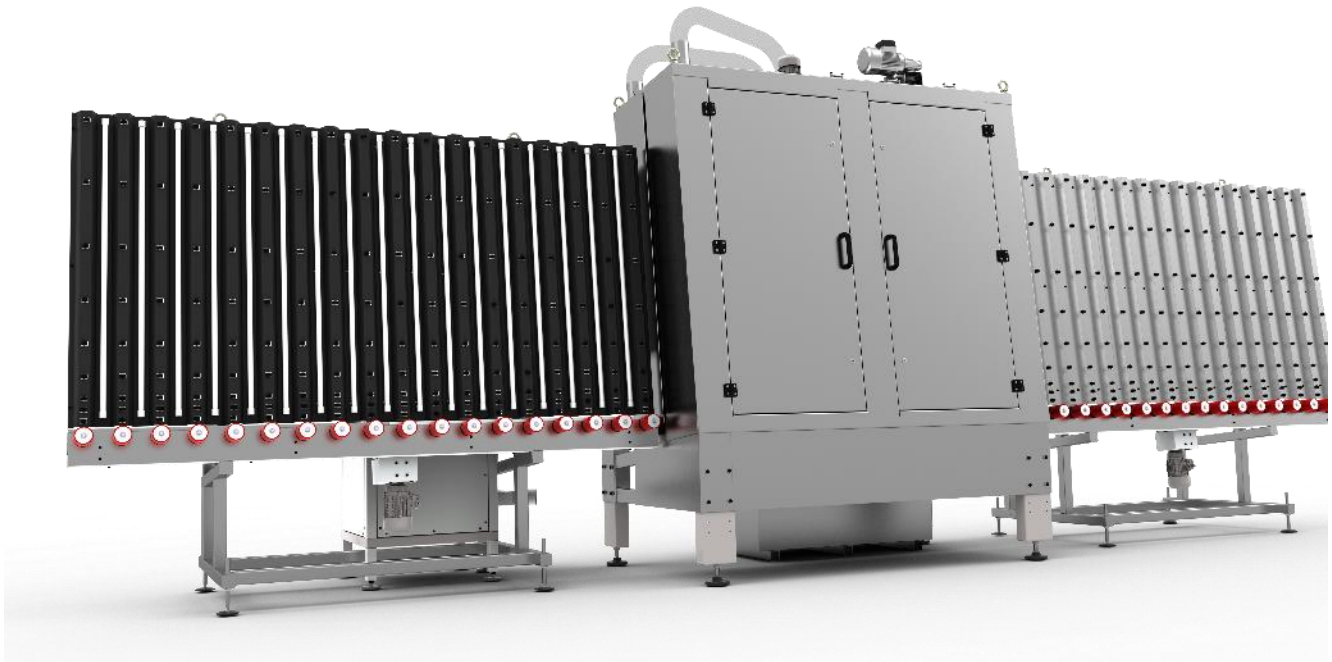


YALOS BAVELLONI VW 1600 OT

Vertical washing machine



General description

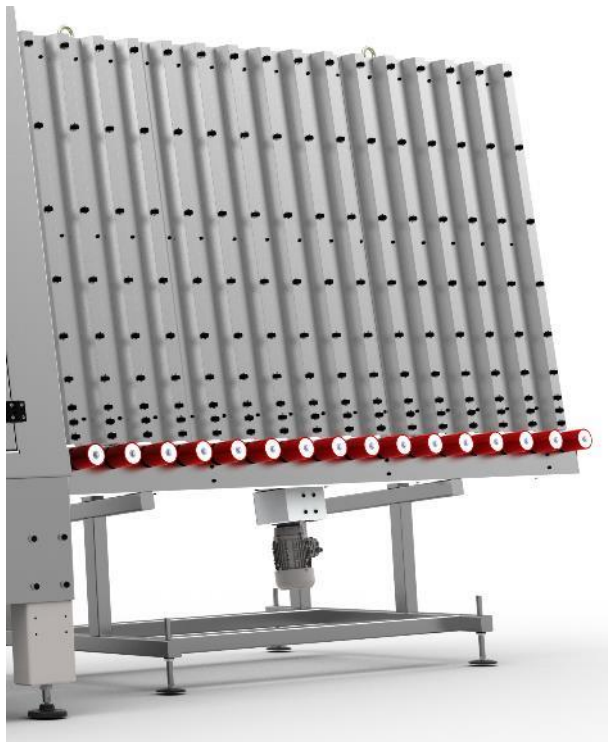
Yalos Bavelloni **VW 1600 OT** is a washing machine for flat glass, able to process glass with a maximum height of 1600 mm. Thanks to the open top structure, it also allows the transit of glass with a higher height (obviously the part exceeding 1600 mm will not be processed).

The machine has been designed either for independent use, as a stand-alone solution, or in line with other vertical machines (straight grinders, bevellers, vertical CNC centres, drilling/milling machines, etc...).

The machine has been produced using the best available technical solutions, the best materials and components, in order to obtain a product destined to last for decades and to minimize and simplify the necessary maintenance.

Inlet Section

The infeed section of the washing machine consists of a horizontal roller conveyor and a back rack to support the glass. The glass transport rollers are made of special rubber which guarantees a high resistance to aging and wear. The pins of the rollers are made of stainless steel.



self-lubricating polymeric material.

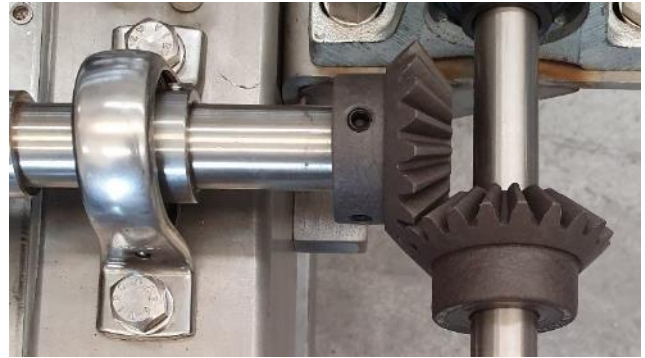
The transport rollers are fixed to the structure by stainless steel supports. The lower rollers are motorized by transmission shaft and bevel gears made of self-lubricating polymer material.

The infeed section of the washing machine consists of a horizontal roller conveyor and a back rack to support the glass. The glass transport rollers are made of special rubber which guarantees a high resistance to ageing and wear. The pins of the rollers are made of stainless steel.

The transport rollers are fixed to the structure by stainless steel supports. The bottom rollers are driven by transmission shafts and bevel gears made of

This solution requires no maintenance over time and is extremely silent even at high transport speeds.

The glass supporting rack is made of a stainless-steel sheet, in which are placed the idle wheels for the sliding of the glass.



Washing/Drying section

The machine body includes glass washing and drying sections. The structure of this section is an essential element to obtain the best results: perfect flatness of the roller plane, absence of vibrations, excellent washing and drying quality.

VW 1600 OT, although it is a small/medium size washing machine, is equipped with an oversized structure and entirely built in stainless steel, for a practically eternal life. Vertical rollers that cover the entire height of the machine have been provided for the transport



of the glass. The rollers are made of special vulcanized NBR rubber, which guarantees a high resistance to aging and wear.

The pins of the rollers are made of stainless steel. On the front side there are lower rollers which, by means of a special device, are automatically adjusted according to the thickness of the processed glass.

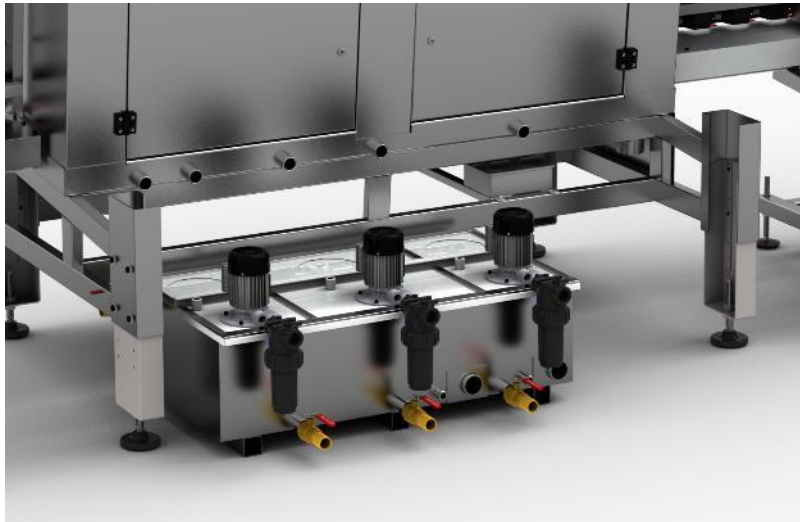
The washing area consists of 3 independent sections:

- Pre-wash: with stainless steel bar and spray nozzles
- Washing: using two brushes with high bristle density: this is a key feature to achieve the best washing results. The pins of the brushes are made of stainless steel.

Description VW 1600 OT

Pictures in this document are indicative and they could display optional devices. This document contains confidential information that shall not be copied or disclosed to any third party.

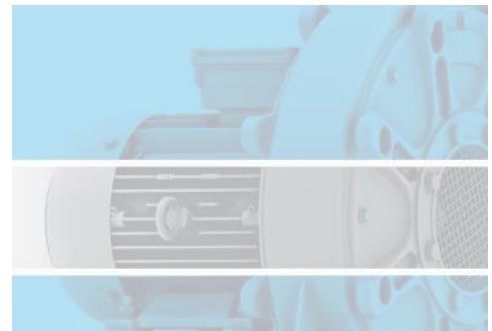
- Rinsing: with stainless steel bar and spray nozzles



Each section is equipped with an independent water circuit, each one powered by a dedicated recirculation pump. There is a stainless-steel tank equipped with three separate sections, with cascade water flow from the last section to the first.

The drying section consists of a pair of inclined air knives to ensure the best drying quality. The air knives are made of stainless steel and are powered by a special high-pressure radial blower:

- Extremely compact and lightweight (cast aluminium body)
- Wear-free
- Direct motorization via frequency converter
- High rotation up to 105 Hz (approx. 6,200 rpm)
- Corrosion resistant



The blower is contained in a special sound box, positioned on the back of the machine.



Electrical box

The electrical panel is positioned on the output rack: in this way the overall dimensions of the machine are reduced to a minimum and there are no grounding cables.

The control panel is positioned on the front side, at the entrance of the machine body.

Telescopic legs

The machine is equipped with telescopic legs to easily adjust the height of the worktop.

Water quality features

To obtain a good washing quality, we advise to use water with the following features:

- Conductivity : < 50 μ S (micro Siemens)
- Hardness : < 0,5° F (German degrees)
- Salt contents : < 5 mg/l
- Chlorides : < 5 mg/l
- Iron : < 0,05 ppm
- Turbidity : < 0,5 ftu

In case the above-mentioned features exceed, it is necessary to use a suitable demineralising system.

Technical specifications

	VW 1600 OT
Maximum processing height (mm)	1600
Glass Minimum dimensions (mm)	400x200
Glass Thickness (mm)	3- 20
Inlet section length (mm)	2500
Outlet section length (mm)	2500
Nr tanks + pumps	3
Nr brushes	2 + 2
Nr air knives	1 + 1
Total installed power	9,6 kW
Glass Transport speed	1-9 m/min

Description VW 1600 OT

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