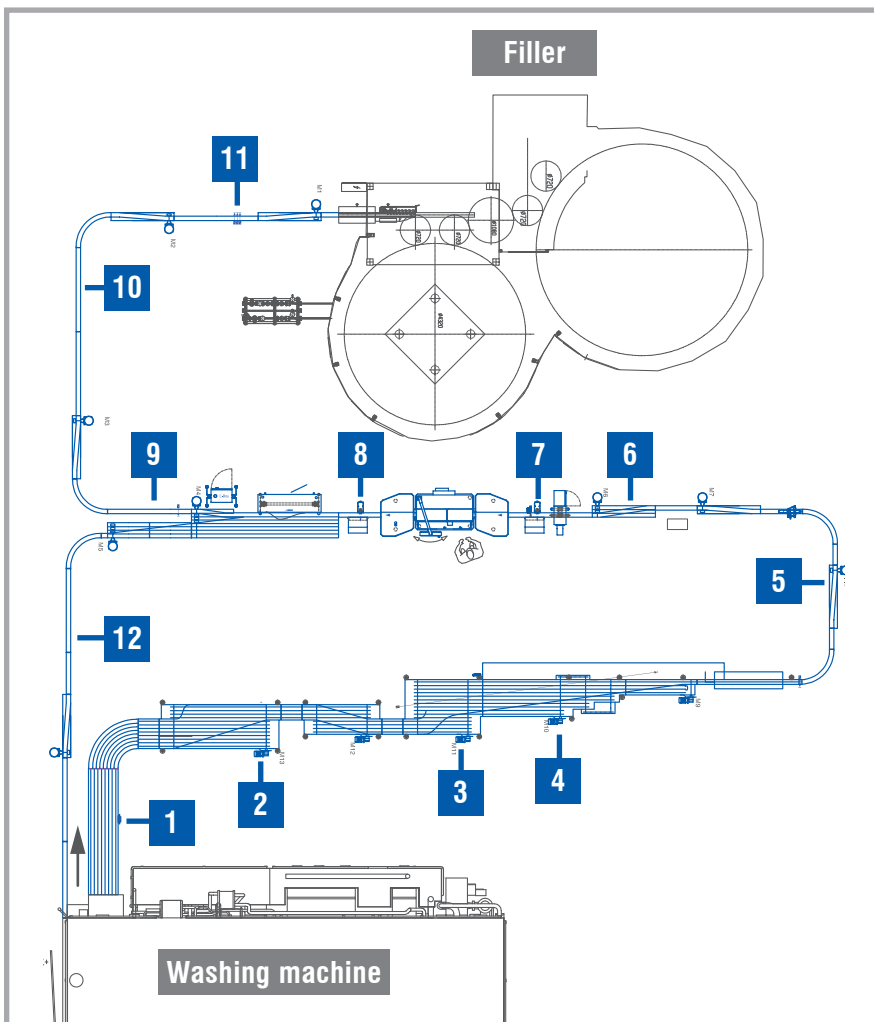


Conveyor Control **miho Pascal 2**

- ✔ Smoother conveyance, less noise emission
- ✔ Bottle preserving conveyance, less scuffing
- ✔ Multiple monitoring of the conveyor's fill gade
- ✔ Early gap detection in the bottle flow and restoration of throughput without touching the bottles
- ✔ FPGA technology ensures gap detection accurate to the millimetre in real time
- ✔ No locked system: standalone device, not buried in the EBI, makes change of inspection device more convenient and easy
- ✔ Easy and fast Ether-Cat signal wiring
- ✔ No external programming unit or software necessary
- ✔ Up to 128 bottle types with individual parameters
- ✔ Teach-In mode for easier setup of a new bottle type
- ✔ Help and parameter guide on screen
- ✔ Not bound to expensive and custom PLC solutions
- ✔ Up to 16 fully controllable conveyor belt sections are possible
- ✔ Remote visualization



All in one **miho Pascal 2:**

- 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

- A solution tailored to the specific requirements of the system
- Electronic processor for controlling the following areas: Single line blocking, Inliner and buffering
- Reducing disruptions by detecting bottle shortages at multiple locations
- Possibility to control a return conveyor after the Empty bottle inspection machine, for example back to the washing machine
- Diagnostic functions like oscilloscope screen and extensive diagnostic of the input and output signals
- External error message with editable text, a separate alarm indicator and individual stop signals for conveyor sections
- Statistical function for visualizing the progress of production output over the course of a day
- Energy-efficient standby function: During the set-up phase and during longer stops, all conveyors are automatically stopped
- Special functions: bypass, infeed worm, conveyor lubrication control, buffer table control, filling-up function and much more

Technology

- Standardized FPGA control module in stainless steel case with 10,4" colour display and touch function
- Improved visualization via parameter guides
- Remote-controlled bottle type changeover, requiring no staff intervention
- Multilingual user interface (language selection), role-based password protection
- A three-colour indicator light on the remote control unit to indicate operational status and malfunctions, as well as up to four additional alarm indicators in the system area
- 10 sensor inputs available for detecting any deviating bottle gaps and 8 sensor inputs for the control of buffer conveyors

Network integration

Diagnostics and online support via the remote maintenance module

