

**VERMES**  
..... MICRODISPENSING

## MDS 3500 Series



**The Art of Microdispensing**

# Contact



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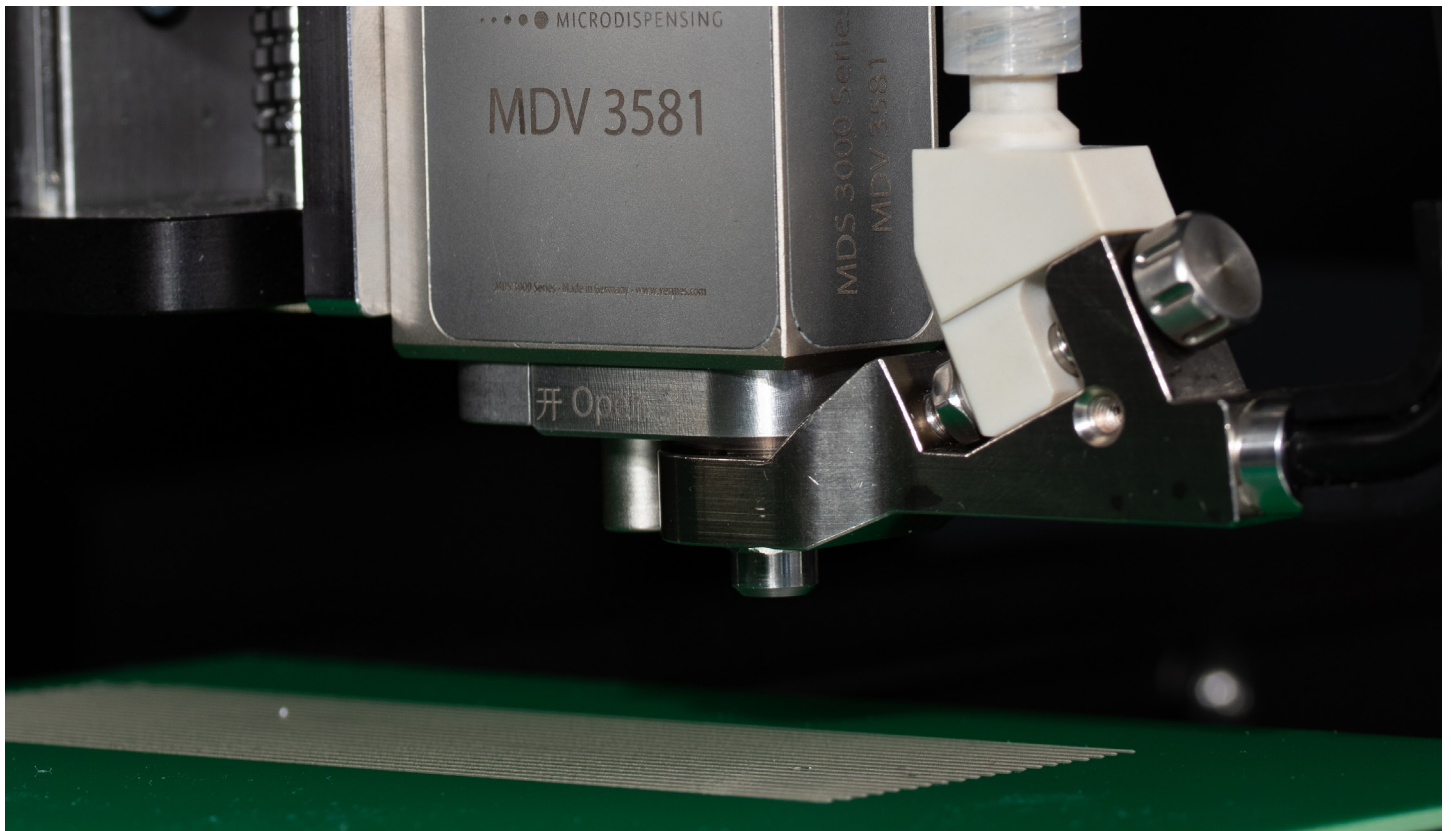
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# Key Applications

- PCB assembly, underfill, 3D packaging
- Microfluidics, diagnostic devices
- Battery manufacturing, sensor applications
- Smart Wearables
- OLED/LCD displays, MEMS production
- Semiconductor fabrication
- Medical Device production
- Lab-on-chip and diagnostic device production in life sciences



# Main Features

## MDS 3581 and MDS 3583 Systems

- **Ultra-Fast Dispensing:** High-speed cycle for increased productivity
- **Unrivaed Precision:** Ensuring consistent and reliable dispensing
- **Advanced Intutive Software:** For seamless integration and optimization
- **Versatile & Adaptive:** Compatible with various media applications
- **Durability & Efficiency:** Engineered for high performance longer dispensing cycle



One controller for the  
whole series:  
**MDC 3500 Controller**



### Abbreviations

MDV - Microdispensing Valve  
MDC - Microdispensing Controller  
MDS - Microdispensing System (MDV + MDC)

Piezo Xtereme 2

Supply  
Module

Fluid Box  
Module

PX2  
PIEZO XTREM 2

## Valve

Equipped with PX2  
powered piezo, a uniquely  
encapsulated piezo with  
highest service life cycle

High frequency, heavy-duty system featuring advanced valve frame technology material engineered for temperature dissipation



# Key Industry

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Engineered to meet the demands of modern manufacturing, our systems deliver contact-free high speed, precision dispensing solutions trusted across many key industries.

Our jetting systems allows ultra-fine, accurate, and efficient dispensing of various media in an assembly, ensuring reliable and maximum performance even in a challenging production environments.

Here are some, but not limited to, industries that depend on our cutting-edge technology for their applications:

- **Semiconductor**
- **Consumer Electronics**
- **Life Science**
- **Automotive**
- **Photovoltaics, etc.**

