

In the Spotlight

Pharmaceutical Science & Technology Innovations



UltimaPro 10
(Collette NV, Niro Pharma Systems)

Swinging Bowl Improves Granulate Quality

The “UltimaPro 10” from Collette NV, a member of Niro Pharma Systems (Columbia, MD), is a one-pot processor that uses a swinging bowl to move the product during drying.

The swinging action brings the product into contact with a heated wall without activating the mixer arm, thus preventing mechanical stress on the product. The system also reduces drying time because the contact surface between the product and the heated wall is increased. According to the company, the system improves upon traditional open granulation processes because the entire process is contained.

The UltimaPro 10 system can handle batches ranging from 1 to 3 kg and can operate using almost any drying technique.

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Monobloc Filling System
(National Instrument Company, Inc.)

Automated Filling System Eliminates Contamination

National Instrument Company’s (Baltimore, MD) compact “Monobloc Filling System” for precapped microtubes is a completely automated production system for presterilized, precapped microtubes.

The automated system removes the cap of each microtube, performs a filling operation, and recaps the microtube without any movement of the cap. “This machine eliminates possible particulate and contamination, which is an important feature when filling microtubes and vials with cell culture and DNA/gene-based products,” remarks Ron Nicholas, area sales manager of National Instrument Company.

Designed for use in a cleanroom environment, the compact unit measures 3×4 ft and can process 25–85 containers/min. Models are available to handle both microvials and cryogenic tubes.

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NVision
(Nalge Nunc International)

Transparent Packaging Bottles Offer Resistance

The “NVision” packaging bottles from Nalge Nunc International (Rochester, NY) offer a combination of clarity and chemical resistance.

The tamper-evident bottles are constructed of a clear polypropylene copolymer resin that meets elevated chemical resistance standards, and the clear material allows users to see the contents of bottle. “Although many polypropylene bottles have good chemical resistance, they don’t have the kind of clarity that NVision bottles have,” explains Rick Haggerty, product manager of “Nalge” containers.

The bottles are equipped with a tamper-evident system and have optional leakproof valve seals and lined closures with foil induction seals. All bottles have 15% headspace and are available in 125-mL, 500-mL, 1-L, and 2-L sizes.

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New Product Announcements

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