

FCA 3430 & 3430-18

Automatic Double-Clipper



innovative · reliable · leading

poly-clip[®]
SYSTEM

FCA 3430 & 3430-18

- EASY TOUCH for easy and comfortable operation
- Robust stainless steel design ensures long machine life

FCA 3430

For a range of calibres from 24 to 90 mm and up to 200 cycles per minute

FCA 3430-18

For a range of calibres from 24 to 120 mm and up to 150 cycles per minute

Applications

FCA 3430

The automatic double-clipper FCA 3430 closes all fibrous and collagen casings from calibre 24 to 65 mm, plastic casings up to 90 mm. This flexibility is achieved by a fast conversion of the clip size from 12 to 15 mm and of the voiding distance from 18 to 26 or 30 mm. Additional overspreading can be supplied for air-free and loose filling of moulded products resulting in a total spreading of 130 mm.

FCA 3430-18

The FCA 3430-18 offers unsurpassed versatility for an automatic clipper. It closes all plastic, fibrous and collagen casings. The calibre range goes from 24 to 90 mm and to 120 mm for plastic casings. This high flexibility is achieved using a larger separator and by rapid change of the clip sizes from 12 to 15 or 18 mm and of the voiding distance from 26 to 30 or 36 mm. The automatic looper (GSA) allows loops to be clipped on simply and securely so that the sausages can be hung up.

Advantages

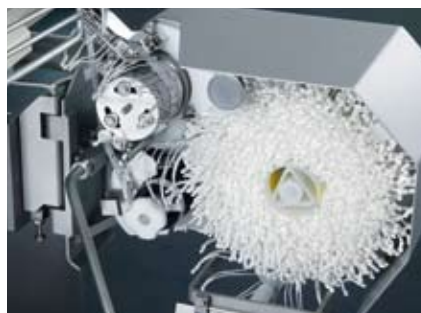
- Highest cycle number individually adjustable in five speeds, depending on product
- Stainless steel allows the use of the strongest cleaning solutions
- Highest product versatility with the special FCA 3430-18 version for large calibres

- Easy machine operation with the graphical user interface EASY TOUCH
- Product parameters can be recalled from program memory
- Continuously variable conveyor or belt speed
- Clean sausage tails due to optimised voiding separator
- Easy handling
- Low-fatigue operation through automatic swivelling and pneumatic swing-on assistance
- External reproducible clip pressure adjustment
- Safety for the operator by two-hand triggering of the first clip
- Easy to manoeuvre with front wheel
- Smooth surfaces, without external screws, for easy cleaning
- Completely enclosed switch cabinet ensures fault-free electronics
- Low noise operation
- External exchange of cam rollers

Optional equipment

- Automatic looper GSA, retractable
- String dispenser
- Casing end switch
- Pneumatic and pneumatically moving casing brake
- Print mark control
- Clip monitoring
- Swivel horn or twin turret
- Length portioning by means of photocell
- Roller conveyor, roller extension and chub tray

Automatic looper GSA:
Tape-less loops are applied



- Variable power conveyor with double belts, adjustable
- Labelling system ES 5000
- Clip coding
- Shaping conveyor
- Overspreading up to 130 mm for air-free and loose filling

Function and operation

The FCA is connected mechanically and electrically to the stuffer. The voiding separator provides portions of precise weight which are clipped as single sausages or rings. Trend-setting safety standards at commencement of production are guaranteed by the two-handed operation required to trigger the first clip. EASY TOUCH means simple and convenient machine operation. The operating concept is based on a touch screen. This graphical user interface makes machine control easier. The operator is guided intuitively through the flat menu structure with informative icons and can easily control the complete machine at the touch of a finger.

The alternative to the swivel horn –
FCA 3430-18 with twin turret





Easy machine operation with the graphical user interface EASY TOUCH

The product programs' set of parameters can be very easily managed with EASY TOUCH and the machine settings speed up product change rapidly. The menu contains among others the functions for the cut-off knife counter, loop, number of portions per casing and label, as well as speed control and the setting for the pneumatic casing brake. Operator and service level are clearly separated from one another with the service level being password protected.

FCA 3430

The automatic double-clipper is controlled electronically via a PLC and servo-frequency converter and uses a wear-resistant drive.

FCA 3430-18

The highly dynamic servo drive of this FCA makes the much greater product range possible. The powerful separator with the large separator opening safely processes calibres up to 120 mm. This large range is possible as all clip sizes can be used with this machine.

Combinability

TSA 120 & 200 – seals a ready-to-fill tube of flat roll stock film in-line

AHL – automatic hanging of looped products

ES 5000 – labelling system for marking and traceability.



Three reel clip series in one machine – maximum product variety with maximum speed



Product identification: coloured clips & loops and clip-coding



A further method of product identification: inline printed labels

Clip System Solutions

The complete machine, clip and loop system from one source ensures efficient, trouble-free production. The Original Clip from Poly-clip guarantees top quality. Manufactured to strictest quality standards, certified to ISO

9001:2000 and tuned precisely to the production process. The patented genuine, food-proof, safety coating using Poly-clip SAFE-COAT technology ensures trouble-free production and a no-worry product warranty. Poly-clip System is the world's leading provider of Clip System Solutions.

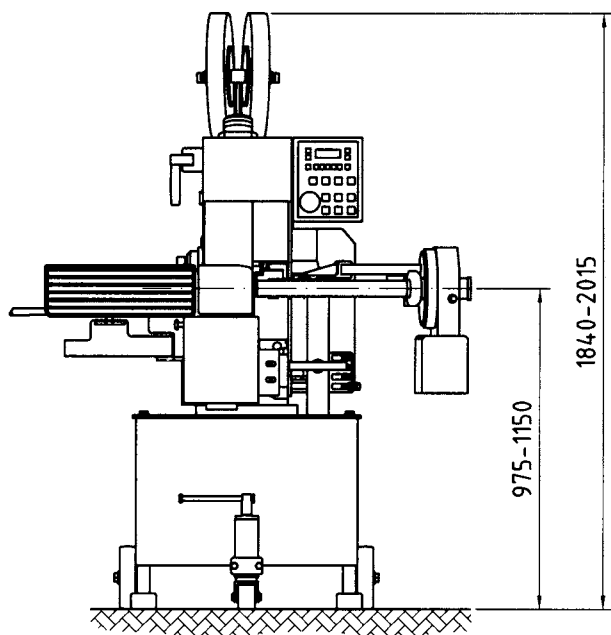
Up to 2,000 m nonstop – in combination with the TSA automatic sealing machine



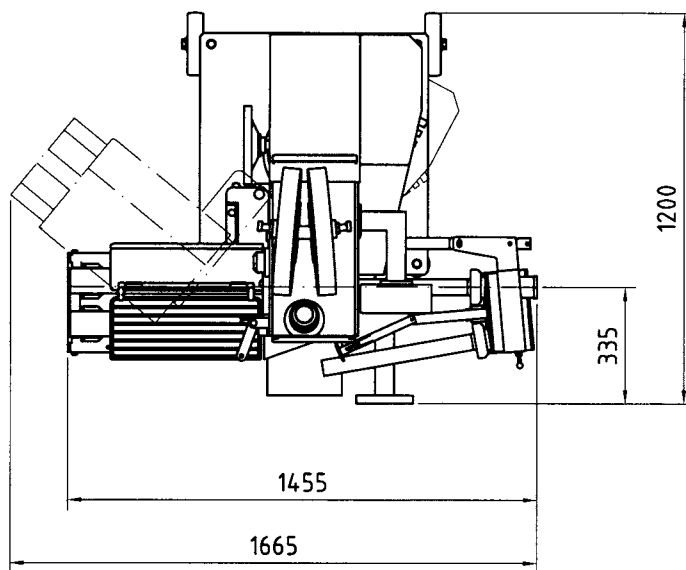
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Dimensions (in mm)

Technical data



Front view



Top view

Width:	1,455-1,665 mm
Depth:	1,200 mm
Height:	1,840-2,015 mm
Weight:	570 kg
Three-phase current connection:	200-230 VAC, 380-460 VAC, 50 or 60 Hz
Power input:	2.8 kW
Fuse connection:	16 A
Compressed air:	5-7 bar/0.5-0.7 MPa
Air consumption:	1.6 NL/cycle

FCA 3430-18-GB-02/09-HA Subject to technical modifications.

