



## Dispensers

ViscoTec dispensers are mainly used for advanced dosing applications involving adhesives, sealants, paints, solder pastes or viscous chemicals.

Not only are they suitable for absolutely all adhesives and sealants, users also appreciate the easy programming of quantity and speed. With the ViscoPro you can achieve perfect results - whether bead application, spot-dosing, encapsulating of components or filling.

### ViscoPro



### ViscoPro

ViscoPro stands for a new overall concept that combines the advantages of the ViscoTec dispensers with the demand for a compact, yet versatile design. The intelligence of a user-friendly control has been integrated into the drive, so an additional dosing control is very often no longer necessary.



## 2-component systems

With the ViscoDuo-V you can apply two-component materials with one unit and achieve unprecedented precision. Here the dosing pumps are directly integrated and the adhesive components are dosed into the static mixer straight after passing the pump outlet. A constant mixing ratio and exact dosing are thus ensured, even with short dosing sequences.

### ViscoDuo-V



### 2K-system ViscoDuo

- High-precision dosing due to minimized dead spaces
- Mixing of media with widely varying viscosities
- Suitable for abrasive products, also with solids
- Suitable for almost all static mixable products
- Dot and bead dosing in one unit
- As tabletop unit and for industrial application
- Dosing monitoring by means of adjustable reverse flow
- Valveless technology



## Barrel emptying systems

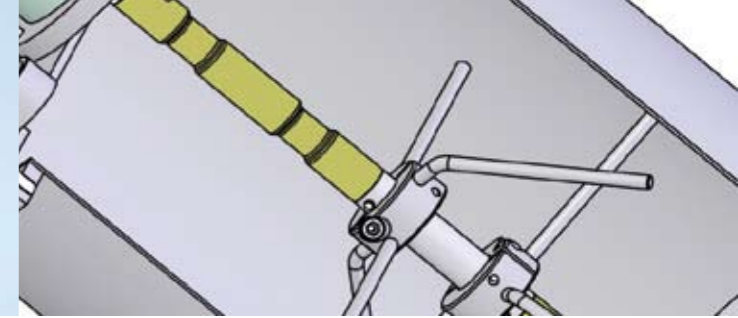
Just as important as the exact dosing of adhesives and sealants is the product transfer out of barrels, cartridges, tanks or drums. Each ViscoTec product feed or barrel emptying system for high-viscosity pastes consists of the following components: Electrically driven rotary dosing pump, follower plate and pneumatic, non-tilting, 3-cylinder lifting device.

### ViscoMT



### Barrel emptying system ViscoMT

- For medium to high-viscosity products (up to 5,000,000 mPas!)
- Residual amount < 1%
- Barrel sizes from 1 litre to 1,500 liters
- Clean wipe-off at barrel wall due to follower plate with special lip seal
- Also suitable for ribbed or conical barrels, plastic containers, also with liners
- Emptying speed is electronically adjustable
- No escape of medium at the side, as follower plate operates almost without pressure
- Pulsation-free emptying
- Easy handling
- Pressures up to 20 bar
- Option as fully heated or as double station with automatic switchover



## Preparation systems

Smooth container changeovers and, if required, preparation of the medium by agitation, circulation and degassing: The ViscoTec preparation systems of the ViscoTreat series ensure steady and reliable product supply uninterrupted by container changes, as well as optimal preparation of the medium for the production process.

### ViscoTreat





## Is your medium highly viscous, shear-sensitive, sticky, abrasive or does it contain solids?

The reproducibility of all parameters is crucial to the dosing of high-viscosity products. Changes in product flow behaviour and viscosity are further important considerations. The easy adaptation to new ambient conditions and requirements must also be ensured.

ViscoTec has the perfect solution when it comes to dosing and conveying high-viscosity media!



ViscoTec specializes mainly in systems for the conveying, dosing, filling and emptying of medium to high-viscosity media. We provide detailed consulting for each application and carry out extensive tests in the case of particularly challenging tasks.

ViscoTec Pumpen- und Dosiertechnik GmbH was founded in 1997. It developed from the former pump sector of the company Resch Maschinenbau GmbH. Backed by more than 20 years' know-how, our 40 employees produce sophisticated solutions for the world market.



# Perfectly dosed!

## Dispenser and dosing systems for low to high-viscosity media



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## Filling systems

The filling of small containers directly from barrels or supply tanks, especially when high-viscosity, abrasive or shear-sensitive media are involved, requires the same reliable technology that is used in sophisticated application processes. The ViscoFill series of filling systems offered by ViscoTec are suitable for a variety of container sizes, include a control system and preparation is an available option.

### ViscoFill



### Filling system ViscoFill

The filling system enables the semi-automatic filling of containers of various different sizes. The container to be filled is placed manually into an adapter. After the start button is pressed, the container moves down in relation to the filling speed. In this way, a surface-level filling with no entrapped air is achieved. The medium is sucked out from the original container or storage tank (if required, processed under vacuum), then removed by a dosing pump. The dosing capacity (filling speed) can be widely varied to match the filling process. All process-relevant parameters can be changed in the control system by the user.

## Our dosing technology – your advantage

At the core of every application is a volumetric conveying dosing pump, which belongs to the group of rotary positive displacement pumps. The interaction between an eccentrically moving rotor and a stator, adapted to application conditions, produces flow and dosing characteristics resembling those of an endlessly moving piston. This geometry ensures that, per rotation, a constant flow volume proportional to rotary angle is always produced.

### Endless piston principle

- Pulsation-free dosing and conveying
- Suitable for forward and reverse operation
- Good suction capability
- Gentle operation
- Counterpressure has no effect on dosing quantity / flow rate
- Dosing accuracy to +/- 1%
- Fully adjustable dosing quantity
- No dead spaces inside the pump
- A hermetically enclosed flexible shaft instead of joints inside the pump



The ViscoTec endless piston principle

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