

- UNIQUE BAYONET FLUID BOX BODY WITH INTEGRATED HEATING
- FAST AND COMFORTABLE CONFIGURATION WITH TOP ADJUST
- EFFORTLESS HANDLING AND EASY CLEANING
- UNIQUE BAYONET FLUID BOX BODY WITH INTEGRATED HEATING
- ULTRA-PRECISE CONTACT-FREE DISPENSING
- PEERLESS INTEGRATION INTO TIGHTEST SPACES
- HIGH SPEED PIEZO TECHNOLOGY
- INCREDIBLE APPLICATION FLEXIBILITY



The ultra-precise Micro Dispensing System MDS 3280 is equipped with multiple advanced features to further enhance the dispensing performance.

The modular, highly flexible system has been designed for optimum adaptation to media. It has an innovative “Bayonet Fluid Box Body” and allows perfect and contactfree substrate allocation and fast maintenance.

## Micro Dispensing System MDS 3280 Series



# Micro Dispensing System MDS 3280 Series

## Recommended Media:

The MDS 3280 all-round system, which takes state-of-the-art microdispensing technology into new dimensions further enhances the extremely fine dispensing, especially for high and highest viscosity media. It is suitable for the exact application of a wide range of fluids, such as:

- SMT Adhesives
- Filled Conductive Glues
- Silver Conductive Adhesives
- Solder Pastes
- Solder Fluxes
- Silicones
- LED-phosphor
- Underfill materials

The innovative connector technology of the "Bayonet Fluid Box Body" ensures the flexible coupling between the actual valve body and the fluidic part

This allows easy handling and quick cleaning since the screw-less Fluid Box Body can be removed from the valve drive with one-click.

The ability to dispense droplets with a diameter of less than a human hair (less than 150 micrometers) on the substrate with exceptional consistency, repeatability and shortest cycle times simultaneously improves throughput and reduces production costs.

## Application Examples:

These include micro dispensing applications in:

- Automation
- Electronics
- Mechanical Engineering
- Vehicle Electrics
- Medicine
- Pharmacy
- Information Technology
- Consumer Electronics,

as well as the related diverse component topography, particularly when combined with partially sensitive surface texture of the substrate.

## Major Advantages:

The jet dispensing system MDS 3280 is based on the proven piezoelectric actuator with all the advantages of contact-free dispensing.

The MDS 3280 is characterized by its new valve design ensuring highest performance, cost-effective productivity and excellent dispensing results with uniform and reproducible droplets.

The valve is equipped with the extremely user-friendly "Top Adjust" that allows a quick and comfortable adjustment of tappet and nozzle from the top.

Parameter settings can be quickly and easily changed during operation. This allows the system to rapidly adjust to changing conditions such as variations in material viscosity, modifications of dispensing patterns and the application of different dispensing quantities.

This new, unique design makes the media supply rotatable and the very compact and lightweight valve can be perfectly adapted to a variety of tasks including the desired dispensing direction. It enables fast and seamless integration into the most inaccessible or confined spaces.

The system guarantees free pairing of nozzle and tappet. Booth tappet can be changed while the valve remains in its operating position, avoiding difficult part replacement and critical service outages.

The nozzle heater is integrated in the Fluid Box Body and keeps it constantly at optimum temperature without taking up much space.

Due to the continuous temperature control and the control of the material pressure, the dispensing quality remains absolutely constant until the cartridge / container has been emptied.

# VERMES

••••● MICRODISPENSING

**VERMES Microdispensing GmbH**

Rudolf-Diesel-Ring 2  
83607 Holzkirchen  
Germany  
+ 49 (0) 8024 644 0

[sales@vermes.com](mailto:sales@vermes.com)  
[www.vermes.com](http://www.vermes.com)