



Design and manufacture equipment for wet surface treatment and handling systems since 1978

- ◎ Space savings
- ◎ User friendly
- ◎ High ratio quality/price
- ◎ Very reliable
- ◎ Easy maintenance



**AUTOMATIC UNLOADER mod. "VE"**

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### TECHNICAL DATA:

Overall length	:650 mm (VE/L model 880 mm)
width	:1050 mm
height	:1290 mm
Min. board size:	:200 mm x 200 mm
Max. board size:	:610 mm x 640 mm
Working height:	:900 mm
Working width:	:640 mm
Min./Max. board thickness:	:from 0,5 mm to 5 mm
Standard conveyor speed:	:from 0,5 mt/min. to 3 mt/min.
Max. load boards:	:120 Kg
Boards' stack max. height:	:280 mm
Min. distance between boards:	:5 mm
Electrical power:	:0,5 Kw ( 400 V - 3phase - 50 Hz)
Machine net weight:	:120 Kg
Max. noise	:70 dB (A)
Built-in cabinet	
Compressed air	
(only for VE/L version)	:400 NI/min(2 bar)



### Features

Compact and reliable loader unit for your handling needs. Designed to feed production line, this equipment is used to unload different size's boards – rigid and semi-rigid - from operating machines in horizontal position. It has different points of strength as space saving, user friendly, low cost and extreme flexibility in customization.

#### Base machine description

The machine has a very sturdy and compact construction and it is provided with an entry roller conveyor, which can move the panels, coming from processing lines, onto a proper supporting plate.

The supporting platform automatically adjusts its level in order to allow for a transfer of the incoming panel onto the existing stack of panels.

The blocking rollers with different axis reduce to a minimum any possible creeping. When the stack of panels is removed by the operator, the plate will automatically go up again to the "receiving" level.

The supporting platform is vertically driven by means of a telescopic device with square section (100 mm x 100 mm) and the transport shafts are stainless steel made, gum covered and with plastic rings. They are moved by a suitable gear motor with his electronic card.

The mechanical components of the supporting system are properly isolated for operator's protection.

The machine is fitted with a "ready to receive" signal in order to interface with the preceding machines and a blinking alarm informs the operator when the discharge plane is full.

The conveyor speed is adjustable.

The unloader is built following CE laws.

### As options, the following solutions can be considered:

#### Model VE/L

VE range version able to unload thin material down to 0,1 mm for very small thickness boards (min. thickness 0.1 mm, as inner-layers). Compared to the standard features of the VE model additional applications are included. Full rubber rollers instead of ring rollers. A dedicate system with a positioning sensor between rollers plus a solenoid able to provide an air flow during downloading, avoiding creeping, and a blocking system on the working platform to avoid slipping.

#### System to change speed range

According customer request is possible to adjust unloading speed defining a speed range during the manufacturing process. Customer can choose on request different range options. Max. speed 10 mt/min.

#### Wheels

A four wheel system (2 wheels with brakes) applied at the frame guarantees flexibility in the working place.

#### 30" (760 mm) working width version

On request this unloader is also available larger. This option is also available for the VE/L version

For different applications, heterogeneous handling equipment are available.

**POLA e MASSA s.r.l.**

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