News Release

VERMES Microdispensing launches its next generation Hot Melt System Solution offering highest process accuracy and application flexibility

VERMES Microdispensing Hot Melt System for highest accuracy and application flexibility

Munich, Germany, September 25th, 2017 – The next generation Hot Melt System Solution from VERMES Microdispensing offers multiple options for most complex dispensing patterns with precise droplet break-off that ensure ultra-thin lines and beads at highest dispensing speeds. The advanced solution achieves extremely rapid dispense cycles with uniformly distributed adhesives resulting in improved end product yields.

"A large hot melt dispensing market is the electronics sector ever-smaller electronic devices, gadgets, smartphone components and high precision molded components. Typical applications require line widths between 200-500 µm and high levels of accuracy and consistency," states Juergen Staedtler, CEO of VERMES Microdispensing.

VERMES Microdispensing's Hot Melt Solution offers superior process control and accuracy that is required in high-tech automated production operations.

The Hot Melt Solution which is based on the high-speed jet valve MDV 3250+ is designed for a broad range of hot melt types, including the widely used PURs (Polyurethane hot melt). It complements the unique heating concept by VERMES Microdispensing that offers customized heating solutions for high and highest viscous applications.

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The heating solutions are designed to perfectly coordinate with the dispensing process accomplishing significantly improved precision, drop reproducibility and performance.

The integrated cartridge heater of the new Hot Melt System Solution continuously heats the hot melt to its melting point ensuring highest process stability. During the entire process the temperature is precisely monitored by the MFC universal, a multifunctional heating controller of VERMES Microdispensing.

The modular and flexible design of the VERMES Microdispensing solutions allows for the systems to be easily and individually configured. The user can choose from a range of equipment for different flow rates and viscosities.

That offers a perfect solution from laboratory devices to high volume production systems increasing production efficiency and providing significant cost savings.

"Our Hot Melt Solution stands for dispensing accuracy and perfect heat control, fluid pressure regulation and flow calibration for highly precise hot melt applications," adds Juergen Staedtler. "It allows most flexible adjustment and highest repeatability delivering uniform flow to the substrate at a constant rate."

About us

Headquartered in Germany, VERMES Microdispensing revolutionized microdispensing technology with the introduction of its contact free piezo-based MDS 3000 series in 2001. Today, the company is a world leader in the design and manufacture of innovative microdispensing concepts and systems for adhesives, silicones, greases, solvents and other fluids.

VERMES high precision MDS 3000 valves support modern manufacturing processes across the globe, e.g. for automotive, pharmacology, smart phones, TV sets, lamps, wafers, automated manufacture of LEDs, MEMS components, RFID tags, LC displays and many other electronic devices.

Our systems enable our customers to achieve contact free dispensing of highly viscous media droplets in the micro and nano-liter range at theoretical frequencies of more than 3000 Hz; a rate that is unique in our industry.

VERMES Microdispensing employees are dedicated to providing the best technologies and services to its customers around the world with the ultimate aim of contributing to increased throughput, improved quality and lower production costs. More information about VERMES Microdispensing can be found at www.vermes.com.

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