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VERMES MICRODISPENSING

NEWSLETTER

Ground-breaking new high-frequency solution by VERMES Microdispensing boost maximum speed dispensing

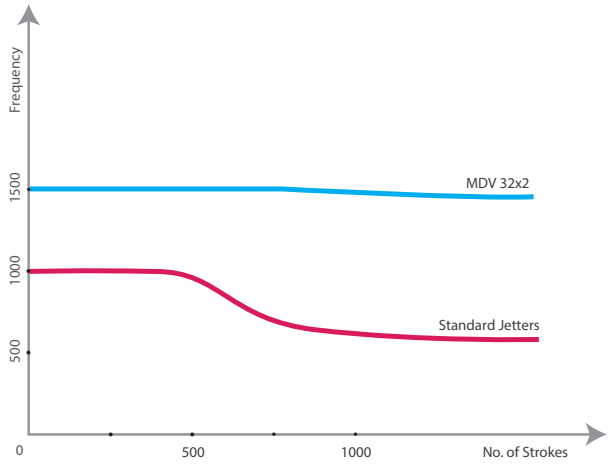
VERMES Microdispensing has once again set new standards with the introduction of its new high-frequency X2 series based on the two product families MDS 3282 and MDS 3252. They deliver smallest dot sizes at highest frequencies with maximum reliability in a wide range of dispensing applications.

This unique product line of the X2 series offers the best solution to close the current market gap in terms of highest throughput and precision.

Industry sectors, such as consumer electronics, medical or automobile strive to bring new products to market in ever shorter cycles.

Product and technical complexity continue to grow while time-to-market is decreasing. The biggest challenge is to produce high quality parts on an industrial scale.

"The ability to operate at the highest speed without compromising precision during the dispensing process would be a great asset to



- **High dispensing frequency with highest throughput**
- **Maximum deposition rate, precision and reliability**

all of these manufacturing industries. We are very pleased with the progress the VERMES Microdispensing teams have made in overcoming this limitation by creating a system that offers the highest throughput at maximum frequency. We are thus bridging the gap in the current market offer," says Juergen Staedtler, CEO and Managing Director of VERMES Microdispensing.

Applications, such as 2D and 3D printing require a high resolution combined with highest throughput. Existing technologies, including the well-known ink jet printers, can only cope with low viscosity media such as ink.

The new valves from VERMES Microdispensing are able to dispense media of highest viscosity for example varnishes and paints that contain solid particles such as pigments.

The areas of application is extremely diverse. 3D printing pastes with fillers made of metal or ceramics, silicone printing in the automotive, healthcare, electronics and lifestyle sectors, overspray-free 2D painting, low-viscosity metallic pastes for solar cells and circuit board printing are just a few more examples where high-speed dispensing with smallest drop sizes and absolute constant results are essential.

The latest VERMES Microdispensing X2 series incorporate a highly effective frame design and optimized cooling system that dissipate unwanted temperatures

The valves MDV 3282 and MDV 3252 with integrated heater and cooling thus ensure the optimal process temperature that is required for each individual medium due to its special nature and viscosity.

The enhanced features of the new series achieve constant dispensing performance at the highest frequency and ensure not only perfect calibration and control at a viscosity up to 2,000,000 mPas, but also a throughput that is far loftier than any system that is currently available on the market.

The piezo technology based jetters operate contact-free and can take any challenge such as layer-by-layer printing processes when dispensing into the smallest cavities where the valve needs to move laterally and vertically in discrete increments.

"Our high-frequency systems MDS 3252 and MDS 3282 allow our customers to increase productivity and performance with the new technology and feature-rich controller software that has been specially developed for the requirements of applications in highly demanding industrial settings," adds Juergen Staedtler, CEO and Managing Director of VERMES Microdispensing.

VERMES Microdispensing GmbH
Rudolf-Diesel-Ring 2
83607 Holzkirchen | Germany

+49 (0) 8024 6 44 0 | +49 (0) 8024 6 44 19

sales@vermes.com | www.vermes.com