Press Release

ViScaFeed for Fully Automated Potting Applications

Treatment and supplying system for 2-component dispenser ViscoDuo-VM

With ViScaFeed another product complements the ViscoTec portfolio: A material treatment and supplying unit for fully automated applications. Just like the ViScaMix (for manual potting applications), the ViScaFeed comes from [Scanmaster](https://scanmaster.dk/) in Denmark. Henning Pedersen, CEO and owner of Scanmaster explains, "The name ViScaFeed says it all: This system aims to feed another system – ViscoTec's ViscoDuo-VM 2-component dispenser. For potting and encapsulating electronic components, either by robot or another type of gantry solution."

The features of [ViScaMix](https://www.viscotec.de/en/compact-2-component-dispensing-system-for-potting-applications/) were also transferred to the ViScaFeed. Only the dosing pumps in the system were replaced by the larger 3VMP18 to increase the supply capacity. For example, in case of increasing production numbers, the ViScaFeed can be integrated into an existing PLC of a robot or XYZ table. In this case, the system takes over both the treatment and the supply of the materials to be dispensed, to the 2-component dispenser which is mounted directly on the gantry.

ViscoTec's technology scores particularly in potting applications due to its clean material break-off and compact design. The volumetric dispensing systems work continuously, pulsation-free and with repeat accuracy. The adjustable retraction ensures material break-off – dripping or stringing is thus prevented.

ViScaFeed is perfectly suited for abrasive, filled or shear-sensitive fluids and pastes – regardless of their viscosities. The two-component materials can be dispensed with a mixing ratio of 1:1 to 10:1.

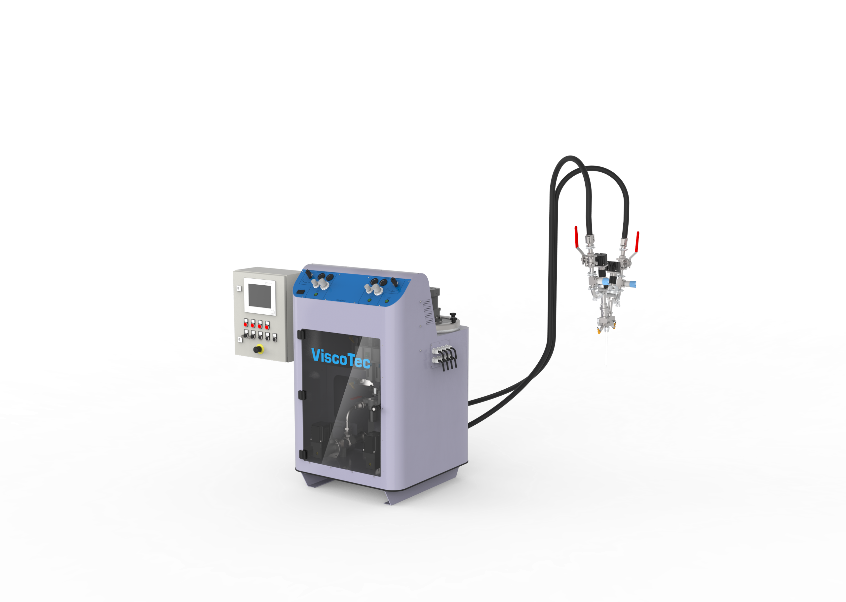
The treatment and supplying system do not have its own control unit. It is controlled via the ViscoTec ViscoDos-2K-V by means of 2-point pressure control. The individual dosing parameters for the progressive cavity pumps in the dosing system can be conveniently set via the external control: Dosing quantity, volume flow, mixing ratio, calibration, pot life warning, etc. The dosing itself is proven precise; the mixing is done by common static mixers. Possible dosing speeds range from 10 to 600 ml/min, depending on the pump combination and mixing ratio.

**The features of the system at a glance:**

* Automated potting processes (including material treatment and supply)
* Production of high quantities due to minimal downtime
* Gentle dosing of materials – due to the ViscoTec endless piston principle
* High precision dosing – regardless of viscosities and viscosity changes
* Easy assembly of the 2-component dispenser on robots or axis systems
* Material supply with 24 l stainless steel vessels (pressure tank max. 4,5 bar)
* Filling through manual refill or vacuum suction

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Pictures:



ViScaFeed with ViscoTec 2-component dispenser – for fully automated potting applications.

ViscoTec – Perfectly dosed!

ViscoTec Pumpen- u. Dosiertechnik GmbH manufactures systems required for conveying, dosing, applying, filling, and emptying medium to high-viscosity fluids. The headquarter is in Töging a. Inn (Bavaria). ViscoTec has subsidiaries in the USA, in China, Singapore, India and in France and employs about 270 people worldwide. Numerous sales partners all over the world complete the international distribution network. Next to technically sophisticated solutions to even the most complicated application, ViscoTec is the single point of contact to deliver all components for a complete system: From emptying to preparing and to dosing. This guarantees successful interaction of all components. All fluids showing a viscosity of up to 7.000.000 mPas can be conveyed and dosed almost pulsation-free and with extremely low shear. ViscoTec offers comprehensive consulting for every application and, if required, extensive tests will be carried out in close cooperation with the customer. The dosing pumps and systems are perfectly adapted to their respective application whether it is the food sector, the e-mobility industry, the aerospace field, the medical technology, the pharmaceutical industry, electronics manufacturing or many other branches.

Press contact:

Melanie Hintereder, Marketing

Phone: +49 8631 9274-404

melanie.hintereder@viscotec.de

**ViscoTec America Inc.**1955 Vaughn Road, Suite 209 | Kennesaw, GA 30144 | USA  
www.viscotec-america.com

**ViscoTec Asia Pte Ltd**7 Gambas Crescent | #09-38, Ark @ Gambas | Singapore 757087 | Singapore  
www.viscotec-asia.com

**ViscoTec Shanghai Ltd. / Greater China**1/F, BLK 18, City of Elite | No. 1000 Jin Hai Road, Pudong  
Shanghai, 201206 | P.R. China

www.viscotec.com.cn

**ViscoTec India Pvt. Ltd.**  
710 Nucleus Mall, 1 Church Road Pune | Pune 411001 | India  
www.viscotec-india.com

**ViscoTec France SASU**  
5 Avenue Henri Becquerel, Parc Activité Kennedy | 33700 Mérignac | France  
www.viscotec.fr