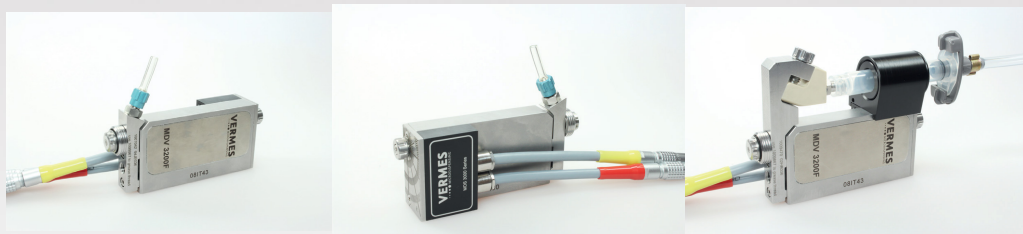


VERMES
MDS 3200F

POLY DISPENSING SYSTEMS

S Y S T E M E S D E D O S A G E I N D U S T R I E L



ULTRA FINE DISPENSING

The MDS 3200F uses a new method to access the maximum system power even with limited tappet movements. This allows for very small drops in the area of 0,3nl or lines with a width of less than 200 μm .

REPRODUCIBILITY OF DISPENSING RESULTS

Software enhanced parameter finding combined with the new control unit MDC 3200+ guarantees the reproducibility of dispensing results and uncomplicated operation by the user. This is true even for systems in parallel assignment.

FULL COMPATIBILITY

The system is fully compatible with the whole range of component parts of the MDV 3200A, including nozzle inserts and other parts in contact with the dispense material.

VERSATILITY

Freely adjustable parameter settings allow customizing the jet properties to fluid properties.

Electronic control unit allows change of dispensing parameters without delay

Modular design allows user defined configurations for various applications.

PRECISION

High repeatability of drop-to-drop dispensing volume for material of all viscosities

Precise positioning onto miniature parts

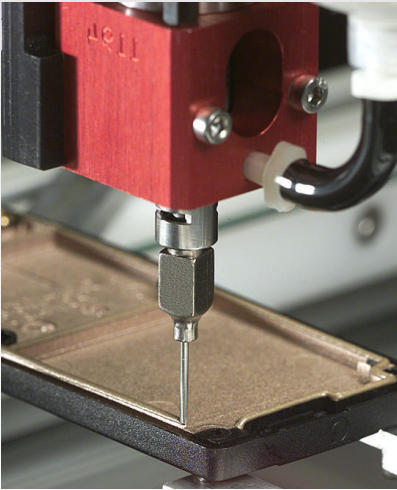
Dispensing into cavities, grooves and irregular surfaces

FORCE

Converting the force of the latest generation piezo through sophisticated mechanics, the MDS 3200F can jet highest viscosity media with pressures

Recommended media	SMT adhesives (also filled conductive glues with high solid content), silicones, underfill materials, other high viscosity media	
Dispensing quantity	Min. 0.3 nl per pulse (depending on medium)	
Dynamic viscosity	Medium - high - and highest viscous media up to 2 Mio mPas	
Tappet	Exchangeable, different shapes, monolithic ceramics	
Supply pressure	0,1 - 8 bar, max. 100 bar	
Media resistance	Resistant against a very wide range of media, as all components in contact with medium can be selected from list of materials	
Dispensing frequency (max.)	3000 Hz	
Dimensions	Valve : 95 x 39.5 mm x 23 mm	Control unit : 101.6 mm x 295 mm x 128.4 mm for installation into 19" rack
Weight	Min. 258g (depending on configuration)	
Power connection	110/240 V AC, 50/60 Hz power socket (back side)	
Valve operating modes	Burst mode : predefined burst after trigger signal Single shot mode : path length dependent triggering Infinite mode : number of shots controlled by external trigger External mode : open time controller by external trigger	
Heating system (optional)	Regulated nozzle heating : 120° C, higher upon request	
Parameter sets memory	4 sets internally can be switched in real time 10 sets internally, externally unlimited	
Standard interfaces	RS232C; 24V / 5V PLC, AUX	
Additional functionality	Multiple user defined cycle counts (e.g. media use, wear & tear of tappet, nozzle)	

Poly Dispensing Systems



PDS S.A.S is a french company that commercializes a wide range of dosage equipments, proven and effective.

Distributed in over 20 countries around the world, these equipments provide tailored solutions to many users in order to improve technically their manufacturing and reduce their productions costs.

Our collaborators and sales engineers all have a strong technical competences. They are able to answer your questions and offer you, after analysis, the right solution for your particular need

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