

TSCA 120

AUTOMATIC SEALING/CLIPPING MACHINE



Poly-clip System Features

- ★ Automatic adjustment and displacer of clip pressure
- ★ Automatic monitoring of clip and die (RFID)

Why clip with TSCA 120?

The TSCA Automatic Sealing/Clipping Machine processes flat film from a roll into a ready-to-fill tube which is securely closed by the integral clipping unit. All commonly used films, coated or uncoated, as well as laminates can be processed. The film rolls used can be up to 3,000 metres long.

Gain in efficiency

- Sealing and clipping with one machine
- Fully automatic, self-monitoring processes
- For chubs in the calibre range of 18 to 120 mm
- Up to 200 cycles per minute in continuous mode
- Easy-open film for snack products

Excellence in Clipping



DETAILS



Advantages sealing

- Significant cost reduction through moderately priced flat roll stock film vs. shirred casings
- Continuous production (reloading of film vs. up to 100 times reloading of casings)
- Optimum use of material due to minimum overlap of film at the seam
- Considerably less waste compared to cartridges and other packaging (e.g. thermoformed packaging, plastic cups)
- Less storage area required for input stocks
- Shorter fitting times for a wide variety of pack sizes, thanks to quick-change format set
- Extended product shelf life
- Greater flexibility in marking due to in-line printing
- Continuous adjustment of temperature and sealing speed with SAFETY TOUCH during continuous production

Advantages clipping

- A unit that guarantees tight sealing of film and secure clip closure
- Simple machine operation with SAFETY TOUCH – shockproof, 10" large and easy to clean
- Highest productivity; product parameters can be recalled from the SAFETY TOUCH recipe management
- Automatic, self-monitoring processes for maximum productivity by recognition of clip size, die, size of separator hole and clip pressure setting
- R-ID clip – tighter clip closure, even up to bacteria-proof, depending on the film
- Sensors monitoring the end of film and of clip supply on the reel
- Very smooth running at high cycle speeds, even during continuous operation
- Portioning or length filling
- Short, clean sausage tails due to voiding separator
- Product-specific speed control
- Training, handling, maintenance and service simple and user-friendly

Quality and hygiene

- Increased hygiene due to the use of flat films instead of watered casings
- Easy to clean, closed system, only one part product-carrying (stuffing horn)
- Stainless steel provides resistance to aggressive cleaning solutions



The TSCA SAFETY TOUCH panel: simple and clearly laid out

Equipment options

- Automatic looper GSA 20, loop left
- Consumption-oriented central lubrication for maximum reliability and service life
- Pneumatic casing brake
- Print mark control for centred printing format
- Simple and safe marking of batches during production by continuous printing on flat film using an integral printer, e.g. ink jet, hot stamping, thermal transfer
- Strip sealing for processing 2-layer film
- Air-free loose filling of shaped products with overspreading; servo-supported
- Conveyor belts, variants to suit product and roller extension

- Vacuum system for air-free filling of large calibres
- Splice detection for attached films
- USB port for data import and export
- WS Food Standard interface for operational data acquisition
- Intelligent Filler Clipper (IFC) Interface upon request

Consumables

- R-ID Clip: S, M

Function and operation

The TSCA consists of a synchronised automatic sealing machine and double-clipper. This provides a continuous production line when a stuffer is used at the front end. Both production processes are operator-friendly and are easily programmable via the central SAFETY TOUCH panel. The PC control allows a very fast and accurate signal processing. On the SAFETY TOUCH display the diagnostic system provides a direct and clear indication of the machine's operational status as well as an analysis of filling and clipping times. The unit is operated via six membrane keys on the control panel.





The hot-sealing station of the TSCA provides reliable sealing.

The film roll is placed on a self-tensioning roll carrier. Uniform inlet tension of the film is achieved by the roller guide system. The forming shoulder forms the flat film around the stuffing horn into an open tube. The tube is then sealed lengthways with minimal overlap by heat sealing. For continuous production an integrated control circuit ensures that the automatic clipper always has sufficient shirred film available.

Clip System Solutions

The complete system of clipping machine, clips and loops from a single source ensures efficient and trouble-free production. Original clips from Poly-clip System guarantee the highest quality. Manufacturing is subject to the most rigorous quality controls. Certified in accordance with ISO 22000 and ISO 9001 they are designed to suit the production process perfectly. With its food-proof safety coating certified by the SGS INSTITUT FRESENIUS, Poly-clip SAFE-COAT technology

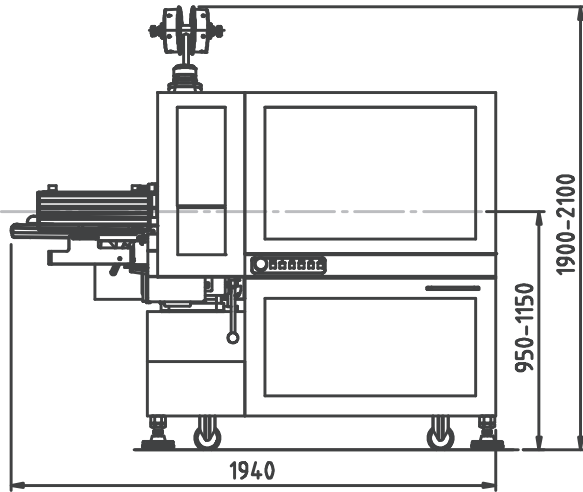
ensures trouble-free production and if required a no-worry product warranty. Poly-clip System is the world's leading provider of clip system solutions.



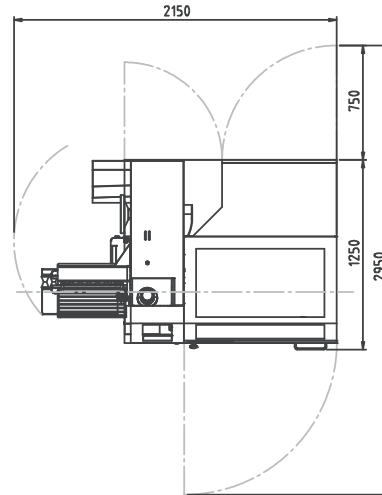
Product marking by printing directly onto the film

TECHNICAL DATA

Front view (dimension in mm)



Top view (dimension in mm)



Width
1.940 mm

Depth
**1.320 –
3.215 mm**

Height
**1.900 –
2.100 mm**

Weight
1.375 kg

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

Power input
6,8 kW

Fuse connection
16 A

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

Air consumption
2,5 NL/Cycle

Spreading
18, 26, 30 mm

Total spreading up to
80 mm

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

Excellence in Clipping

