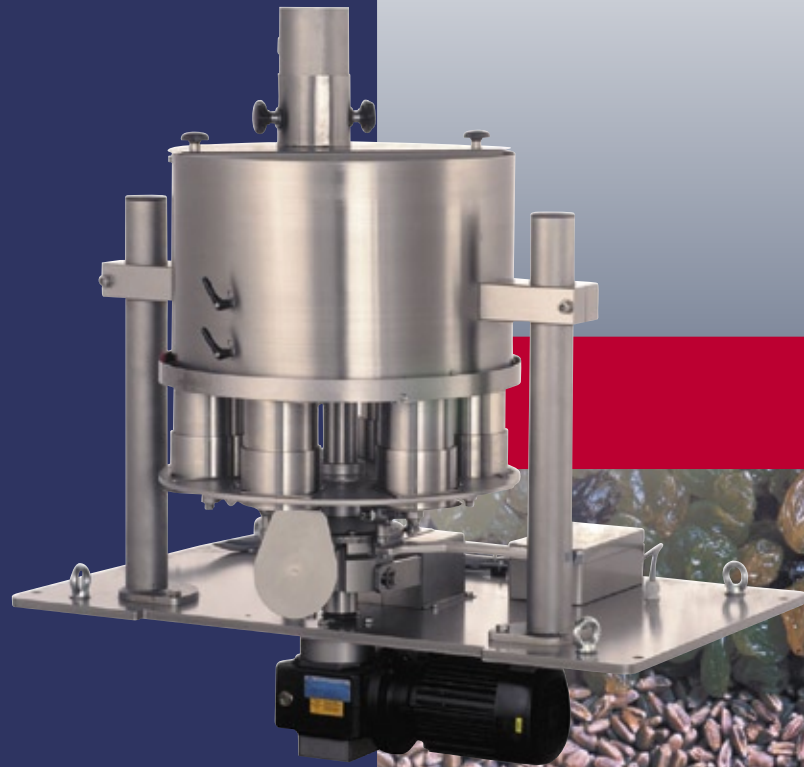




**ROVEMA**

turning technology to profit.



# VDD

Volumetric  
cup feeder

## The VDD highlights

- high performance
- proven dosing method
- large volume range
- product specific funnel design
- adjustable, telescopic 2-piece dosing cups for volume control
- height adjustment for adaptation to dosing volume
- frequency-controlled drive



- **Dosing**
- Pillow Bags
- Cartoning
- Final Packaging

The proven  
method for  
product dosing



## VDD – the proven method for product dosing



# VDD Volumetric cup feeder



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**D**ue to its high performance and proven technology the volumetric cup feeder VDD has been proven extremely reliable in operation. It meets the demand of the user within the required legal standards of weight accuracy. The machines may be used as a single unit or in combination with a form-fill-seal machine.

The VDD is designed to dose free-flowing products like pellets or granulates. Within this range a great number of products can be handled as, for example, rice, short-cut pasta, deep frozen food, peanuts, pulse, chocolate or sugar.

### The dosing

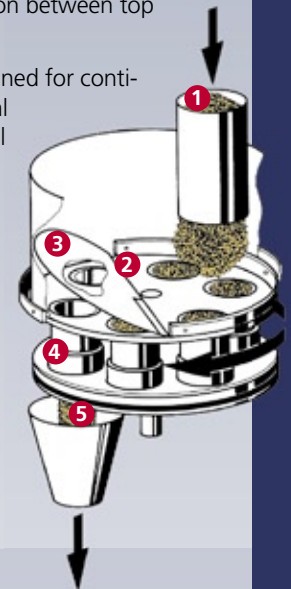
The dosing is a volumetric one, meaning that the dosing volume is set by a dosing cup. The adjustment of different volumes is given by a telescopically connection between top and bottom cup, thus the cells can be enlarged or reduced.

In case of need the filling, dosing and discharging functions can be designed for continuous operation using a constant rotation (ideal for the VPK form-fill-seal machines) or using an intermittent motion (ideal for the VPI form-fill-seal machines).

Product transfer design is always adapted individually to the product characteristics.

### The principle

- (1) product falls into the feed container
- (2) dosing plate unit transfers the filled cups to discharge position
- (3) stripper removes any surplus product
- (4) transport of empty cups to filling position
- (5) product falls into the transfer hopper



### Benefits and advantages of the VDD

- Volumetric dosing technology has continuously been optimized throughout decades so that today's proven components offer a robust and reliable technology that operates **almost maintenance and wear free** – and – it is simple and quick to clean. This is why the VDD is firmly established in the market.
- Rovema's volumetric dosing system is **consequently adapted to the needs of the product**, always specifying the construction and the used material for the feed container and dosing cups with regard to the product.
- The **different design** as a continuous or intermittent operating volume dosing system takes the various requirements of our customers for flexibility into account.
- Working with our customers means a continuous development of our machines in line with production requirements to achieve that out of this experience even **most difficult products** can be handled trouble-free and within narrow filling tolerances.
- The ROVEMA VDD can be used as a single unit or be combined with other machines as an **integral part of ROVEMA system technology**.

### The options

Apart from the long-term experience with the volume dosing technology the strength of the VDD lies in the product adapted, optimised design of its dosing feeders.

- cup sets in product specific execution (stainless steel, plastic)
- programmable, motor cup height adjustment to adapt the dosing volumes
- devices for gas flushing systems
- aggregates for residual oxygen analyser
- integrated tendency control
- special stripper brushes
- protective housing for dust-free dosing

Other options upon request.