

ASL-R

AUTOMATIC SAUSAGE LOADER



Poly-clip System Features

- ★ 5-in-1 system (clipping, loop setting, hanging, positioning and smoke cart loading by robot)

Why work with ASL-R?

Continuous placing of loaded sticks in the smoke trolley. Versatility in the calibre range up to 100 mm, product/chain length including loop up to 1.400 mm. FCHL/ASL-R line – continuous automation for clipped and looped products.

40 % productivity increase

- Efficient loading of smoke trolleys with sticks up to 1,250 mm length
- Automation line consisting of ASL-R and FCHL Automatic Clipping/Hanging Machine or ASL-R and FCHL LS Automatic Hanging Line
- Continuous production
- Fully automated FCHL unloading and smoking trolley loading
- Turnkey – everything from a single source
- Optimised smoking trolley loading
- Quick-change of loading patterns
- Smoke trolley dependent loading patterns
- Compact, space-saving design
- Maximum safety standards
- Individual planning and project development of customer-specific solutions

Excellence in Clipping



DETAILS

Advantages

- Supports a fully automatic, optimally synchronized production process consisting of: emulsion processing line, filling machine loading, clipping unit, hanging line, smoke trolley loading, thermal processing/drying installation
- Flexible positioning of smoke trolley racks
- Smoke trolley dependent loading patterns
- Efficient production without interruptions
- Minimum staff requirement for operation of the complete FCHL/ASL-R line in multishift operation
- Take-over of at least one loaded stick from the automatic hanging line or the automatic clipping/hanging machine and positioning in the smoke trolley
- Up to 6 sticks are positioned per minute
- Smoke stick loading weight up to 40 kg, depending on the material
- Continuous production – when the first smoke trolley is full there is an automatic change to the next smoke trolley which is then loaded
- Stick profile specific grappler
- Data link to customer's PDA (production data acquisition) system, ASL-R control with Ethernet interface to FCHL
- Low maintenance for maximum reliability and service life

Quality and hygiene

- Hygienic design industrial standard IP 67 and protection cover with overpressure blower, complying with the strict regulations of the food industry, allows for easy cleaning

Equipment options

- Safety device (safety fence) complies with current safety guidelines – CE conformity for entire plant

Consumables

- Stick profiles: 

Customised project planning

- Review of actual situation on site and potential analysis for optimised product flow
- Programming of the line
- Only three basic data – calibre, product length, geometry of smoke trolley (spacing, height, depth) as product parameters in SAFETY TOUCH – further calculation in ASL-R's control
- Teach-in operation (teaching) for positioning of units and easy commissioning
- Customer's smoke trolleys and smoke sticks can be used if they are of automation quality
- Set-up, commissioning and assistance during start of production
- Training and documentation



TECHNICAL DATA



Width

Customised on request

Depth

Customised on request

Height

Customised on request

Weight

Customised on request

Three-phase current connection

**380 – 460 VAC,
50/60 Hz**

Power input

16 kW

Fuse connection

32 A

Compressed air

**5 – 7 bar/
0,5 – 0,7 MPa**

Air consumption

3,5 NL/Cycle

Operation range

**2.550 mm or
2.050 mm**
Load capacity 40 kg or 60kg,
depending on robot type

Handling Capacity

**Traglast
40 kg or 60 kg,**
depending on robot type

Grappler load

20 – 40 kg
depending on robot type

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