Press Release

Table-Top Dosing Machine for Highly Viscous Materials

Bausch+Ströbel table-top solution EDM 3721 using ViscoTec’s Hygienic Dispenser

[Bausch+Ströbel](https://www.bausch-stroebel.com/en) developed a new table-top solution for processing highly viscous products: The EDM 3721. The dosing machine is equipped with a ViscoTec dosing pump.

The EDM 3721 was specially developed for processing highly viscous, shear-sensitive and abrasive materials. The dosing of fluids and pastes can also be carried out under vacuum in syringes. Vacuum-assisted dosing leads, for example, allow a significantly lower amount of micro bubbles in the dosing material. The semi-automatic dosing machine is conveniently operated via a touch-screen panel. By means of scales, an in-process control of up to 100 % is possible, with automatic feedback adjustment of the dosage during production. Batch reports can be saved and printed using the printer supplied together with the machine equipment to provide a complete documentation of the dosing results.

In the video you can see the EDM 3721 in use: <https://youtu.be/_8-NHSxSICc>

ViscoTec Pharma Dispenser in Hygienic Design

The built-in dosing pump – a ViscoTec [Pharma Dispenser](https://www.viscotec.de/en/products/dosing/) in Hygienic Design (VPHD) – has been developed for use in a wide range of applications in the pharmaceutical and medical technology sectors. The dispenser has already proven itself in many applications worldwide. The dosing of low to high viscosity fluids and pastes is highly precise, gentle to the product and completely pulsation-free. Thanks to the built-in endless piston principle, the VPHD is also perfectly suited for shear-sensitive or abrasive materials. The structure of the fluids to be dosed is not affected. The built-in corrosion-resistant stainless-steel rotor moves eccentrically in a stator made of elastomer (FDA-compliant). The interaction of rotor and stator creates cavities. The size of the alternately opening cavities is completely constant during rotation – the conveyed product is not compressed. This geometry enables the desired, precise, gentle and pulsation-free product flow. In addition, programmable suck-back prevents dripping or stringing.

Quantities of 0.1 to 100 ml are dosed. In practice, the dosing accuracy usually exceeds the guaranteed value of +/- 1 %. The Pharma Dispenser can be completely disassembled and assembled without tools in just a few minutes. All components in contact with the product can be cleaned manually or in cleaning systems as well as in ultrasonic baths and sterilized in autoclaves.

The table-top machine from Bausch+Ströbel processes bottles, vials, disposable syringes and cartridges. The dosing machine is suitable for use in an isolator and therefore also for use in the flexible production system VarioSys® from Bausch+Ströbel. The machine manufacturer is an expert in filling and packaging processes for the pharmaceutical industry. High quality pharmaceuticals are dosed worldwide on the filling and packaging lines.

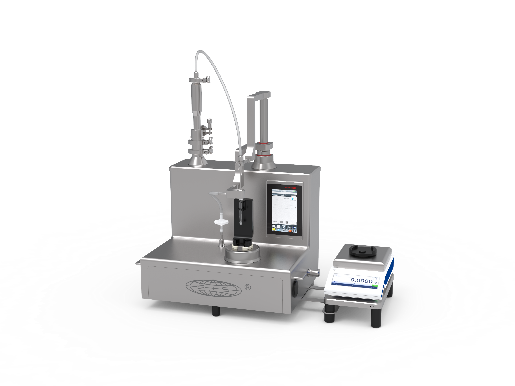
Further information on ViscoTec's dosing applications in the pharmaceutical sector can be found here: <https://www.viscotec.de/en/industry-applications/pharmaceuticals/>

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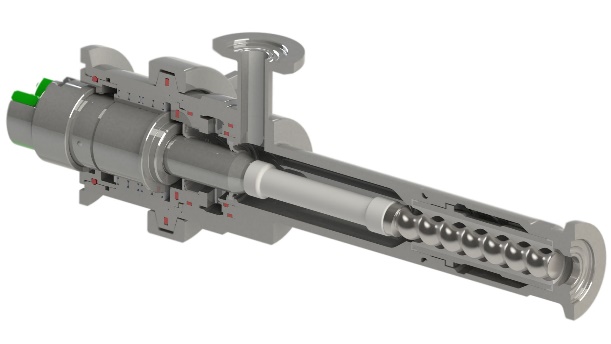
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Ein Bild, das Objekt, Mikroskop, drinnen, Himmel enthält.

Automatisch generierte Beschreibung Ein Bild, das drinnen enthält.

Automatisch generierte Beschreibung

Bausch+Ströbel EDM 3721 dosing machine using the ViscoTec Hygienic Dispenser

ViscoTec Pharma Dispenser VPHD

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 260 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, or many other branches.

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