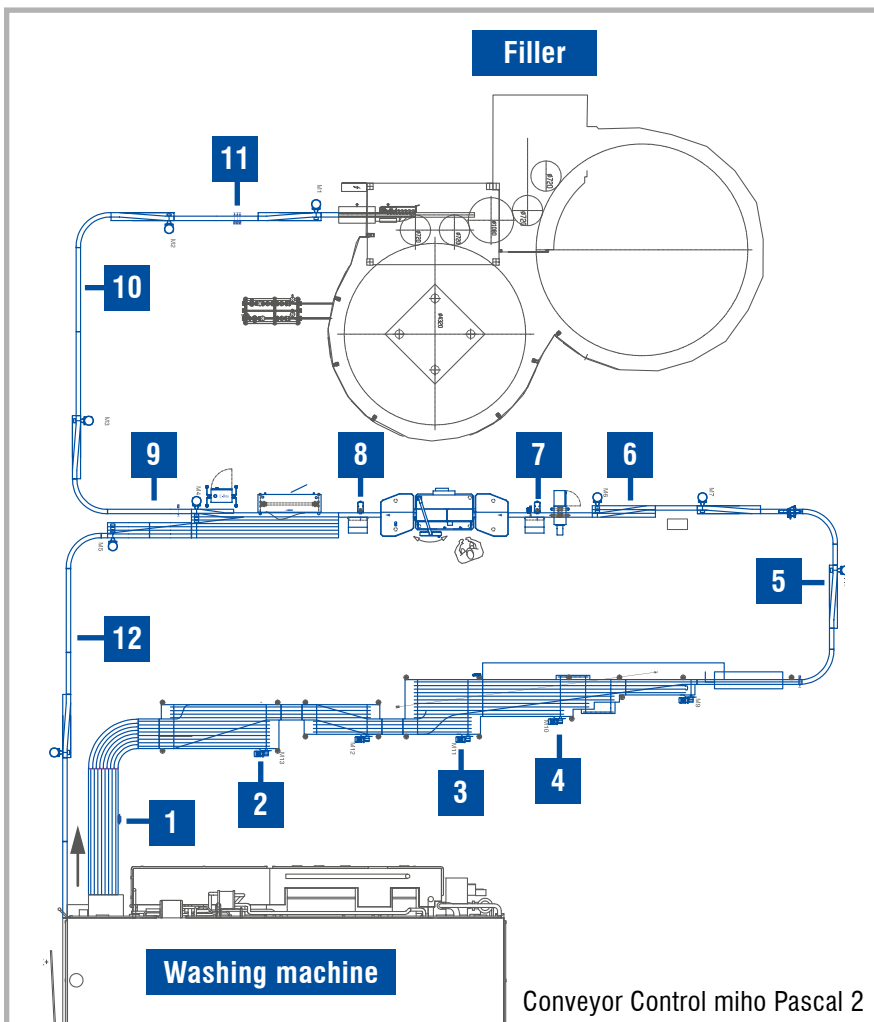


Conveyor Control **miho Pascal 2**

Advantages

- Smoother conveyance, less noise emission
- Bottle preserving conveyance, less scuffing
- Not bound to expensive and custom PLC solutions
- No locked system: standalone device, not buried in the EBI, makes change of inspection device more convenient and easy
- Complete controlled section up to 16 motor groups; i.e. from bottle washer, to packer
- Easy and fast EtherCat signal wiring; no more discrete wiring necessary
- No external programming unit or software necessary
- Up to 32 bottle types with individual parameters
- Step by step teach-in setup of bottle types
- Help and parameter guide on screen



- 1 Buffer control
- 2 Reduce output of main machine, detect lack of bottles
- 3 Control of the pressureless combiner
- 4 Create gaps for the inliner to allow bottle to get in line
- 5 Close gaps, detect lack of bottle and bottle jams
- 6 Create gaps between bottles
- 7 Rejection of lying down bottles
- 8 Compensate gaps from the rejector
- 9 Early gap detection and adjusting the point of collision
- 10 Smooth collision control and jam detection
- 11 Lack of bottle detection
- 12 Control the bottle return conveyor

Function

Electronic processor to control the areas of the buffer, pressure less combiner, one-lane blocking, closing bottle gaps, closing bottle gaps after rejection and creating the row of bottles in front of the lead machine.

- Clear conveyor function of the inspection machine
- Detection of lag of bottles in the buffer area as well as at the infeed of the lead machine
- Possibility to control a return conveyor after the Empty Bottle Inspection Machine, for example back to the Washing machine

Optional: Lying bottle detection via additional light barriers and rejection via reject system

Up to 16 motor groups are available for the Pascal 2. And up to 32 programmable bottle types can be product-specifically parameterized.

The Pascal 2 has 10 sensor inputs available for detecting any deviating bottle divisions and 8 sensor inputs for the control of buffer conveyors.

The control module is located in a remote-control cabinet for operation at the conveyor belt and forms part of the scope of delivery.

Technology

- Standardized FPGA control module in stainless steel case with 5.7" colour display and touch function
- Improved visualization via parameter guides
- Teach-in-mode for easier setup of a new bottle type
- Diagnostic functions like oscilloscope screen and extensive diagnostic of the input and output signals
- Up to 16 motor groups, 10 regulation areas for single line conveyors and 8 for buffer areas
- Up to 32 individually parameterized bottle types
- Multilingual user interface (language selection), password protection
- Floating contact for „system ready to operate / switched on“
- 3-colour light for standby and fault indication on the remote-control cabinet
- Connection data: 24V DC / 4A

Network integration

Diagnosis and online help through separate remote maintenance module

