

Description

The Ethanol washing line is designed as a single-purpose fully automatic piece of equipment for mass washing of electronic components in ethanol and for their subsequent drying. The version is an all-stainless steel one, the controls and sensors in the process space are designed for explosive environment.

The equipment is certified as suitable for use in rooms with explosion hazard.

The equipment comprises:

- A control part with the control panel which ensures safety, control and regulation functions during operation of the line.
- The control part is connected to the superordinate manufacturing control and visualization system of the customer (SCADA) RS485.
- An input buffer which is designed as a roller conveyor powered by electricity which is used to load cages with material in predetermined loading positions.
- A process box designed to wash, rinse and transload the material with a multi-manipulator.
- A process washing tubs with a gravity cascade replenishment of the washing bath.
- A rinse tub with demineralised water flow rate regulation.
- An input and output pneumatically controlled door and vapour exhaustion.
- An output conveyor to carry the material out from the process box and to transport the material through the dryer into the output buffer.
- An output conveyor with a pneumatically controlled manipulator and a transloading mechanism powered by electricity.
- A hot-air dryer to dry the material placed in the cages. The dryer is designed as a set of pass-through circulation units with electrical heating of air up to the temperature of 80 to 150°C. The internal environment of the dryer is separated from the ambient atmosphere with an input and output air curtain.
- The output buffer as a non-powered gravity roller conveyor for controlled transfer of the cages to a take-away place which is equipped with a sensor which detects the presence of a cage.



Basic technical data:

Width:	1900 mm + electric switchboard panel
Length:	12150 mm
Height:	2400 mm
Weight:	3500 kg