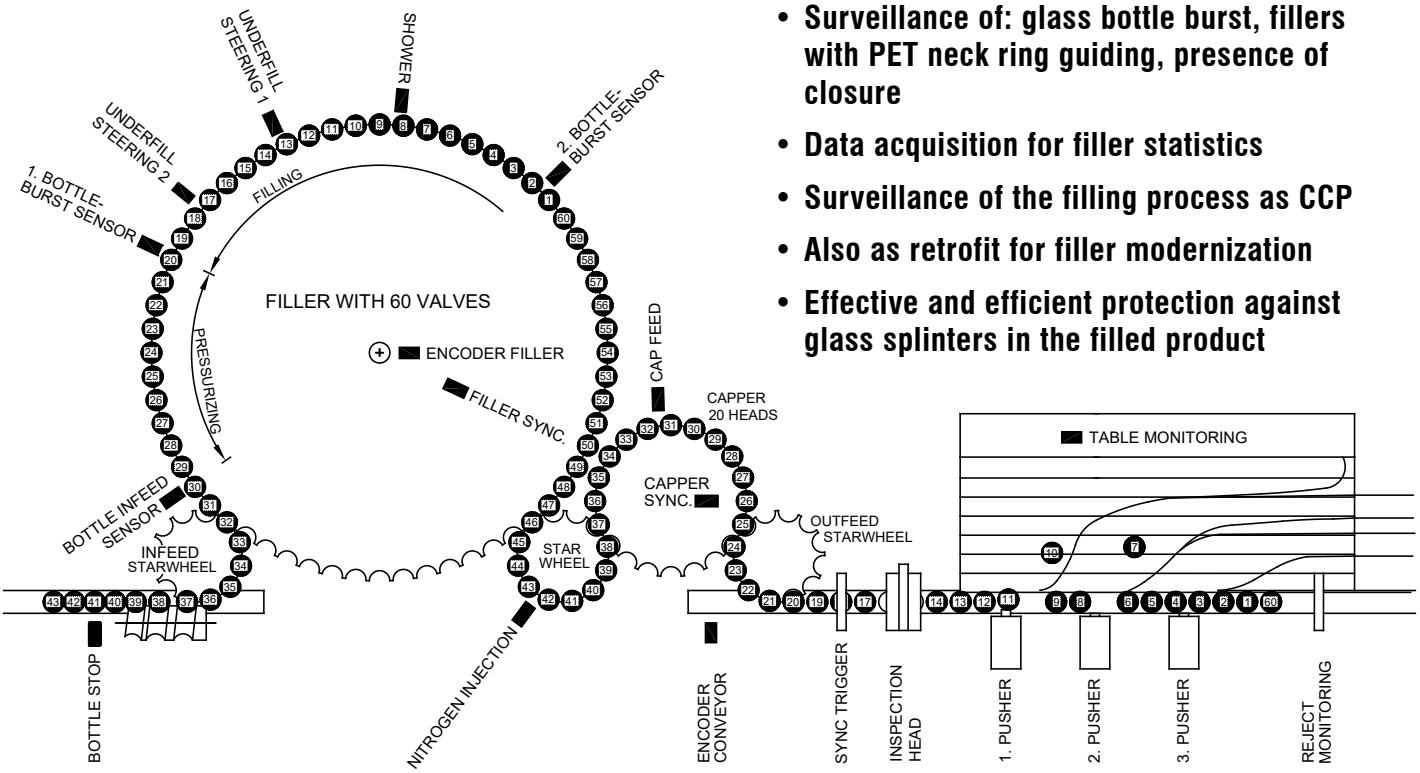
miho Inspektionssysteme

Filler Monitor miho FM 2

Filler and capper with filler monitor miho FM2 and a fill level control of the miho Newton family



Advantages

- **Surveillance of: glass bottle burst, fillers with PET neck ring guiding, presence of closure**
- **Data acquisition for filler statistics**
- **Surveillance of the filling process as CCP**
- **Also as retrofit for filler modernization**
- **Effective and efficient protection against glass splinters in the filled product**

Function

Filler Monitor miho FM 2, stainless steel electronic cabinet, to locate incorrect filling due to defect filling valves of a filling wheel in combination with a fill level inspection system of the miho Newton product range.

Automatic sampling of bottles of a complete filler or capper round, also without having chosen a start valve or capper head.

An information text shows in this case from which filler valve or capper head the first rejected bottle of the sampling came. This way a later correlation is possible. Valve specific sample rejection, capper head allocation (in combination with a cap inspection system of the miho Newton product range) is equally possible. A pre-configured sampling can be started automatically when the product type is changed.

If available / foreseen in the filler:

- Control of forced under fill valve and / or bottle shower
- Reject verification
- Integration of the necessary sensors inside the filler

Technology

- miho master: Standardized FPGA control module in stainless steel housing with 5.7“ colour display and touch function
- Multilingual user interface (choice of languages), password protection
- Comprehensive container type specific statistics
- Line shutdown in case of faults
- Control of a miho reject system
- Two inputs for external signals to start a pre-configured sampling
- Floating contact for „system ready to operate/ line shutdown“
- Connection data: 230 VAC / 50 VA

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Newton product family

The filler monitor miho FM2 can be integrated in the following control devices:

- X-ray fill level control miho Newton X2P or X2Z
- Infra-red fill height control miho Newton IR 2
- High frequency fill height control miho Newton HF 2
- Camera based fill height control miho Newton Optics 3

Optional extensions

The filler monitor miho FM2 can be extended with the following sensors:

- Closure detection for metal and / or plastic closures
- Filling tube detection
- Bottle burst detection inside the filler (glass bottles)
- Detection of Nitrogen injection, if present or oxygen value evaluation rejection

Network integration

- Diagnosis and online help through separate remote maintenance module
- Production data acquisition miho AWeS via Weihenstephaner Standard
- Intermediate storing of the operating data in case of failure of the existing network connection

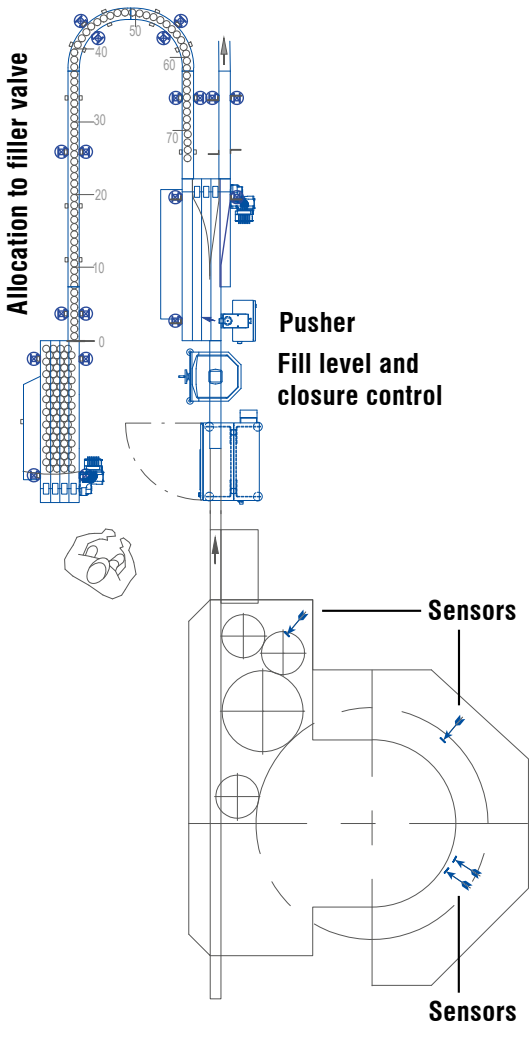
Reject systems

- High speed pusher miho HSP
- Linear segment reject system miho Leonardo M
- Multiway reject system miho HSPM

Filler rounds	-3	-2	-1	0	1	2	3
1							
2	X	X	X	X	X	X	X
3		X	X	X	X	X	
4			X	X	X		
5				X			

Filling valve from burst bottle (valve 0)

Rejection funnel after bottle burst



Valve specific sample rejection

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