11202:2010, uncertainty K = 4 dB) .
Acoustic power in process 103 dbA (measured according to EN ISO 3746:2010, uncertainty K = 4 dB)*

Even if there is a correlation between above mentioned "conventional" noise emission values and average levels of personal exposure over eight hours of operators, these last also depend on the real operating conditions, duration of exposure, acoustic conditions of the working environment and presence of further noise sources, this means the number of machines and other adjacent processes.



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From installation and production start-up to services and maintenance. From training to the supply of specific original spare parts: **we provide solutions designed around you!**

 SERVICE AND MAINTENANCE • Remote support • Scheduled maintenance contracts • Warranty extension	 TRAINING SERVICE • Courses for machine operators • Software and programming courses • Training in production start-up
 SPARE PARTS • Recommended spare parts list • E-shop • Interactive spare-parts catalogues • Repairs on electronic parts, glue tanks and electro-spindles	 DIGITAL SERVICES • Maestro Connect - IoT platform to be constantly connected with your machines • Smartech - assistance with augmented reality • My Scm portal - opening of service ticket and single point of access to the apps and Services tools

CONTATTI

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My Scm



SOLUTIONS AND SERVICES ALWAYS CONNECTED FOR YOU

SCM, A STRATEGIC PARTNER, BY YOUR SIDE AT EACH STAGE OF YOUR BUSINESS PROCESS

SCM has always stood alongside companies in the woodworking sector, with **technological solutions and services which are constantly connected to maximise the machine's efficiency, improve product quality and reduce operating costs.**

70+ 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

SCM GROUP, THE MOST ADVANCED SKILLS AND KNOW-HOW IN THE FIELDS OF MACHINERY AND INDUSTRIAL COMPONENTS OVER THE LAST 70 YEARS

INDUSTRIAL MACHINERY

Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.

scm

Woodworking
technology

Cms

Composite,
aluminium, plastic,
glass, stone, metal
technology

MECAL

Technologies for the
profiles processing of
aluminium, PVC and
light alloy

TECNOLOGICA

Automated
systems for
industry

HITECO

Electrospindles
and technological
components

les

Electrical
panels

steelmec

Metalworking
and mechanical
machining

scmfonderie

Cast iron

INDUSTRIAL COMPONENTS

Technological components for the Group's machines and systems, for those of third-parties and for the mechanical industry.



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