

TLS

Transfer Loading System



innovative · reliable · leading

poly-clip[®]
SYSTEM

- Transfer Loading System for automatic smoke trolley loading, especially for heavy and long products cooked or cured hanging
- Efficiency through reduced manpower at the filling line
- Optimum utilization of smoking and cooking plant capacity
- Automation line with the FCA 160 automatic double-clipper

Applications

The Transfer Loading System TLS connects directly to Poly-clip System's FCA 160 double-clipper. All common smoke sticks, made of metal, straight and suitable for automation can be used. Looped products are efficiently positioned on the smoke stick – continuously, accurately and at a high positioning rate. Then the products are gently and automatically loaded into the smoke trolley. The TLS works continuously at up to 30 loops/minute.

Advantages

- Specialist for heavy and long products that are initially handled horizontally, as usual
- Fully integrated and automatic smoke trolley loading
- Reliable production due to gentle handling – no dynamic stress on clip, loop or casing
- Processes straight smoke sticks up to 33 mm diameter suitable for automation
- The number of loops per stick (single chubs or chains) can be chosen between 6 and 16 depending on the caliber
- Every setting can be saved and recalled with our SAFETY TOUCH – no change in the mechanical set-up necessary
- Robust and compact design, low-wear, for large, heavy products and permanent load
- Hygienic design made of stainless steel



- Freely selectable stick length 800 – 1,220 mm
- Product diameter min. 50 mm to 120 mm maximum
- Up to 30 pieces per minute for single chubs, for chains even more, depending on the product
- Weight per loop 2.0 kg minimum and maximum 9.0 kg, depending on casing and process
- Total load per stick up to 60 kg
- Length of single chub or chains up to 1,600 mm incl. loop – customized solutions possible
- Manual stick feed up to 27 empty sticks from the rear
- Centralized lubrication for maximum reliability and long service life
- Data link to customer's PPS and PDA system is available
- Customized remote service option

Function and operation

The TLS is mechanically and electrically connected to the FCA 160. The smoke sticks are automatically picked up from the rear stick loader and moved to the loading position. The conveyor belt transports the looped product from the clipping machine to the cassette while the loop slides on the

smoke stick. When the cassette has reached its final position, the linear lift gently moves the loaded smoke stick into the smoke trolley loading station. Once the defined amount of smoke sticks is reached, they are gently positioned in the smoke trolley. The products can be stored in one or more layers. The smoke trolley can be replaced during operation.

Technical data

Width:	4,900 mm
Depth:	4,300 mm
Height:	2,800 mm
Weight:	6,200 kg
Three phase current connection:	400 V
Power consumption:	15 kW
Fuse connection:	32 A
Compressed air:	6 bar/0.6 MPa
Air consumption:	240 NL/min.