ART. 7 6

BELT POLISHING MACHINE FOR SATIN FINISHING BY WET SYSTEM MAX.WIDTH 300 X MAX.THICKNESS 205 |
1 BELT GRINDING UNIT

Made in Italy

DESCRIPTION

The ART.76 model Sander-Satin machine allows you to solve finishing and satin finishing problems on flat surfaces such as plates, sheets, bars and tubulars with square and rectangular section in stainless steel, iron, aluminium etc. Working in "Wet" mode, the piece is cooled during processing, preventing the part being processed from deforming. It can also be used to deburr punched sheets, laser and plasma cut plates.
On the machine it is possible to mount abrasive belts of any grain and type to obtain different finishing qualities or deburring aggressiveness.
The ART.76 machine is equipped with a pneumatic system for tensioning the abrasive belt which allows the belt to maintain a constant tension and prevent the operator from carrying out belt pulling operations. The machine has a filtering system for the coolant and a tank for collection and recirculation.

TECHNICAL DATA

GENERAL

Diet	400/50/3	Volt / Hz / Phase
Electric motor power	4.0 (5.5)	kW (Hp)
Engine revolutions	1,500	Rpm
Dimensions (Wide x Long x High)	1250x1200x2100	mm
Weight	625	kg
Noise emitted when empty	85	dB

BELT SANDER

Useful working width	300	mm
Useful working height	200	mm
Minimum piece length	140	mm
Abrasive belt	300x1900	mm
Cutting speed	8	m / sec
Advancement speed	1.5 ÷ 8	m / min

* All information is subject to change without notice.

PNEUMATIC TENSIONING

It allows the abrasive belt to maintain a constant tension and prevent the operator from carrying out pulling operations. It also allows a quick change of the abrasive belt.

SOLENOID VALVE

Compressed air treatment unit consisting of control solenoid valve - regulator - filter.

ELECTRIC PANEL WITH AMMETER

Low voltage electric controls positioned on the front of the machine with amp meter device to allow you to control the sanding pressure on the piece during processing.

MECHANICAL BRAKE EMERGENCY STOP

Quick stop of the machine thanks to the electric motor w mechanical braking.

REFRIGERANT SYSTEM

Allows the cooling of the piece and the abrasive belt during processing. Consisting of tap and adjustable nozzles.

PISTOL
Water gun for cleaning the machine and parts.

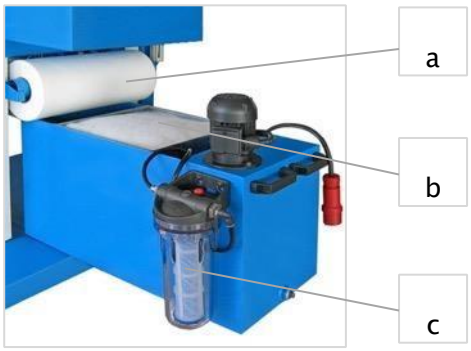
MICROMETRIC READER
Hand wheel with revolving handle with decimal thickness indicator. By simply turning the hand wheel, it allows you to adjust the thickness of the elements being processed. The hand wheel acts on the "sanding group" by adjusting it in height. The conveyor belt assembly remains stationary, stable and vibration free.

"SAFETY HANDS" DEVICE
In the event that the thickness of the piece has not been correctly adjusted or the operator hits the device with his hand, all the mechanical parts in motion will stop immediately.

CLEANING THE CONVEYOR BELT
Blowing device for cleaning the conveyor belt. Very useful in cases of processing small details with water, avoiding the aquaplaning effect generated on the conveyor

PREPARATION FOR CONNECTION OF THE SUCTION SYSTEM
The suction casing is used for dry machining. It is recommended to connect the machine to a suction system in order to keep the conveyor belt and the pieces clean during processing.

VARIABLE SPEED CONVEYOR BELT
The feed speed can be adjusted from 1 to 10 m / min by means of the mechanical speed control



COLLECTION AND RECIRCULATION TANK

The collection tank positioned inside the machine structure has a capacity of 70 litres and is equipped with a pump and a system for the recirculation of the coolant liquid.

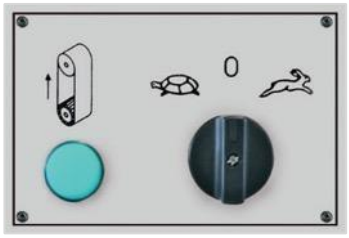
Triple filtering (abc). The first filter (a) captures most of the emery. The second filtering (b) is more selective than the previous one and takes place before the liquid is collected in the tank. The third filtering (c) allows the fine emery to be filtered before the coolant is put back into circulation in the system.

DOOR WITH TRANSPARENT WINDOW

The transparent window on the door allows the operator to keep the inside of the machine under control during processing

OPTIONAL ACCESSORIES

RUL-76
Roller conveyor made up of: 1.5 m modular modules.
The roller conveyor is equipped with rubber-coated rollers to prevent scratches caused by rubbing on the machined pieces.



M2V-76
Double speed of the abrasive belt.
Engine revolutions Rpm 1400 - 2800.

SPU-76:
Blower for outgoing parts It allows the drying of outgoing parts during water processing.
The device allows to remove most of the water on the worked part, facilitating and speeding up the operator's drying.

INV-76
Supplement for three-phase inverter for the electronic regulation of engine revolutions from 150 to 3000 rpm with electrical panel equipped with potentiometer and digital display.

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VRA: Coolant collection tank with automatic filtering

The filter tank has a capacity of 170 litres and an automatic filtration system. The tank autonomously recognizes the dirty part of the filter and automatically moves forward bringing the emery inside a container. It is particularly recommended for those who use the machine for continuous processing. In this way there is a good cooling and a good purification of the coolant liquid and a long working autonomy.

TECHNICAL FEATURES

Tank capacity: 170 litres
Pump flow: 50 l / min
Max capacity purification: 50 l / min
Net weight: 110 kg
Dimensions: 770x1500xH.750

ASP.01-HP2: CYCLONE ASPIRATOR

The vacuum cleaner is made entirely of steel, without dust bag filters. The dust is removed by a cyclone system. It is channelled and collected in the steel drawer which once full must only be emptied without the need for further maintenance.

TECHNICAL FEATURES

- Motor: Volt 400 - Rpm 2800 - kW1.5
- Max flow rate: 940 m3 / h
- Max total pressure: 385 mm H_2OR
- Net weight: 133 kg
- Dimensions: 650x650xH.1550