# **BVC 600** – CONTINUOUS MOTION FORM FILL AND SEAL MACHINE

***Dust-free packaging of powders, granulates and pellets.***

**Motor assisted format change**

## PRODUCTION OF PALLETIZABLE SACKS AND BAGS IN A COMPACT AND STABLE FORMAT

**The highlights**

- For large packages in the food and non-food industry
- Executions for powders, granulates, bulk goods, detergents, fertilizers, etc.
- High filling accuracy with volumetric and gravimetric dosing system
- Stable, palletizable sacks by applying a venting valve (valve sack)
- Bag production from the flat film reel
- Heat-sealable laminates and PE packaging materials possible
- Sack volumes up to 140 liters*
- Sack width up to 750 mm*
- Sealing force up to 8,000 N

* gusseted sacks

ROVEMA

Passion for packaging

# **BVC 600** – PACKAGING OF BULK GOODS

## Dust-free dosing and sack filling

The BVC 600 can pack dusty, powdery products with the highest sealing seam quality.

The continuous motion Form Fill and Seal machine BVC 600, produces palletizable bags from the flat film reel.

Heat-sealable and weldable mono-materials can be used as packaging material.

For dust-free and weight-accurate dosing of powders, a closed filling and auger dosing system is used.

SPECIAL FEATURE:
An electric motor can lower the complete format set for cleaning or format changing. Additional lifting equipment is not required.

**The operating principle:**

- The product is filled via a controlled feeding auger into the hopper of the auger doser
- With the programmable servo drive, final weights will be achieved with the highest dosing accuracy
- The filled sacks are sealed tightly with the sealing/welding tools of the Form Fill and Seal machine

**Advantages:**

- The dust-free dosing and filling system ensures for clean and thick seams with a high seam quality
- To achieve a low drop height, the regulated dosing is synchronized with the transport of packaging material
- Weight-accurate dosing through the combination of volumetric and gravimetric dosing process
- High output through the continuous sealing and filling process
- Easy and quick to clean due to clear separation of drive and product area


powders


detergents


fertilizers


granulates


pellets

## Venting ensures palletizable sacks (Valve sack)

**The operating principle:**

- Within the machine, a FDA/BGA permeable valve is generated in the flat film roll
- The valve size can vary according to the ventilation demand
- This valve allows gases and air to escape under stack pressure

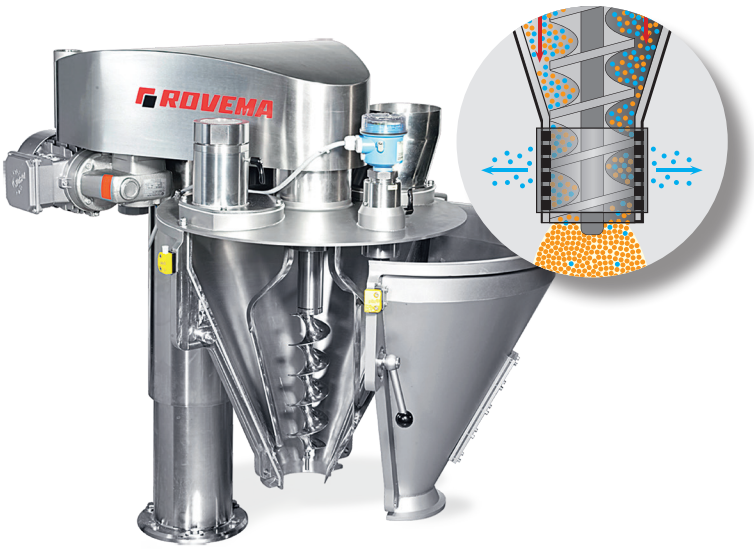
**Advantages:**

- Results in dust-tight sacks with reliable moisture protection

# Hygienic, dust-free dosing with SDH vacuum dosing

**The operating principle:**

- The product is filled via a controlled feeding auger into the hopper of the auger doser
- A controlled motor drives the stirrer, which distributes the product evenly in the hopper
- The dosing auger with servo drive doses the product from the hopper into the package
- Evacuation of air trapped in the powder within auger doser during the dosing process
- After the end of the dosing process, a vacuum lock prevents the tiny particles from trickling down




**Advantages:**

- Easy to clean due to hygienic design. Hopper in V2A or V4A, available closed or split design
- Tool-free auger change-over
- Highest dosing accuracy due to servo driven auger
- Motorized height adjustment in hygienic design (optional)
- Individual control of dosing unit by electronic integration of all functions into machine control
- Separately driven and cycle-controlled agitators for mixing and uniform filling of the dosing auger
- Up to 50% higher dosing accuracy and up to 10% higher output rate through vacuum dosing

# Weight-accurate, dust-free dosing with the SDH-W auger weigher

**The operating principle:**

- Product is filled via a controlled, gravimetric feeding auger into the hopper of the auger doser
- Force transducers continuously determine the weight of product feeding and dosing
- The auger doser works as a closed feeding system for dust-free sack filling
- With the programmable servo drive, final weights will be achieved with the highest dosing accuracy
- The filled sacks are tightly closed with the sealing/welding tools of the Form Fill and Seal machine

**Advantages:**

- The dust-free dosing and filling system ensures for clean and tight seams with a high seam quality
- Weight-accurate dosing through the combination of volumetric and gravimetric dosing process
- High output through the continuous sealing and filling process
- Easy and quick to clean due to clear separation of drive and product area

# **BVC 600** – PACKAGING OF BULK GOODS

## Dust-free dosing and sack filling

Depending on the product and specially for dosing granulates, pellets, detergents or fertilizers, we use a large number of other dosing units. For example, volume cup dosing, belt weighers, linear weighers, silo scales, etc.

## Technical data

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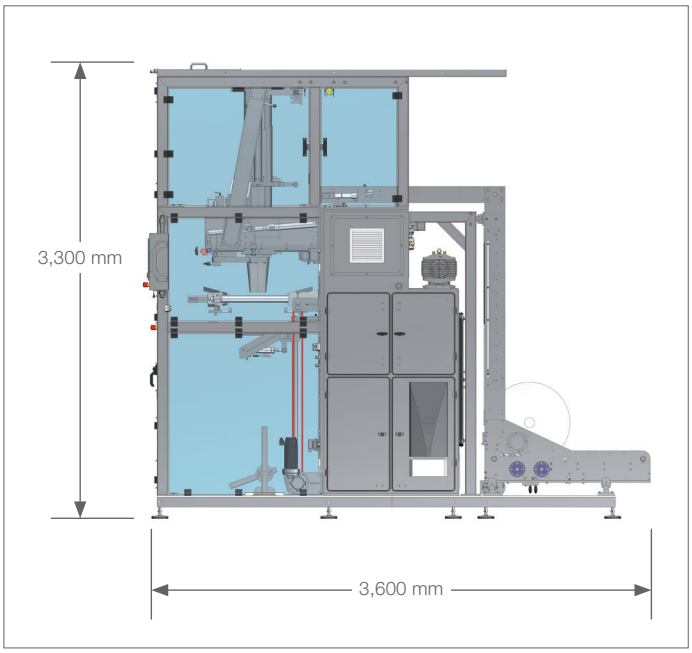
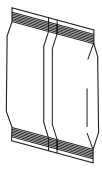
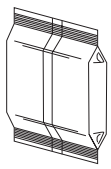
| | |
|---|---|
| Format area (mm) | 250 – 600 for pillow sacks<br>250 – 750 for gusseted sacks |
| Nominal output (S/min.) | up to 12 |
| Sealing force (N) | 8,000 |
| Filling volume (Liter) | up to 110 for pillow sacks<br>up to 140 for gusseted sacks |

* Subject to technical changes. Performance data in dependence of product and packaging material.



**Pillow sack**



**Gusseted sack**

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