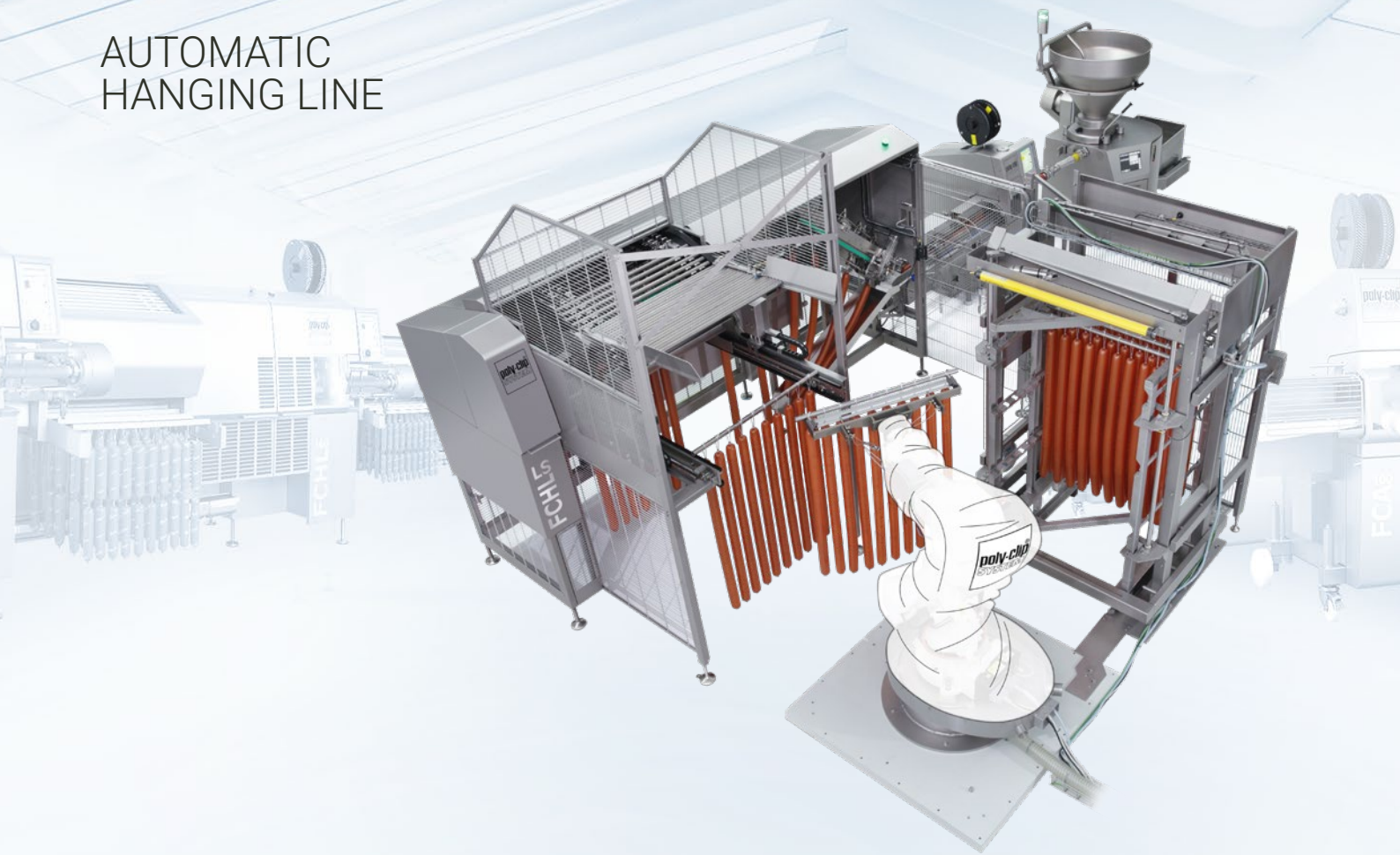


# FCHL LS

## AUTOMATIC HANGING LINE



### Why work with FCHL LS?

The FCHL LS Automatic Hanging Line works reliably and continuously linked directly to FCA 160 double-clippers and the robot-controlled, fully-automatic smoke trolley loading system ASL-R (optional). Looped products in the calibre range 38 to 100 mm are positioned highly efficient on the smoke stick – continuously, accurately and in a high positioning rate. The precise positioning allows a higher loading density.

### Slicing logs specialist

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

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# DETAILS

## Advantages

- Increased output and at the same time cost savings on manpower
- Specialist for long products
- Continuous loading
- In combination to the robot-controlled ASL-R, fully-automatic discharge of filled sticks and positioning in the smoke trolley at a rate of 6 sticks per minute.
- Smoke sticks suitable for automation at up to 34 mm in diameter are used
- Number of loops per stick (logs or chains), between 6 and 29 pieces, depending from stick length and calibre
- Number and position of loops per stick retrievable from recipe management
- Discharge buffer for automatic removal with ASL-R
- Line control of hanging machine and ASL-R via SAFETY TOUCH of clipping machine
- Freely selectable stick length from 800 to 1,250 mm
- Maximum single weight per loop 1.5 to 8 kg, depending on casing quality and further processing
- Length of single chubs or chains incl. loop up to 1,400 mm
- Up to 65 loops per minute for single chubs

- Manual stick feed up to 24 empty round sticks, rear loading
- Highly dynamic, energy-efficient servo drive, infinitely adjustable speed
- Consumption-oriented central lubrication for maximum reliability and service life

## Quality and hygiene

- Construction and design compliant to EC Machinery Directive 2006/42/EG
- Hygienic design in stainless steel for fast and thorough cleaning
- Robust and compact design, low wear, built for constant load and long, heavy products



# DETAILS

## Maintenance

- Maintenance- and service-friendly with few wear parts

## Equipment options


- Customized smoke stick magazine
- Loop setting for precise positioning at high speed
- Sanitary catch bin
- CIP system for machine spindle
- Remote maintenance module
- Intelligent Filler Clipper (IFC) Interface upon request

## Possible combinations

### 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 a rate of 6 sticks per minute. The combination of FCHL with ASL-R increases the output rate once again by up to 10 % with additional reduction of the manpower requirement by up to 40 %.

## Consumables

- R-ID Clip: M, L, XL
- Loops: GS 20 S3 L14, GS 20 S4 L14
- Stick profiles: 

## Function and operation

The FCHL 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. While the portion is closed with clips and the loop is set, a special finger takes the looped product directly from the separating area of the double-clipper and positions it automatically on the smoke stick. When the stick is full, it is moved to the discharge buffer, while another empty stick is positioned for further loading. The loaded smoke stick is positioned into the smoke trolley by the ASL-R robot-controlled loading system or with a customer-supplied lifting device. Meanwhile, the production is running continuously.

# TECHNICAL DATA

Width  
**6.200 mm**

Depth  
**4.800 mm**

Height  
**2.500 mm**

Weight  
**2.200 kg**

Three-phase current  
connection  
**200 – 240 VAC,  
380 – 460 VAC,  
50/60 Hz**

Power input  
**14 kW**

Fuse connection  
**32 A**

Compressed air  
**5 – 7 bar /  
0,5 – 0,7 MPa**

Air consumption  
**1,2 NL/Cycle**

Dimensions, weight and consumption values vary depending on the equipment and/or machine configuration.

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