

# Sanding/Brushing Machine MVS “Floor”



destefani

SINCE 1979  by GIARDINA GROUP

The **MVS “Floor”** is a sanding/brushing machine for floor elements, profiles and flat elements, equipped with four working units that can be fitted with different types of grinding wheels and brushes for high-quality **sanding, rusticing, smoothing or cleaning**.

The work of the grinding wheel can be made even more effective by a system that oscillates the units.

It is the ideal solution for sanding the top surface of parquet and floor elements, frames, poles, strips, elements of door and window frames, veneers, solid wood elements and unfinished and coated treated MDF parts.



## THE FRAME

The MVS “Floor” is made of thick steel, designed to compensate vibrations and guarantee perfect stability even during the more demanding work phases. The base has a fixed entrance and the units are aligned on the right hand side of the belt support beam.

## CONVEYOR SYSTEM

The parts run correctly on a large (320 mm) rubber **conveyor belt** with three internal canvas tracks and a rough running belt, with a rubber cover. The **upper press** – with a double row of rubber wheels with ball bearings – can be positioned vertically according to the thickness of the elements being processed.

The infeed **part counter** has a reference square with adjustable width.



## CONTROL SYSTEMS

The **control panel** is used to manage all working units and every function of the MVS “Floor” with its electronic programmer and 9.7 inch touch screen display. It provides immediate viewing and programming of the conveyor system speed (feed rate in m/min), alarm diagnostics, language selection, workpiece count with the possibility of calculating how many metres have been sanded/brushed rather than the total number of working hours. Electronic system for adjusting the intervention times of the various units installed on the machine, based on the feed speed.

For **each unit** the inclusion or exclusion of the (optional) brush oscillation system, the cutting speed of the abrasive wheels/brushes and the direction of rotation (clockwise or anti-clockwise) can all be managed.

## ABRASIVE WHEEL BRUSHING UNIT MOD. “SB 300”

The MVS “Floor” is equipped with four units fitted with abrasive brushes mounted on slides and crosses for vertical positioning according to the thickness being processed. The adjustment axis is manual with mechanical digital position reader and axis adjustment screw with double thrust needle bearing. The protective cap houses the dust suction port. The units can be fitted with different types of brushes to achieve different finishes:

- **sanding** (Scotch Brite brushes, mixed paper or canvas or polyurethane resin flap brushes);
- **rusticating** (steel or “Tynex” brushes);
- **smoothing** (horsehair brushes);
- **cleaning** (“Tampico” brushes).

An efficient suction system conveys dust and processing waste into a main duct for connection to the external vacuum cleaner.



### BRUSH UNIT TECHNICAL FEATURES

**Motor power:** 2,2kW

**Belt speed** (adjustable with inverter): between 420 and 1,700rpm

**Angular adjustment:** upper fixed

**Maximum size of abrasive belts:** 200x300mm

## MACHINE TECHNICAL FEATURES

**Min/max part width:** 50-300mm

**Min/max part length:** 600-3,000mm

**Min/max part thickness:** 15-60mm

**Processing speed** (adjustable with inverter): from 5 to 25m/min

**Conveyor motor power:** 1,5kW

“Industry 4.0” Set up.

