

AHL

Automatic Hanging Lines



innovative · reliable · leading

poly-clip[®]
SYSTEM

- Automatic positioning of looped products on the smoke stick
- Efficiency through reduced workforce at the filling line
- Optimum utilization of smoking and cooking plant capacity
- Automation line with defined automatic double-clippers of the FCA series

Applications

The automatic hanging lines of the AHL series links directly to defined clipping-machines of Poly-clip System's FCA series. All common smoke sticks, made of metallic or plastic, appropriate for automation can be used. Looped products are highly efficiently positioned on the smoke stick - continuously, accurately and in a high positioning rate. The AHL production adapts the speed of the clipping-machine - depending on the model with up to 100 loops per minute.

Advantages

- Wide range of applications - AHL serie for a variety of looped products, FCA-dependent
- 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, depending on calibre, between 6 and 38 and it can be saved and retrieved in EASY TOUCH without any mechanical changes
- 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
- Own PLC controller in waterproof control box communicates with clipper and stuffer

AHL

- Freely selectable stick length 800 - 1,220 mm
- Product diameter min. 24 mm to 100 mm maximum
- Minimum weight 0.4 kg per loop
- Maximum single weight 3.5 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
- Easy to maneuver on 4 wheels, height-adjustable

AHL LS - reliable and continuous positioning of long products



AHL HS

- Freely selectable stick length 800 – 1,160 mm
- Product diameter min. 22 mm to 60 mm maximum
- Minimum weight 0.2 kg per loop
- Maximum single weight 3.5 kg
- Length of single chub incl. loop 800 mm
- Length of chains incl. loop 800 mm
- Up to 100 loops per minute for single chubs, for chains even more, depending on the product
- Automatic product settling at high speed
- Manual stick feed up to 25 empty sticks, front-loading

AHL LS

- Freely selectable stick length 800 – 1,220 mm
- Product diameter min. 38 mm to 90 mm maximum
- Minimum weight 1.5 kg per loop
- Maximum single weight 8.0 kg depending on casing and process
- Length of single chub incl. loop 1,400 mm
- Length of chains incl. loop 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

Optional equipment

- The ASL-R offers fully automation and leads to maximum efficiency at a lift of 6 sticks per minute

AHL

- Manual stick feed, rear loading
- Manual or automatic product settling system for high speed
- Dry sausage spray device
- Weight check gate



The AHL HS – the high speed specialist

- Cleaning system for conveyor and spindle

AHL HS

- Manual stick feed, rear loading

Function and operation

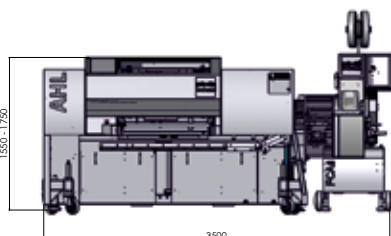
The AHL is connected mechanically and electrically to an FCA. The smoke sticks are automatically taken from the stick loader and brought to the loading position. A special finger takes the product loop directly from the separating area of the FCA. The product is transported to the end of the conveyor and taken over by the AHL. The products are placed automatically on the smoke stick at uniform, preselected intervals. When the smoke stick is loaded, it is moved to the discharge buffer while the AHL places another empty stick in the loading position. The discharge buffer provides a capacity of 6 to 12 sticks.

Clip System Solutions

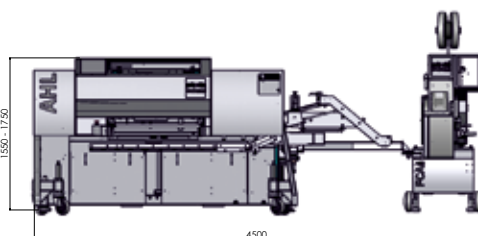
The complete system of clipping machine, clips and loops and automatic hanging line from one source ensures efficient, trouble-free production.

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 and tuned precisely to the production process. The patented, food-proof, safety coating using Poly-clip SAFE-COAT technology, certified by the SGS INSTITUT FRESENIUS organization, ensures trouble-free production and a no-worry product warranty. Poly-clip System is the world's leading provider of Clip System Solutions.

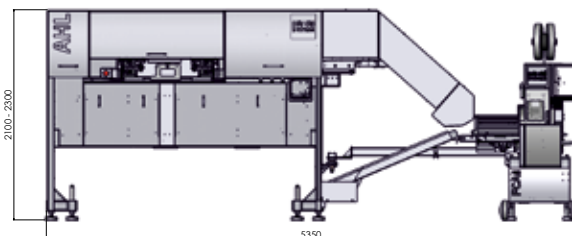
AHL



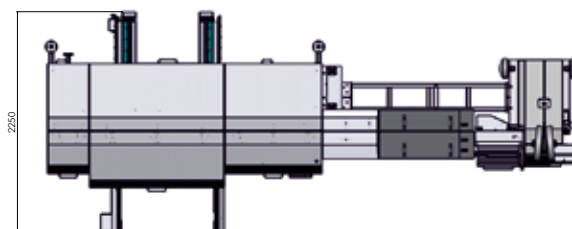
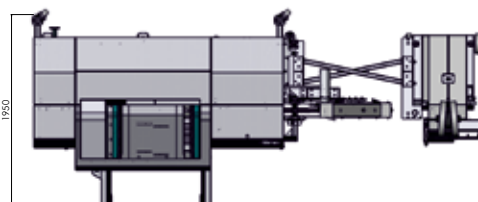
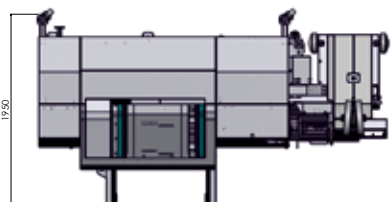
AHL HS



AHL LS



Front view



Top view

	AHL	AHL HS	AHL LS
Width:	3,500 mm	4,500 mm	5,350 mm
Depth (front loading):	1,550 mm	1,550 mm	
Depth (rear loading):			1,780 mm
Depth with discharge buffer:	1,950 mm	1,950 mm	2,250 mm
Height:	1,550-1,750 mm	1,550-1,750 mm	2,100 - 2,300 mm
Weight:	1,750 kg	1,850 kg	2,200 kg
Three-phase current connection:	200-230 VAC, 380-460 VAC, 50/60 Hz		
Power input:	14 kW	14 kW	14 kW
Fuse connection:	32 A	32 A	32 A
Compressed air:	6 bar/0.6 MPa	6 bar/0.6 MPa	6 bar/0.6 MPa
Air consumption:	3.5 NL/stick	3.5 NL/stick	3.5 NL/stick
Recommended loop:	GS 20 X	GS 20 X	GS 20 X3

AHL-GB-04/13-HA Subject to technical modifications.

