

New MDS 3500 Series with Piezo Xtreme 2 technology from VERMES

Microdispensing offers manufacturers next-level application stability

Munich, Germany – December 05, 2023 – VERMES Microdispensing, the world's leading manufacturer of precision dispensing systems, introduces the MDS 3500 Piezo Xtreme 2 based jetting systems designed for heavy duty applications and long durability.



The new systems of the MDS 3500 series are equipped with the patented VERMES Piezo Xtreme 2 encapsulated piezo actuator resulting in highest stroke and speed and perfect resistance to difficult environmental conditions such as temperature fluctuations or humidity.

This advanced, innovative piezo jetting technology extends system life and withstands the most demanding heavy-duty applications, regardless of environmental conditions that can alter dispensing results over time.

VERMES Microdispensing Systems of the MDS 3500 Series with Piezo Xtreme 2 technology

In applications where it is critical that the amount of media applied is absolutely

consistent, dispensing repeatability is paramount.

Exceptional stability with the latest frame technology addresses all industries that require a jetting system to deliver unprecedented contact-free dispensing of complex patterns in minimum quantities with maximum drop accuracy regardless of external factors.

The valve's one-click release bayonet fluid box body allows screwless, tool-free removal and simplified fluid path cleaning and parts replacement while the valve remains in operating position.

This saves manufacturers maintenance time and costs and avoids critical service outages.

The valve can be outfitted with a full range of tappets and nozzle inserts with different characteristics and orifice sizes to meet the specific application requirements of the manufacturer.

These include microdispensing applications in automation and electronics, mechanical engineering, automotive electrics, medicine, pharmaceuticals, information technology and consumer electronics.

Completely flexible fluid box body positioning allows the media supply to be rotated, and the very compact valve can be perfectly adapted to a variety of tasks, including the desired dispensing direction.

About us

VERMES Microdispensing is a high-tech industry leader that ushered in a new era in the design and manufacture of microdispensing concepts and systems with the introduction of the world's first contact-free piezo-based systems in 2001.

We serve the automotive, consumer electronics, semiconductor, communications, medical and pharmaceutical markets with premium quality dispensing solutions for adhesives, silicones, greases, solvents and other fluids in micro-, nano-, and sub-nano liter quantities.

In recent years, leveraging decades of innovation and design leadership in electronic technologies, we have transitioned our business portfolio from a dispensing-centric company to the VERMES Group. Our main business units include VERMES Microdispensing, VERMES Medical Equipment, VERMES Special Machinery and VERMES Solid Oxide Cells Technology.

A world-class knowledge base, unparalleled R&D expertise and a global network of subsidiaries, enable the company to respond quickly and effectively to changing market conditions and customer needs.

More information about VERMES can be found at www.vermes.com.

Press Contact

Birgitt Harrow
VERMES Microdispensing GmbH
Rudolf-Diesel-Ring 2
83607 Holzkirchen
Germany

Phone: +49 (0) 80 24-6-44-335
Fax: +49 (0) 80 24-6-44-19
pr@vermes.com
www.vermes.com