BALLERSTAEDT
... protecting your products

For your eyes only!

Your specialist for sealing technology

Polynette III and Polymat HD III
economical manual sealing devices

Polynette III

Economical manual sealing device for all sorts of plastic containers.

Features
- Pendulum sealing head in V2A with circular heating element
- Container centering
- Variable height adjustment
- Heat screen
- Temperature control

Technical specifications
- Electrical connection data
  – Voltage: 230 V, 300 W
  – Power frequency: 50/60 Hz
- Sealing data
  – Sealing head: 80 mm or 100 mm (up to max. 130 mm on request)
  – Sealing temperature: 100 – 300 °C
  – Max. container height: 265 mm (special heights on request)
  – Sealing capacity: approx. 400 pc/h

Dimensions and weight
- (WxDxH) 350 x 270 x 690 mm
- Weight: approx. 14 kg

Polymat HD III

The manual sealing device HD III is especially suited for sealing large volume plastic containers and container openings.

Features
High-performance single-hand sealing head
Digital temperature control with error messaging
Table-top support with hanging device

Technical specifications
- Electrical connection 220 V/200 W
- Frequency 50/60 Hz
- Sealing head diameter 100 mm (special diameters on request)

Dimensions and weight
- (WxDxH) 300 x 300 x 450 mm
- Weight: approx. 3.8 kg

PolyCos PN

semi-automatic sealing device

PolyCos PN

Semi-automatic sealing device, suitable for sealing plastic and glass containers.

Features
- Electro-pneumatic, high contact pressure (e.g. for sealing glass)
- Pressure control
- Height adjustment
- Pendulum sealing head made of V2A

The digital control system included provides optimum operational ease with
- Temperature control with target / current status matching
- Sealing time adjustment
- 4 adjustable operating programs
- Production counter (per hour / total)
- Error messaging

Technical specifications
- Electrical connections
  - Voltage: 230 VAC
  - Power frequency: 50/60 Hz
  - Nominal current: 2.5 A
  - Power consumption: 1 KW
  - Compressed air connection: min. 4 bar

- Sealing parameters
  - Sealing head: 100 x 100 mm
  - Max. stroke: 25 mm
  - Sealing power: approx. 1.5 kN
  - Sealing time: 0.5 - 10 sec
  - Sealing temperature: 100 - 300 °C
  - Sealing performance: approx. 300 - 500 pc/h

Dimensions and weight
- (WxDxH) 220 x 455 x 385 mm
- Weight: 14 kg

Polymat Twin

semi-automatic foil application and sealing device

Polymat Twin

Positioning, feeding, and conveying of containers is done by means of a roller guided sledge with end stops.

1. Dispenser system
With pre-sealing for the automatic application of stackable seals.

Features
- Pneumatic design
- Fixing of seals by two-point pre-sealing
- Vacuum suction nozzle
- Electronic and pneumatic control incl. temperature control
- Variable height adjustment

2. Sealing unit
Technical specifications
- Pendulum sealing head made of V2A
- Electro-pneumatic, high contact pressure (e.g. for glass container sealing)
- Pressure control
- Variable height adjustment

The included digital control system for both devices provides optimum operating ease, such as:
- Temperature control with target / current status matching
- Sealing time adjustment
- 4 adjustable operating programs
- Production counter (per hour / total)
- Error messaging

Electrical connection
- Voltage: 230 VAC
- Power frequency: 50/60 Hz
- Nominal current: 2.5 A
- Power consumption: 0.3 kW
- Compressed air connection: min. 4 bar
- Air consumption: 6 m³/h

Sealing parameters
- Sealing head: 100 mm (special sizes on request)
- Max. stroke: 25 mm
- Sealing power: approx. 1.5 kN
- Sealing time: 0.5 - 10 sec
- Sealing temperature: 100 - 300 °C
- Sealing capacity: approx. 500 - 700 pc/h

Dimensions and weight
- (WxDxH): 800 x 540 x 920 mm
- Weight: 60 kg

Note: Both devices (dispenser unit Polymat Variodis and sealing unit Polymat Varioseal) are also available individually.

BaCo 1800

Fully automatic foil application and sealing machine

BaCo 1800

Fully automatic foil application and sealing machine with a performance of up to 1,800 pc/h, suitable for plastic, sheet metal and glass containers and containers.

The system consists of the following components

- Mobile base
- Feed conveyor with feeding control of the containers
- Synchronised star wheel stand with receptables as format parts
- Adjustable outer ring for guiding the container through the process with 30 - 110 mm Ø
- Foil magazine for stacking pre-cut aluminium seals
- Pneumatically driven foil applicator with precise and maintenance-free 180° reverse gear for picking the seals from the magazine and placing them on the sealing edge and fixing by the pre-sealer.
- Sealing station for sealing the container with complete regulation of temperature, pressure and time for an optimum result with the best sealing parameters (conductive or inductive)
- Exit conveyor for sealed containers
- Central height adjustment of the magazine plate to adapt to the respective container height (max. 200 mm)
- All-over protective coating
- Operating panel with E-supply

Technical specifications

- Electrical connections
  - Voltage: 3 ~ 400 V, +6/-10 % max.
  - Power frequency: 50 Hz
  - Nominal current: 2.5 A
  - Power consumption: 0.3 kW
  - Pressurized air connection: min. 6 bar
  - Air consumption: 7.2 m³/h
- Sealing parameters
  - Sealing head: 100 mm (special sizes on request)
  - max. stroke: 25 mm
  - Sealing power: approx. 1.5 kN
  - Sealing time: 0.5 - 10 sec
  - Sealing temperature: 100 - 300°C
  - Sealing performance: up to 1,800 pc/h

Dimensions and weight

- (WxDxH): 650 x 800 x 2.000 mm
- Working height: 950 mm
- Weight: approx. 300 kg

BaCo 2500 VarioSpeed

fully automatic filling,
foil application and sealing machine

BaCo 2500 VarioSpeed

Fully automatic filling, foil application and sealing system, suitable for creamy to liquid filling media for containers made of plastic, glass and metall. This system is available in three performance versions:
2,500 pc/h, 3,000 pc/h or 3,500 pc/h

Features
- complete transport format set
- 8-step clocked jar transport with mechanical overload coupling
- Electrical connections for the integration of an inductive sealing unit (see options)
- Filler unit with a rotary slide dosing unit
- 40 l filler funnel
- Volume adjustment range by means of manual wheel (1:4)
- Dispenser with pre-sealing unit
- Thermal, conductive sealing unit
- Manual / mechanical central lubrication
- Integrated conveyor belt
- Protective glazing in aluminium / Makrolon®
- Central, continuous height adjustment of conveyors and guides by means of a manual wheel
- Integrated Siemens S7 PLC

Options
- Inductive sealing unit, incl. generator and solenoid, 500 W
- Compensator (2 or 6 litres)
- Feeder conveyor with UV lamp for low-germ irradiation
- Electronic volume adjustment

Technical specifications
- Electrical connections
  – Voltage: 3 ~ 400 V, +6/-10 % max.
  – Power frequency: 50 Hz
  – Connection cable: 5 x 2.5 mm²
  – Circuit breaker / fuses: max. 3 x 20 A
  – Power consumption: approx. 4 KW
  – Rotating field: clockwise
- Compressed air
  – Operating pressure: 6 bar

Dimensions and weight
- (WxDxH) 1,450 x 990 x 2,100 mm
- Conveyor belt length approx. 2,500 mm
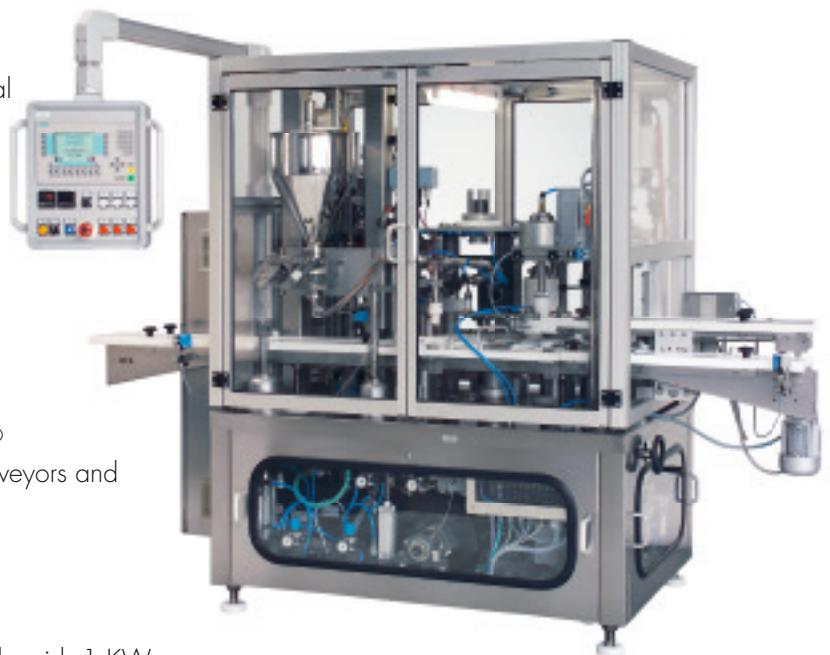- Weight: approx. 1,500 kg

BaCo 3600

Fully automatic filling, foil application, sealing and closing system

BaCo 3600

Fully automatic filling, sealing and lid closing system, suitable for pasty to liquid filling media for containers made of plastic, glass and metal, with a performance of up to 3,600 pc/h.

Features
- complete transport format set
- 10-step clocked jar transport with mechanical overload coupling
- Electrical connections for the integration of an inductive sealing unit (see options)
- Filler unit with a rotary slide dosing unit
- 40 l filler funnel
- Electronic volume setting
- Foil dispenser with pre-sealing unit
- Thermal, conductive sealing unit
- Manual / mechanical central lubrication
- Integrated conveyor belt
- Protective glazing in aluminium / Makrolon®
- Central, continuous height adjustment of conveyors and guides by means of a manual wheel
- Integrated screw top closer
- Integrated Siemens S7 PLC

Options
- Inductive sealing unit, incl. generator and solenoid, 1 KW
- Dispenser tablet for jars and caps
- Automatic cap fitting unit and cap feed
- Compensator (2 or 6 litres)
- Feeder conveyor with UV lamp for low-germ irradiation

Technical specifications
- Performance: up to 3,600 pc/h
- Filling range 5 ml to max. 500 ml (depending on dosage piston size)

Pressurized air
- Operating pressure 6 barr

Electrical connection
- Voltage 3 ~ 400 V, +6/-10 % max.
- Power frequency 50 Hz
- Connection cable 5 x 2.5 mm
- Circuit breaker / fuses max. 3 x 20 A
- Power consumption approx. 5 KW
- Rotary feed clockwise

Dimensions and weight
- Chassis structure (WxDxH): 900 x 1,200 x 2,100 mm
- Conveyor belt length approx. 2,500 mm
- Weight: approx. 2,000 kg

Ballerstaedt produces aluminium seals and sealing devices. For almost 70 years we have been the supplier for international customers in the cosmetic, pharmaceutical, chemical and food industries.

Together with our BaCo Seal System we will provide you with a comprehensive service package, which includes the supply of the aluminium seals in various sizes and shapes, sealing devices, and extensive advice, customized services and permanent quality assurance.

If you are interested in induction sealing system we are pleased to offer you a wide range of sealing devices and systems with different performance ratings and capacities.

For all machinery the CE Declaration of Conformity according to the EC Directive 2006/42/EC, Annex II 1 A is available.

Our company is ISO 9001, ISO 14001, HACCP and AEO certified.

We are looking forward to your inquiries.

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