

AHL

Automatic Hanging Line



innovative · reliable · leading

poly-clip[®]
SYSTEM

- Automatic positioning of looped products on the smoke stick at high throughput rates
- Efficiency through reduced workforce at the filling line
- Optimum utilization of smoking and cooking plant capacity

Applications

The AHL Automatic Hanging Line links directly to the defined clipping-machines of Poly-clip System's FCA series. Common smoke sticks, made of metal or plastic, appropriate for automation can be used. Looped products in the calibre range 24 - 100 mm are highly efficient positioned on the smoke stick – continuously, accurately and in a high positioning rate.

Advantages

- Increased output and at the same time cost saving on manpower
- Wide range of applications for a variety of looped products
- Continuous loading – clipper does not slow down or interrupt when the next smoke stick is loaded
- Processes straight smoke sticks up to 33 mm diameter appropriate for automation
- The number of loops per stick (single chubs or chains) can be freely selected, calibre dependent, between 6 and 38 and can be saved and retrieved in EASY TOUCH
- Discharge buffer for 6-12 loaded sticks, depending on the diameter, manual lifting
- Robust and compact design, low-wear for large, heavy products and permanent load
- Hygienic design made of stainless steel
- Easy cleaning without uncoupling from the FCA
- Centralised lubrication for maximum reliability and long service life

- Freely selectable stick length 800 - 1,220 mm
- Maximum single weight 3.5 kg, minimum weight 0.2 kg
- Length of single chub incl. loop 650 mm
- Length of chains incl. loop 880 mm
- Up to 85 loops per minute for single chubs, for chains even more, depending on the product
- Manual stick feed up to 25 empty sticks, front-loading
- Maintenance- and service-friendly with few wear parts
- Highly dynamic, powerful servodrives

Optional equipment

- Manual stick feed, rear-loading
- Automatic product settling at high speeds
- Cleaning system for conveyor and spindle

Combinability

ASL-R – maximum efficiency thanks to robot-controlled, fully-automatic discharge of filled sticks and positioning in the smoke trolley with the ASL-R at rate of 7 sticks per minute

Function and operation

The AHL is connected mechanically and electrically to an FCA. The smoke sticks are automatically taken from the stick loader and brought to the loading position. A special finger takes the product loop directly from the separating area of the FCA. The product is transported to the end of the conveyor and taken over by the AHL. The position of the loops is retrievable from EASY TOUCH recipe management. Precise positioning permits a higher loading density and thus optimum utilisation of the smoke sticks and of the smoking and cooking plant capacity.

Clip System Solutions

The complete system of clipping machine, clips and loops and automatic hanging line from one source ensures efficient, trouble-free production. The original clips from Poly-clip System guarantee top quality. The manufacture is subject to strictest quality standards, is certified to ISO 22000:2005 and ISO 9001:2008, tuned precisely to the production process and certified food-proof from the SGS INSTITUT FRESENIUS.

Technical data

Width*:	3,500 mm
Depth	
front-loading:	1,550 mm
with discharge buffer:	1,950 mm
Height:	1,550-1,750 mm
Weight:	1,750 kg
Three-phase current connection:	200-230 VAC, 380-460 VAC
	50/60 Hz
Power consumption:	14 kW
Fuse connection:	32 A
Compressed air:	6 bar/0.6 MPa
Air consumption:	3.5 NL/cycle

* with double-clipper

smoke stick profiles:

