

ACHEMA

DAILY

+++ Offizielle Messezeitung +++

BILINGUAL EDITION



MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

JUNE 13, 2018

MONDAY

TUESDAY

WEDNESDAY


THURSDAY

FRIDAY

JUNE 15, 2018

MILLING

A Modular Milling Solution for Research and Development

 The Fredrive-Lab is a modular milling solution for research and development laboratories, as well as analytical laboratories in the pharmaceutical, cosmetic, fine chemical and food industries. It integrates five different milling processes in a single system. Users can alternate between different milling processes simply and rapidly, says the developer of the system, Frewitt. The five separate milling heads can be interchanged on the same Tri-clamp flange. The ability to integrate five milling processes in a single device reduces the upfront investment costs for process scaleup equipment, the company says. One of the equipment types that is part of the Fredrive-Lab is the Pinmill-Lab, a high performance pin mill designed for reducing hard

or crystalline solid products down to a particle size with a D90 of 10 microns. It produces particles in the size range between 2 mm and 10 microns. The Pinmill-Lab is ideal for processing small-scale laboratory batches of solid materials in the range of 50 g to 2 kg, the company says. In addition, the Pinmill-Lab can be used for pilot-scale production, allowing a production rate of between 30 and 50 kg/h. Due to the innovative geometry of the milling housing, the device allows product recoveries of up to 99%, says Frewitt. The temperature range for the products is between -20 and as high as 60 °C. The device's compact design makes it easy to integrate and set up within any laboratory, including integration into a glove box. The Pinmill-Lab has the ability to integrate an inerting system with oxygen level control, and can be cleaned easily with the possibility of sterilization. Other features include a directly integrated volumetric dosing system. The Fredrive-Lab line was developed in collaboration with teams of R&D professionals from selected, market-leading customer companies, Frewitt says.

Other features and options for the Fredrive-Lab include a high-containment system, a powerful human-machine interface available in three languages, a five-inch touchscreen, alarm monitoring and more.

★Frewitt,
Hall 3.1, Stand D27



Source: Frewitt

The Pinmill-Lab is one of five heads available for the Fredrive-Lab laboratory milling system.

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