

# AHL LS

## Automatic Hanging Line



innovative · reliable · leading

**poly-clip**<sup>®</sup>  
SYSTEM

- Automatic positioning of long looped products on the smoke stick at high throughput rates
- Efficiency through reduced workforce at the filling line with additional optional robot-controlled smoke trolley loading system
- Optimum utilization of smoking and cooking plant capacity

## Applications

The AHL LS Automatic Hanging Line works reliably and continuously linked directly to FCA 120/160 double-clippers and the robot-controlled, fully-automatic smoke-trolley loading system ASL-R. Common smoke sticks, made of metal or plastic, appropriate for automation can be used. Looped products in the calibre range 38 - 100 mm are positioned highly efficient on the smoke stick – continuously, accurately and in a high positioning rate.

## Advantages

- Increased output and at the same time cost savings on manpower
- Specialist for long products
- Continuous loading
- Smoke sticks suitable for automation up to max. 33 mm in diameter are used
- Number of loops per stick (single chubs or chains) between 6 and 38, depending on weight, retrievable from the EASY TOUCH
- Discharge buffer for 6-12 loaded sticks, depending on caliber
- Robust and compact design, low wear, built for constant load and long, heavy products
- Hygienic design in stainless steel
- Easy cleaning without uncoupling from the FCA

- Centralised lubrication for maximum reliability and long service life
- Own PLC controller in waterproof control box communicates with clipper and stuffer
- Freely selectable stick length 800 - 1,220 mm
- Maximum single weight per loop 1.5 to 8 kg, depending on casing quality and further process
- Length of single chubs or chains incl. loop up to 1,400 mm
- Up to 65 loops per minute for single chubs, for chains even more, depending on the product
- Manual stick feed up to 23 empty sticks, rear-loading
- Maintenance- and service-friendly with few wear parts
- Highly dynamic, powerful servo drive

## 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 LS 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 LS. The position of the loops is retrievable via 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. When the smoke stick is filled, it is moved to the discharge buffer while the AHL LS positions another empty stick in

the loading position. The loaded, heavy weight smoke stick is positioned into the smoke trolley, e.g. thanks to a robot-controlled loading system at high throughput rates.

## 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 safe by the SGS INSTITUT FRESENIUS.

### Technical data

Width*:	5,400-5,800 mm
Depth:	
rear loading	1,780 mm
with discharge buffer	2,250 mm
Height:	2,100-2,300 mm
Weight:	2,200 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:

