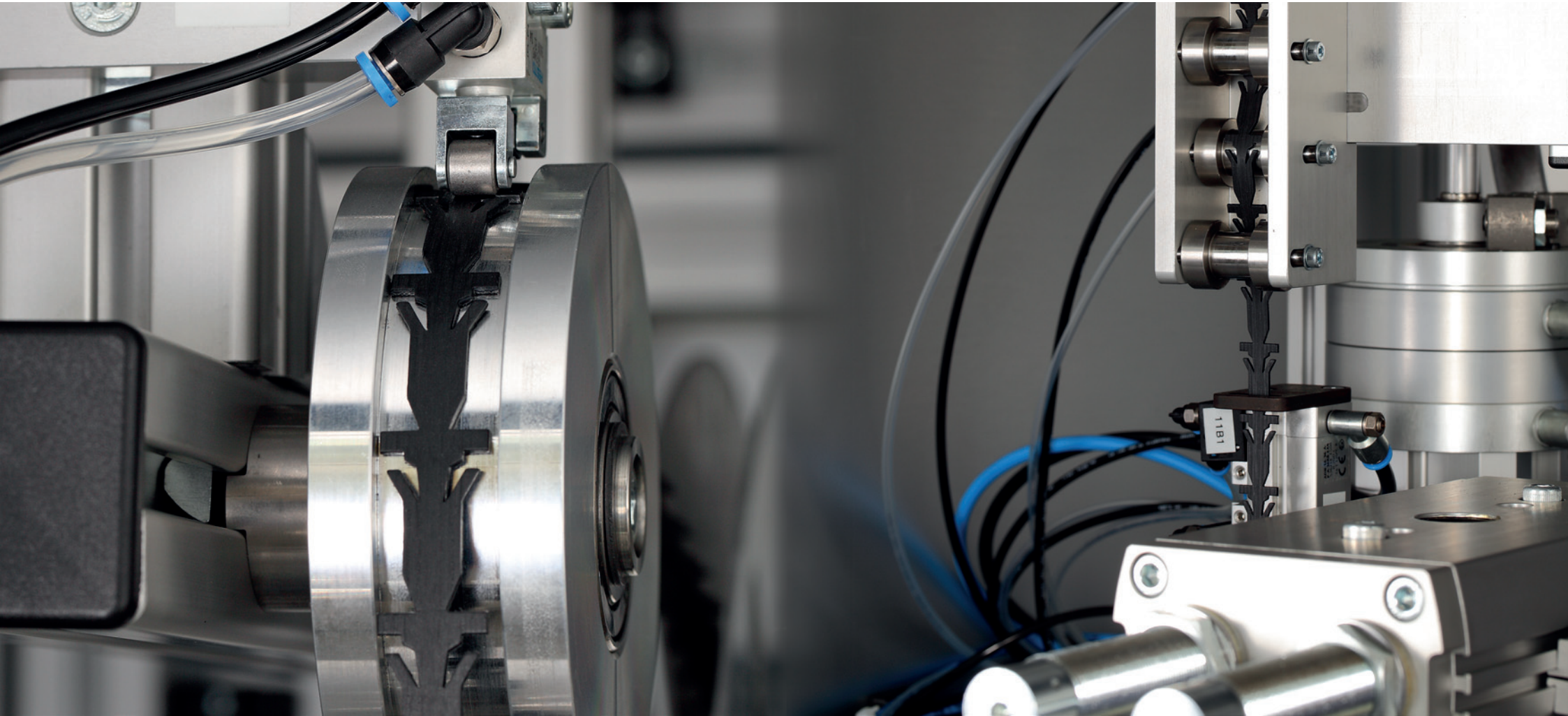


AirLock

Automatic closing of clamping ring containers



IF ANYONE CAN - WE CAN!

pirlo
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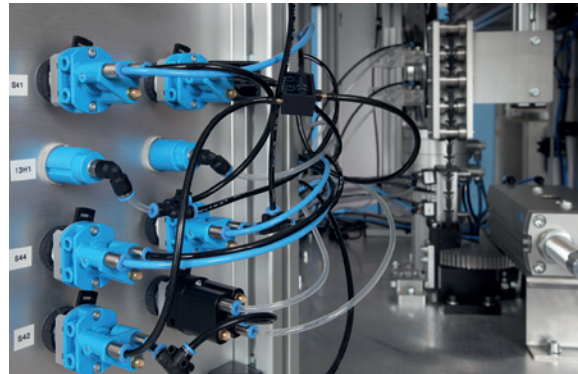
AirLock Generation

Automatic closing of clamping ring containers

With the AirLock system, Pirlo has developed a new generation of fully automatic closing of clamping ring containers to facilitate automation and streamlining of your production process.



AirLock is designed for the automatic closing of tinplate pails and hobs in sizes ranging from 5 to 30 litres with a standard clamping ring. The machine is ideally suited for integration into your filling line.



PROCEDURE

FROM IDEA TO SOLUTION

Process optimization:

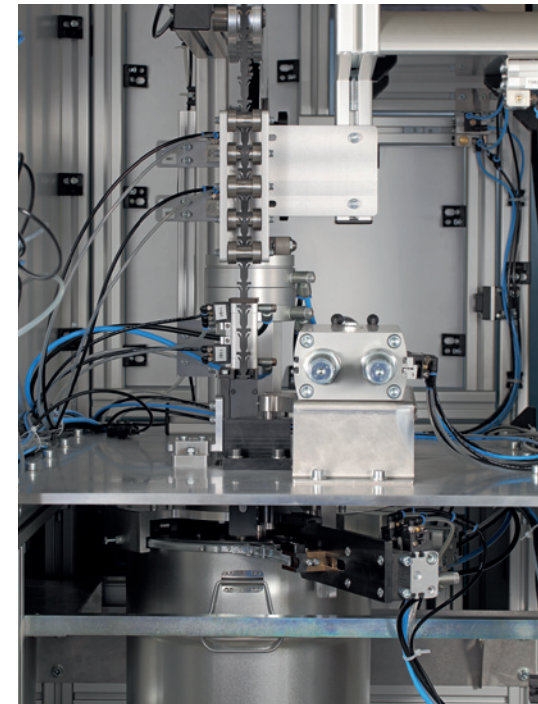
- streamlining and ergonomics in the workplace
- ease of use
- easily understandable processes
- minimal space requirements

Machine design

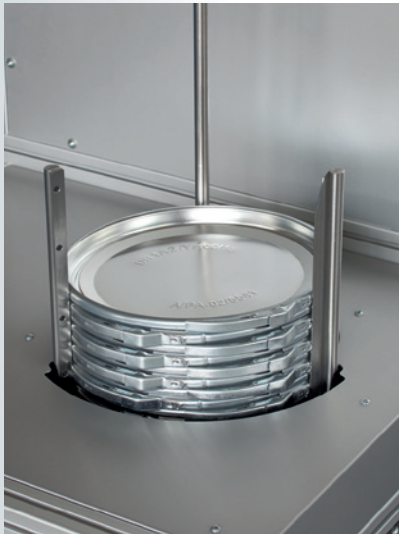
The new AirLock closure system is based purely on pneumatic control and a pneumatic drive. By intentionally omitting electronic components, the machine is optimised for use in explosion protection zones (ATEX zones).

In contrast to other systems, material forming is not used, thereby avoiding special forms for clamping rings and containers. This makes it possible to easily close the containers either using a machine or by hand.

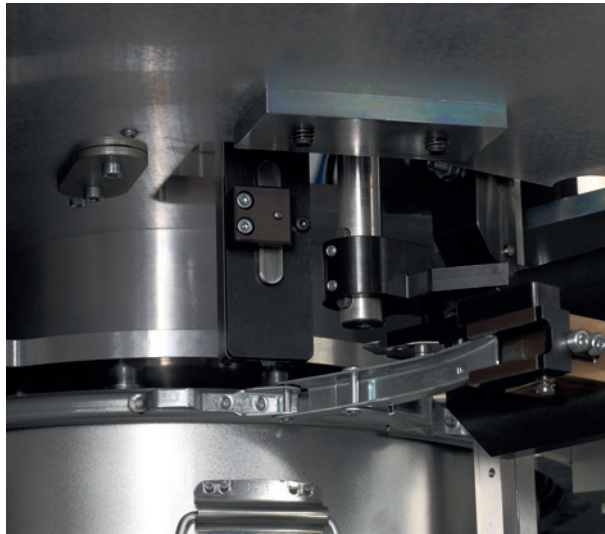
Tamper protection is provided fully automatically in the closing station with the help of the patented pin belt system.



The main functions:



1. single lid separation



2. closing



3. set pin

The compact AirLock system offers **additional advantages:**

- A unique feature is the lid feed from the magazine to the closure station - the lid is singled and then conveyed to the centering head by a sliding mechanism.

A controlled transfer is thus achieved and the dimensional variation of the container, such as ovality due to transporting the empty containers, can be compensated.

- The machine design can process different can heights without the need for a changeover procedure (optional).





Container designs

AirLock is designed for the closing of clamping ring containers in sizes ranging from 5 to 30 litres. The containers are available as requested either untested or as hazardous goods packaging in a UN or RID/ADR version.

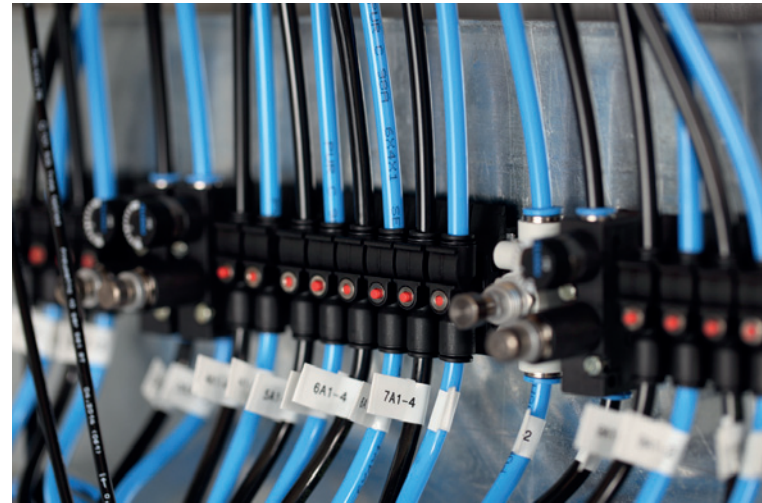
Standard formats:

filling volume (litres)	container diameter top/bottom (in mm)
5-13	217/230
13-20	265/280
25-30	310/328

Inline and stand-alone

The machine is installed and integrated into an existing filling line (the infeed height can be adjusted to the existing conveying height) or as a mobile dock at various filling stations.





TECHNOLOGY

IN A NUTSHELL

Technical description:

- fully automatic closing machine for integration into a filling line
- application for pails and hobbocks (container – lid – clamping ring in standard version).
- purely pneumatic control and drive
- optimised for use in explosion protected areas (ATEX zone)
- tamper protection with fully automatic pin insertion
- automatic lid magazine with individual separation and feed automation
- ONE central workstation

- reduction of the essential movements
- preferred use for hazardous goods containers (UN approval)
- automation of the manual work process:
 - no material deformation
 - simple quality control
 - no stocking of special items
 - one version – closing by machine or manually possible
- no height set-up required (optional)
- minimal space requirement due to compact design
- simple handling

AirLock is the solution ...

... for automated processes in the filling industry for the use of resealable containers from 5 to 30 litres with clamping rings



- cycle rate of up to 6 containers per minute (depending on the container design and filling situation)
- **operating medium:**
compressed air according to ISO 8573-1:2010 [7:4:4]
- **compressed air supply:** min. 6 bar 165 l/min
- **dimensions (with roller conveyor and outlet tunnel):**
length: 2174 mm
width: 1120 mm
height: 1850 mm
weight: 425 kg





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