Newton HF

Fill Level Control

The miho **Newton HF** is the ***HF* Fill Level Control** in the miho **Newton** Fill Level Control Range. The fill level detection by means of high frequency technology is today the standard method, due to its **high level of reliability** and **economical price**.

The miho **Newton HF greatly improves** the **HF measurement process**. Without having to carry out any special precautionary measures the HF technology is very sensitive towards changes in temperature that lead to measuring drifts and can therefore lead to changes in the fill levels measured. miho **Newton HF** resolves these problems because it is a machine that permanently controls and calibrates itself.

miho **Newton HF** therefore represents **a level of accuracy and reliability that has not been known up until now** for the HF fill level control: with this machine the HF inspection process has reached **new heights**.

miho **Newton HF** is a detection module for the miho **Filling and Quality Management System**. It can be combined with the miho **EC** module for the **label detector** and with the miho **FM** module for the **filler monitoring**.

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miho Newton HF

Areas of use and functions

miho **Newton HF** is a fill level control with a wide spectrum of use. It checks **glass and PET bottles,** in particular for liquids with little or no foam. For liquids that have alot of foam the inspection unit should be installed in a place in the filling line where the foam has reduced the most, for example, behind the labeller.
For the inspection of several specific bottle types, e.g. swing top bottles, we recommend using our Optical Fill Level and Closure Control System miho **Newton Optic**, for the inspection of cans our Fill Level Inspection miho **Newton X2P** or miho **Newton X2Z**.
In addition to being a fill level control, our miho **Newton HF** checks **the presence of caps**. This inspection takes place either inductively or optically (for plastic caps).

Additional functions (optional):

Detecting fallen bottles
To ensure that the rejection process is carried out accurately and safely, the centre of the fallen bottle is determined and then the rejector rejects the fallen bottle exactly at the middle of the bottle.

Detection of water
For **pasteurized juices** there is a special module that can detect **water that has seeped in,** with a high level of safety.

Filler stop
After a particular set number of consecutive faulty bottles either an accoustic warning signal will be activated or the filling process will be stopped automatically.

Control and Statistics:

The machine can **easily be operated** by using the different displays on the monitor. An **extensive range of statistics**, which amongst other things differentiates between the different faults, is provided in clear text and in different languages.

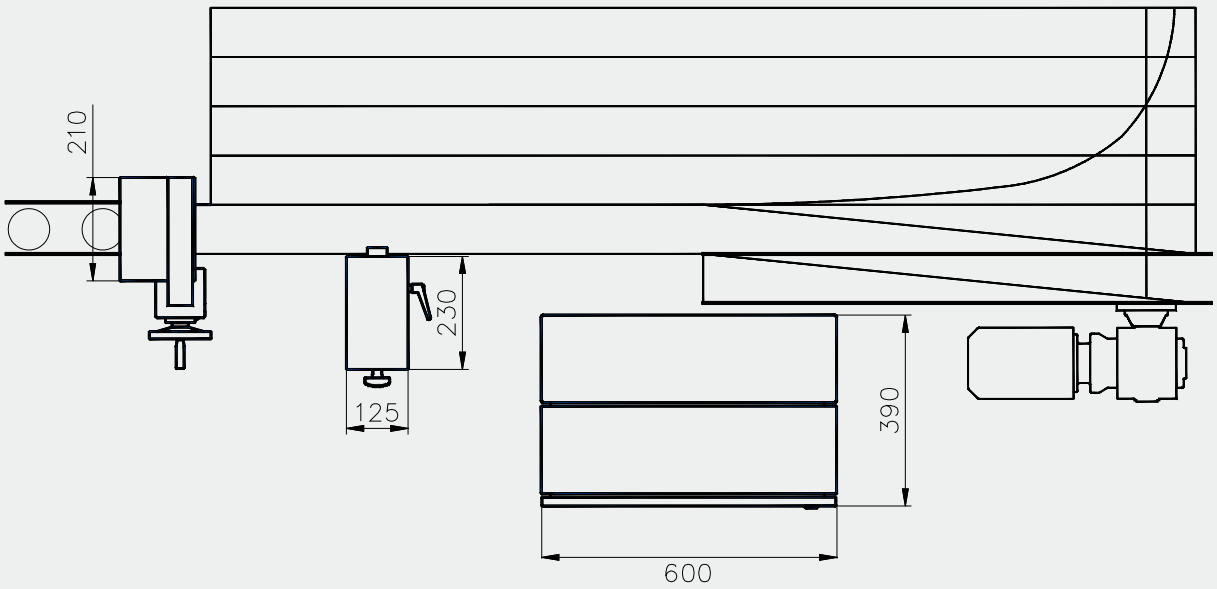
Inputs for the processing of external fault signals, also for machines from other companies, are included in the standard version.

Reject monitoring (optional):

A **reject monitoring system** ensures that the faulty bottle is really rejected. The **reject table monitoring system** checks that the reject table is not too full and that there are no bottle-jams.

Installation possibilities:

The control unit and inspection head for the miho **Newton HF** are generally installed at the outfeed of the filler or the labeller.



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