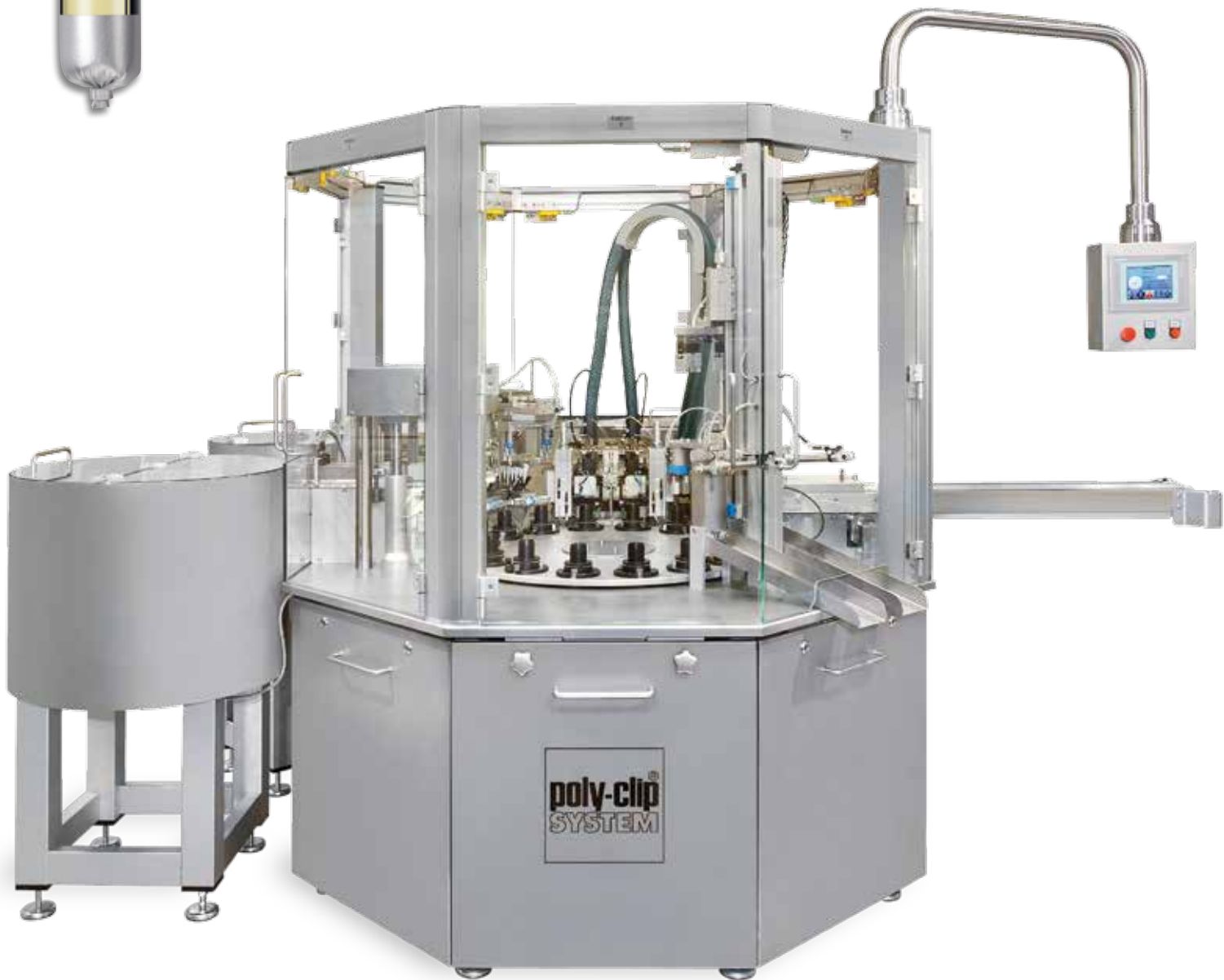


# CBS Food

## Cap Bonding System



innovative · reliable · leading

**poly-clip**<sup>®</sup>  
SYSTEM

- Automatic mounting of attachments creating the packaging unit clip-tube®
- For small packages starting at 50 ml with a diameter of 18 to 50 mm
- For multiple spreadable food applications
- Modular design
- A single comprehensive solution for your product in combination with the TSCA

**Applications**

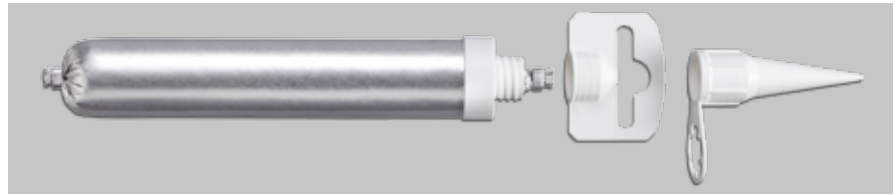
The Cap Bonding System finishes clip-tubes® enhanced from clip-paks®. clip-pak®s are tubular packages clipped on each end – a cost-effective packaging solution with minimal use of materials. A threaded end piece is bonded to the clip-pak® and forms a clip-tube® when completed by an application nozzle and closure system. With the CBS's modular set-up several attachments, e.g. end caps, peg-board/Euro hanger caps or extrusion nozzles can be attached. The clip-tube® is an affordable alternative to the tube.

**Advantages clip-tube®**

- Particularly suitable for spreadable food products such as liver sausage, soft cheese or mayonnaise
- Optimal packaging unit for easy portioning, decorating and attractive presentation
- Cost-effective alternative to tubes and less waste
- Winner of the German Packaging Award 2012

**Advantages CBS**

- Automatic, self-monitoring processes
- Product variety with a diameter range from 18 to 50 mm
- Up to eight work stations are possible
- Electrically driven rotary disc with 16 collets



One possible combination of attachments applied by the CBS: re-sealable clip-tube® with threaded end piece, screw cap with Euro hanger and extrusion nozzle

- Easy conversion to different product diameters and lengths by quick replacement of the collets
- Process reliability, integrated controls monitoring the mounting process
- Continuous production – oscillating bowl feeder on stations two through seven ensures attachments are separated and correctly positioned
- Central display, movable for reliable process control
- Simple navigation through easy touch panel
- Program management of product-specific parameters
- Ethernet interface for data logging, remote maintenance and diagnoses
- Safety and hygiene – through corrosion-free materials and integrated safety covers

**Optional equipment**

- Product discharge via conveyor belt
- Further work stations and oscillating bowl feeders adapted to quantity and application

**Function and operation**

PLC controlled and servo driven, the CBS consists of a rotating disc and up to eight work stations. The clip-pak® is conveyed horizontally from the TSCA to the CBS. Each clip-pak® is then positioned vertically and fixed in the collet. Program controlled, the rotating disc transfers the package to the corresponding work station. At each work station, a single component is attached on to the clip-pak®, thus forming a clip-tube®. The modular design

allows variable functions on stations three through eight.

**Clip System Solutions**

The complete system of CBS, sealing/clipping machine, clips and loops 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.

Technical data	
Width:	approx. 3,200 mm
Depth:	approx. 2,500 mm
Height:	approx. 2,200 mm
Weight:	1,700 kg
Three phase current connection:	380-460 VAC, 50/60 Hz
Power input:	7.5 kW
Fuse connection:	32 A
Compressed air:	6-10 bar/0.6-1.0 MPa
Air consumption:	700 NL/cycle