



OML SERIES

Open-mouth bagging
systems

Open-mouth bagging systems



Based on years' of experience in working with different bag types, materials and sizes, Chronos BTH can assist you in finding the optimum bagging solution for your application for the filling of bulk materials into pre-made bags from 5 to 50 kg.

The Chronos BTH **OML SERIES** product line is versatile. These systems, available in high-speed and compact medium-speed versions, are designed for bagging all types of free flowing materials into open-mouth bags in a broad range of process industries.

The **OML SERIES** baggers are modular platforms and the series features three variants: compact open-mouth bagging system (**OML-1080 SERIES**), high-speed open-mouth bagging system (**OML-1120 SERIES**) and high-speed open-mouth bagging system for PE bags (**OML-1120 FS SERIES**).

The **OML-1080 SERIES** is a compact medium-speed open-mouth bagger with a production rate up to **800** bags per hour. The bag is placed on the spout and, after filling, transferred sideways into the closing line.

Applications

The leading edge **OML SERIES** bagging systems, which are ideal for bagging flakes and granules, have been specifically designed to bag dry products in the Food, Feed, Pet Food, Chemicals and Minerals industries.

The slightly larger footprint **OML-1120 SERIES** is an efficient solution for higher outputs up to **1200** bags per hour. During bag transfer, the bag movement is continuous with the transfer device taking over the filled bag and transferring it to the closing line.

The **OML-1120 FS** is designed to handle PE bags only. The integrated fill and seal technology allows footprint reduction compared to the **OML-1120 SERIES**, yet has the same output of up to **1200** bags per hour. The bag out-feed is inline for optimum layout configuration with palletising and load securing lines.

Automatic adjustments are available on all our open-mouth lines to facilitate quick product and bag changeovers. Excellent hygiene standards are achieved via minimised dust emission and total bag top control. We also manufacture and integrate a full range of standard bag closing methods. All our equipment is PLC controlled with user-friendly human machine interfaces (HMI) and compliant with CE regulations.



OML-1080 Series

Compact open-mouth bagging system



OML-1080

Single spout, up to 800 bags per hour

The **OML-1080 SERIES** bagging system is a compact fully automatic packaging system designed for bagging all kinds of free flowing materials into open-mouth bags. The **OML-1080 SERIES** combines effective bagging technology with an easy-clean configuration. Depending upon the system layout and the material being packed, the **OML-1080 SERIES** can reach outputs of up to **800** bags per hour.

Its optimised construction and compact design allows for simple installation in restricted packing rooms. We offer customised system configurations based on your individual site requirements and specific needs.

Features and benefits

- Controlled bag handling to avoid product contamination
- Excellent machine accessibility, allowing cleaning and maintenance to be carried out quickly and effectively
- Compact, sturdy design for installation in very confined spaces
- Efficient bagging line for low to medium bagging output rates
- Fully integrated gross or nett weighing system
- Quick bag changeover to handle different bag sizes
- Clean production area due to minimised dust emission

Functionality

Suction cups on the automatic bag placer pick-up the bottom of each bag in the bag magazine. The bag is then opened before the bag placer puts it on the spout. Depending on the type of bag, the bag top is either stretched out or in case there is a gusset it will be reformed on the spout. When the bag is correctly placed on the spout the filling process starts.

After precise bag filling, the bag top is formed. The transfer device then takes over the filled bag and transfers it into the closing line.

The bag spout can be exchanged simply and quickly to accommodate different bag sizes. The **OML-1080 SERIES** has an integrated touch control panel with graphic guidance for simple operation. Units can be supplied with either our gross or nett weighing systems for optimum system performance.

The operation of the machine is controlled via a Siemens touch control panel. This is integrated into the main control cabinet and features a user-friendly operator graphic interface for simple operation.

Options

- All common types of bag closing devices
- Guidance for closed bag-top control
- Bag marking system for empty or filled bags
- Product de-aeration
- Remote control panel
- Bag turning
- Closed bag 'push off' (top or bottom first)
- Full stainless steel design

Production rate

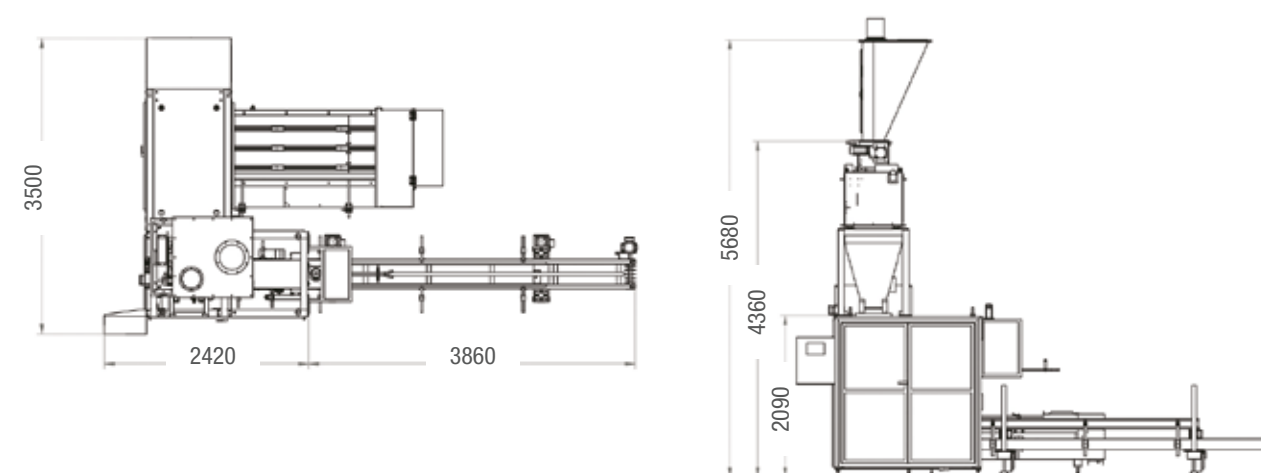
Production rates up to **800 bags per hour***

* Depending on product characteristics, method of feeding, bag size, etc.

Technical data

Bag types:	Pillow bag, cross bottom bag, gusseted bag, block bottom bag and pinch top bag
Bag materials:	Paper, paper with PE-inliner or PE-coating, PE, PP and laminated PP
Bag sizes:	Width: 350-600 mm Length: 500-1000 mm
Weighing technology:	Gross or nett weighing
Electrical requirements:	3 AC / 400V / 50Hz
Operating pressure:	6 bar
Ambient temperature:	+5°C to +40°C
Noise level:	< 80 dB (A)

Typical layout



OML-1120 Series

High-speed open-mouth bagging system



OML-1120 SERIES

Single spout, up to 1200 bags per hour

The advanced **OML-1120 SERIES** bagging system is a unique, fast and versatile high-speed system designed for bagging free flowing materials into all common open-mouth bags.

The model line features **controlled** and **closed bag-top transportation** of the filled bags.

Depending upon the system layout and the material being packed the **OML-1120 SERIES** can reach outputs of up to **1200** bags per hour.

Features and benefits

- Designed to handle free-flowing bulk materials
- Universal system for all common types of open-mouth bags
- Continuous bag control from bag pick-up to bag closure avoids product contamination
- Good machine accessibility, allowing cleaning and maintenance
- Efficient bagging line for high bagging output rates
- Completely integrated precise nett weighing system
- Quick bag changeover to handle different bag dimensions
- Clean production area due to minimised dust emission
- Simple system operation with user-friendly touch panel and integrated graphical user interface
- Automatic height adjustment on out-feed conveyor

Functionality

Suction cups on the automatic bag placer pick-up the bottom of each bag in the bag magazine. The bag is then opened by the bag placer before it is placed on the spout.

Simultaneously, while the empty bag is placed on the spout, the filled bag is placed in the next position. After precise bag filling, the bag top is stretched out or gusset retained. During bag transfer, the bag movement is continuous which allows high output filling rates. Finally,

With only a small footprint increase compared to the **OML-1080 SERIES**, the high-speed **OML-1120 SERIES** open-mouth bagger can reach 1,5 times higher production rate, with faster bag placing, bag filling and bag transfer into the closing line. When the customer application requires higher bag filling outputs, the **OML-1120 SERIES** is a compact and efficient solution.

the transfer device takes over the filled bag and transfers the bag into the closing line.

The operation of the machine is controlled via a Siemens touch control panel. This is integrated into the main control cabinet and features a user-friendly operator graphic interface for simple operation.

Options

- Bags made from tubular film reel
- Full stainless steel design
- All common types of bag closing devices
- Bag marking systems for empty or filled bags
- Remote control panel
- Bag turning
- Closed bag 'push-off' (top or bottom first)



OML-1120 Series

High-speed open-mouth bagging system



Production rate

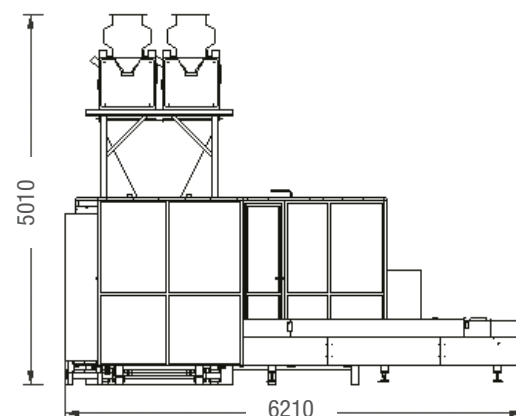
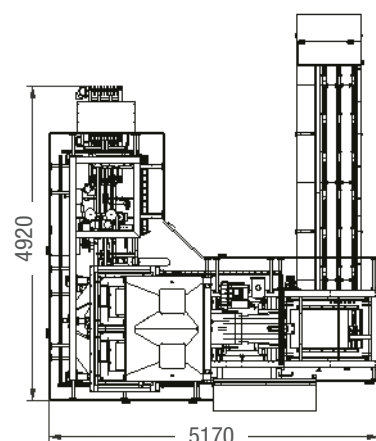
Production rates up to **1200 bags per hour***

*Depending on product characteristics, method of feeding, bag size, etc.

Technical data

Bag types:	Pillow bag, cross bottom bag, gusseted bag, block bottom bag
Bag materials:	Paper, paper with PE-inliner or PE-coating, PE, PP, laminated PP
Bag sizes:	Width: 350-600 mm Length: 550-1000 mm (950 mm for block bottom)
Weighing technology:	Nett weighing
Electrical requirements:	3 AC / 400V / 50Hz
Operating pressure:	6 bar
Ambient temperature:	+5°C to +40°C
Noise level:	< 80 dB (A)

Typical layout



Bag closing variants

At Chronos BTH we fully integrate all required common bag closing devices including:

- Sewing
- Sewing with crepe tape
- Single fold-over with sewing
- Single fold-over with sewing and tape over
- Heat sealing
- Pinch top
- Double fold-over with gluing
- Double fold-over with tape over
- Others upon request



OML-1120 FS Series

High-speed open-mouth bagging system for PE bags

OML-1120 FS SERIES

Single spout, up to 1200 bags per hour

The high-speed **OML-1120 FS SERIES** has been specifically developed for bagging **pet food and animal feed into polyethylene (PE) open-mouth bags**.

The model line features a **controlled** bag transportation. The bag is heat sealed directly after filling thereby eliminating any possible contamination during bag transfer.

The integrated fill and seal technology of the **OML-1120 FS SERIES** allows footprint reduction compared to

Features and benefits

- Bag closure by heat sealing only
- Controlled bag handling and closed bag transport throughout the bagging line
- Designed to handle free-flowing bulk materials
- Fill and seal technology virtually eliminates product contamination
- Efficient bagging line for high bagging output rates
- Clean production area due to minimised dust emission

the **OML-1120 SERIES**, whilst maintaining the same output of up to 1200 bags per hour.

When the customer application requires higher bag filling outputs with a smaller footprint, the **OML-1120 FS SERIES** is a compact and efficient solution.

- Completely integrated precise nett weighing system
- Simple system operation with user-friendly touch panel and integrated graphical user interface
- Quick bag changeover to handle different bag dimensions
- Good machine accessibility, allowing cleaning and maintenance

Functionality

The function of this series is similar to the **OML-1120 SERIES** described on page 5 with the added benefit of heat sealing bars which are directly positioned after the filling spout. The out-feed of the bag is inline for optimum layout configuration with palletising and load securing lines.

Options

- Bags made from tubular film
- Bag marking systems for empty or filled bags
- Full stainless steel design
- Remote control panel



Production rate

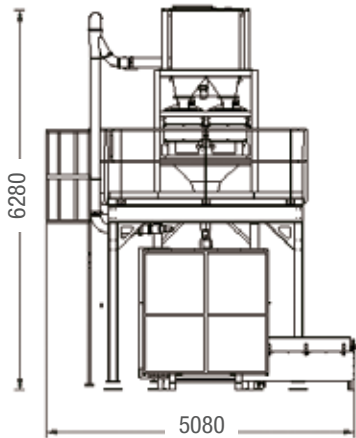
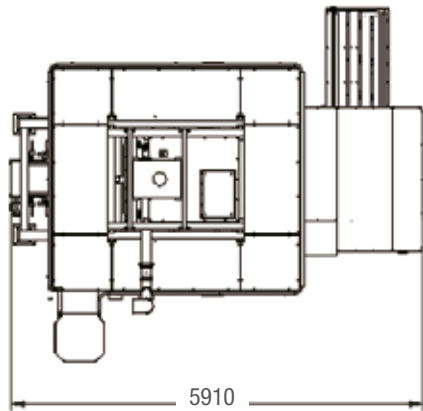
Production rates up to **1200 bags per hour***

*Depending on product characteristics, method of feeding, bag size, etc.

Technical data

Bag types:	Pillow bag, gusseted bag, block bottom bag
Bag materials:	Polyethylene (PE)
Bag sizes:	Width: 350-600 mm Length: 550-1000 mm (950 mm for block bottom)
Weighing technology:	Nett weighing
Electrical requirements:	3 AC / 400V / 50Hz
Operating pressure:	6 bar
Ambient temperature:	+5°C to +40°C
Noise level:	< 80 dB (A)

Typical layout



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