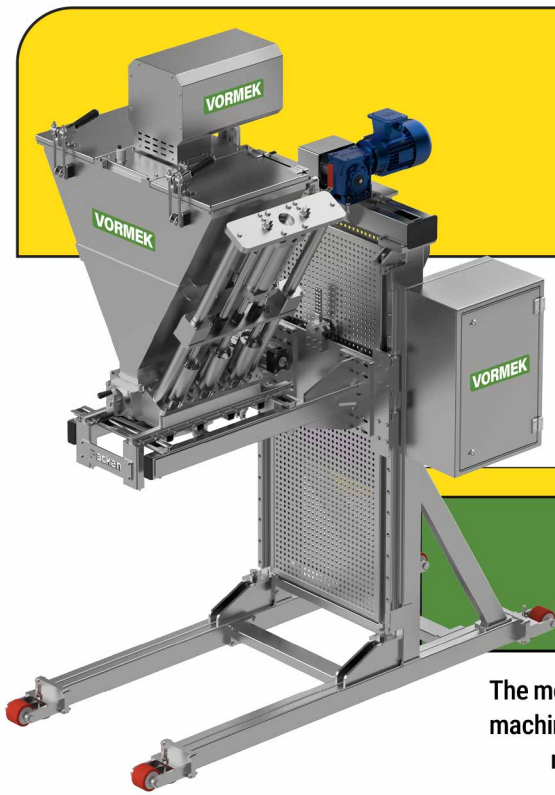




Piston Cylinder Filler



Designed for Accurate and Hygienic Filling
of Thick and Semi Solid Products

VORMEK

**Innovation based company Machinery Manufacturing
Company by the Brand Name Vormek**

The most reliable designer and manufacturer in the field of various Tray Sealer packaging machines, Vacuum Chamber, as well as manufacturer of Thermoforming packaging machines and various fillers with high quality and advanced technology level

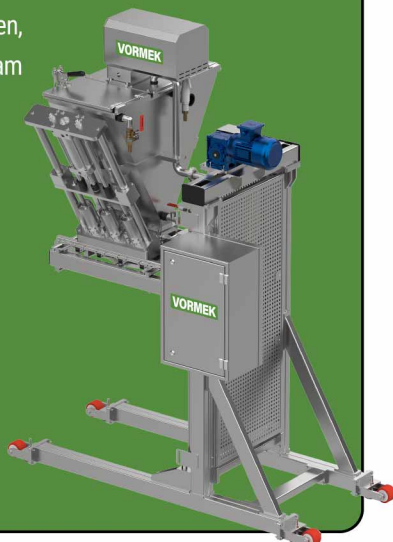
Packen.co/ EN-RU-AR-FA-DE

Key Points for Selecting the Right Machine

Selection Factor – Description

Product Viscosity: For products with different thickness and flow behavior, the design of pistons and nozzles is crucial, and the machine must have suitable power.

- **Product Ingredients and Particle Size:** This system can be adjusted to fill a wide range of products with various textures and compositions, but choosing the right system and filler design depends heavily on this factor.
- **Container Size:** For small to large containers and different fill volumes, the cylinder size and piston stroke length must be selected accordingly.
- **Production Capacity:** For high volume production, multi nozzle models are recommended.
- **Machine Speed:** For continuous production, multi piston fillers with precise volume and timing control are optimal and can be customized as required.
- **Ease of Cleaning and Maintenance:** All product contact parts are designed for easy disassembly and cleaning. This ensures complete sanitation and reduces microbial load during production. Engineering considerations also prevent product residue inside the filler, avoiding spoilage and contamination.
- **Technical Support and Spare Parts:** At Packen, our technical services and parts supply team with strong expertise always supports you.
- **Compatibility with Existing Production Line:** The machine can be fully adapted in terms of dimensions, electrical systems, automation, and mechanical coordination.



By ISO 9001 Certified in the field of Packaging Machine Manufacturing

Successfully achieved the CE certification from Europe in the field of packaging machine manufacturing.

Machine Operating Mechanism

At the core of this machine is a cylinder and piston that operate in a back and forth motion. The filling process consists of two stages:

1. **Suction:** As the piston retracts, the three way valve opens the inlet path from the tank, allowing the product to be drawn into the cylinder.
2. **Filling:** As the piston moves forward, the inlet path closes and the product is pushed through the nozzles into the containers.

Each nozzle is equipped with its own independent piston, which increases accuracy and prevents interference or leakage. The number of nozzles is fully customizable based on the customer's production capacity

Advantages & Features

High volumetric precision – uniform filling without leakage

Three stage cleaning system (CIP) – complete sanitation of all pathways

Ideal for thick textures – suitable for viscous, semi solid, or particulate products

Stainless steel 304 & 316 construction – hygienic, rust proof, washable, durable

Custom designed nozzles – drip free, suitable for product composition

Adjustable filling volume – manual or automatic

Multi nozzle design options – increased production speed

Choosing Vormek means:

- Opting for the Leading Brand
- Embracing Technology
- Ensuring Quality
- Fostering Innovation
- Guaranteeing Success
- Implementing Smart Solutions

Items such as:

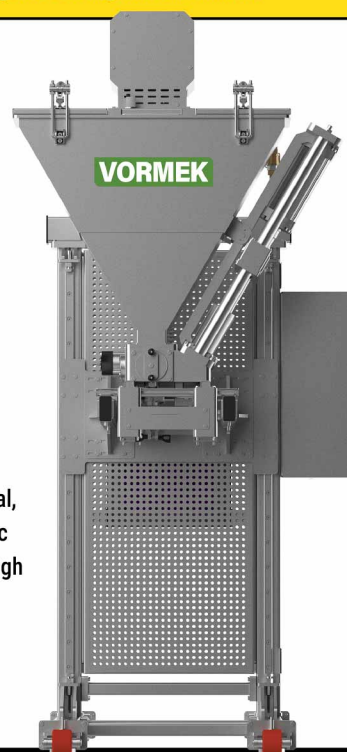
Maintaining freshness, extending product shelf life, preserving taste and nutritional value of the product, as well as hygiene and longevity, preventing spoilage and oxidation of products, are the most important goals of using these machines.

Why Choose the Vormek's Piston Filler?

- Engineering experience and precision in designing this machine
- Customized design based on the customer's exact needs
- High accuracy, advanced automation, superior component quality, durability, and safety
- Easy cleaning and maintenance – minimal microbial load
- Technical after sales support and spare parts supply
- Ability to integrate with packaging lines



For Food, Pharmaceutical, Chemical, and Cosmetic Industries Suitable for High Viscosity Materials



Main Components of the Machine

- Hopper:** Holds the product, facilitates smooth feeding, and keeps the mixture uniform
- Cylinder & Piston:** Precise and controlled product transfer
- Three Way Valve:** Correct routing of inlet and outlet flow
- Nozzle:** Clean, drip free product dispensing into containers

Suitable for Filling:

- Hummus and similar products
- Honey, marmalade, chocolate spread
- Thick sauces, paste, cream, jelly
- Pharmaceutical or cosmetic pastes and semi solid materials

Technical Specifications of the Piston cylinder filler

Packaging Speed

Capable of reaching 7-8 cycles per minute

Machine Control Panel

10-inch touch screen from a premium and high-quality brand Delta, in several international languages

Temperature Control System

Use of PID system for controlling the machine's temperature.

Vacuum Pump

A strong vacuum pump with a suction capacity of 63 cubic meters.

Dimension of the Machine

Length: 2.5 meters - Height: 1.9 meter - Width: 1 meter

Electrical components:

Use of high-quality and premium brands (Delta, Phoenix, Autonics, Siemens, Moller)

Mold Dimensions

400x300 mm

Body Material

Constructed from high-quality 304 stainless steel

Electrical Power

3 KW

Electric Current

7.5 Amp



Products which can be Packed by Packaging Machines of this Company



+44 7552 7324 08
+44 7418 3554 99

www.Vormek.com/ EN-RU-AR-DE

Factory Address:

Lloyds Chabers, 1 Portsoken Street, London, Vormek Machinery Company

