Press Release

vipro-DUOMIX With Optimized Mixing Blocks

Extended version of the static-dynamic mixer

The static-dynamic mixer vipro-DUOMIX is perfectly suited for compressible, two-component materials with very different viscosities, extreme mixing ratios and high-pressure sensitivity. The extended version with optimized mixing blocks for low-viscosity, and high-viscosity materials on either side brings a further advantage: It is ideally suited for materials that are difficult to mix - with different or identical viscosities. A modular design with five different dispenser sizes per side allows complete flexibility, and a wide range of mixing ratios from 1:1 to 100:1.

The vipro-DUOMIX can be used for complex two-component applications in diverse industries such as automotive manufacturing, aerospace, or electronics. Irrelevant of whether it is for a dot dispensing, a bead application or for a potting application. Particularly in the [production of aircrafts](https://www.viscotec.de/en/industry-applications/aerospace/) the static-dynamic mixer is used for honeycomb potting or for edge sealing. Special nozzles with adjustable bead width are available for this purpose.

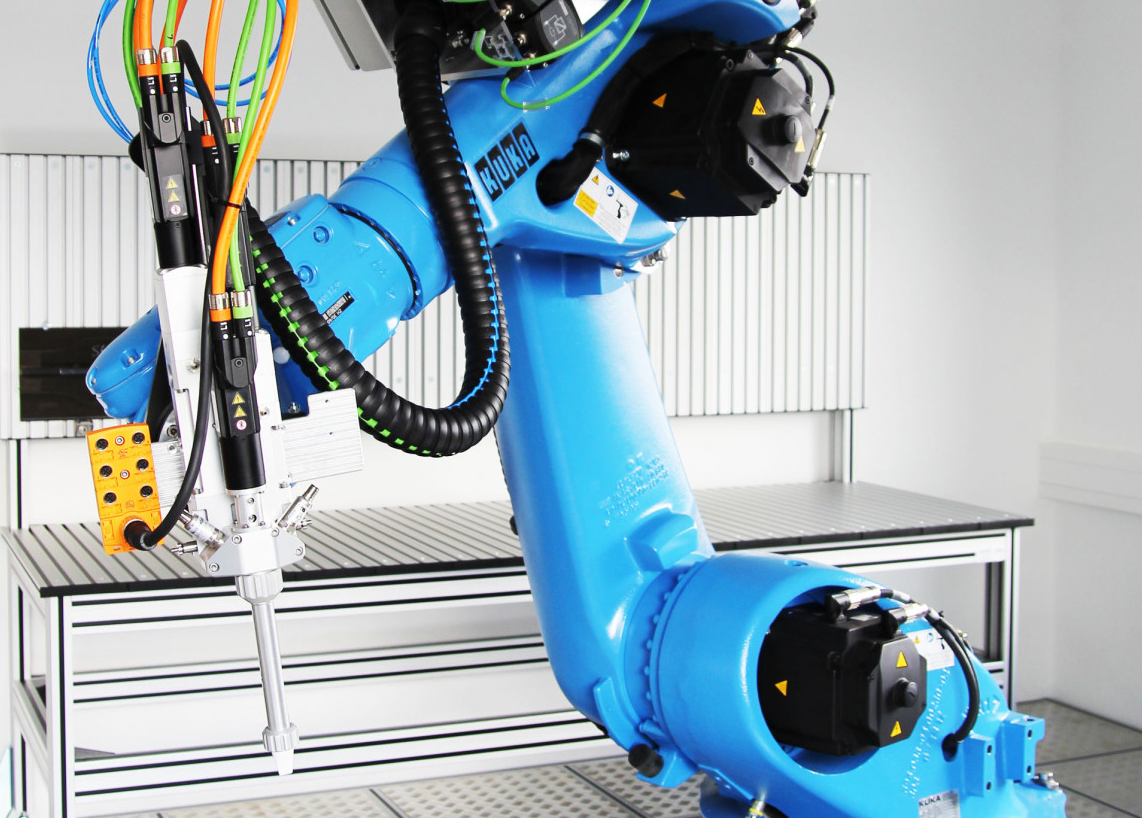
A wide range of two-component materials based on e.g., polyether, epoxy resin, silicone or polyurethane can be dispensed in all areas of application. Due to the parallel alignment of the dispensers, and due to a weight-optimized design, the [vipro-DUOMIX](https://www.viscotec.de/en/2-component-dispenser-compressible-material-dosing/) is very compact – ideal for assembly in robotic cells or for automated applications.

The advantages once more at a glance:

* Flow and back pressure optimized product channels avoid compression of the material to be dispensed.
* Setting of the desired mixing ratio by independent adjustment of the speed of either dispenser
* Dynamically adjustable mixing quality by adjusting the speed of the mixing elements
* Gentle handling of the dispensing material
* Density remains unchanged during the entire dispensing process
* Compact design due to parallel alignment of the dispensers
* Perfectly suited for low to high viscosity materials

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Pictures:

The static-dynamic mixer vipro-DUOMIX

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.

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