



RL 1000

Automatic Ring Loader



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poly-clip[®]
SYSTEM

- Automatic positioning of sausage rings onto the smoke stick and loading of the rack
- Automation line with the automatic double-clippers of the FCA- and RCA-series
- High speed by simultaneous product take-over from two clipping machines
- For smoke sticks of 1000 mm length

Applications

The RL 1000 Ring Loader positions sausage rings onto smoke sticks without any operator intervention and loads the rack reliably and quickly. The RL 1000 performs with the automatic machines of Poly-clip System's FCA- and RCA-series. The machine processes ring sausages in natural casings of 46+ mm or in plastic and collagen casings.

Advantages

- Loads and positions up to 12 smoke sticks per minute or up to 6.600 rings per hour
- Up to 50% more products on the smoke stick by pre-sorting into caskets with always equal product distance for maximum load of the rack
- Higher load of the smoking chamber, increased product flow, remarkable reduction of production cost
- Increase of efficiency – simultaneously processes the output of several clipping machines

- Automatic feed of smoke sticks
- Simply to integrate into the production processes
- Design and construction meet current HACCP requirements
- Robust, compact stainless steel construction for long-lasting economic and technical life
- Operational safety due to simple and solid construction
- Easy access for cleaning and maintenance
- Independent control, in a water-tight switch box, can communicate with the clipping machine
- The loading position within the rack is programmable
- Suitable for a large number of racks
- The rack can be exchanged during loading of a new level
- The smoke trolley is secured during loading

Optional Equipment

- Product specific caskets for pre-sorting
- Adjustable conveyor belts to perform with several automatic clippers

Function and Operation

The RL 1000 performs with one or more FCA or RCA double-clippers and forms a continuous production line. Product from the conveyor belt of the clipping machine is automatically taken over to the supply belt of the RL 1000. In the Ring Loader, the rings are pre-sorted into caskets with clip and string oriented upwards and positioned onto the smoke stick. The filled smoke stick is automatically placed into a product buffer. Then a complete level is placed into the rack. The rack is lifted and after refilling the buffer the next level is placed. This ensures continuous loading of the rack. The RL 1000 enables clear reduction of manufacturing costs by streamlining of the cooking and smoking processes.

Technical data

Width:	3.800 mm
Depth:	2.780 mm
Height:	3.895 mm
Weight:	2.500 kg
Three phase current connection:	400 V
Power input:	10 kW
Fuse connection:	20 A
Compressed air:	6 bar/0,6 MPa
Air consumption:	3,5 NL

Pre-sorting into caskets

