



Equipment & Processing Report

by **Pharmaceutical Technology**

January 19, 2022

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PRODUCTION TRENDS

Pandemic Drives Digital Transformation

The benefits of digitalization in bio/pharmaceutical manufacturing were highlighted by speed and successful integration during the COVID-19 pandemic.

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NEWS

FDA Keeps New Drugs Coming

FDA maintained a steady pace in 2021 in approving important new therapies for market, including new vaccines and treatments for COVID-19.

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Merck KGaA Acquires CDMO Exelead

The agreement will add to Merck KGaA's LNP and mRNA capabilities.

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PACKAGING

Sustainable Shippers for Ultra-Cold Conditions

Protective shippers ensure COVID-19 vaccines arrive safely.

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[MORE PACKAGING](#)


2022 Bio/Pharma Trends: US-Based Suppliers, Digitalization, and Sustainability

In this inaugural episode of the *Pharmaceutical Technology* Drug Solutions podcast, Chris Spivey, editorial director, and Meg Rivers, senior editor, interview experts on up-and-coming 2022 trends in the bio/pharma industry. Listen for insight from experts from CRB, MilliporeSigma, BMS and more.

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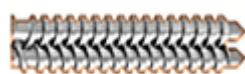
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Electrostatic Spray Drying to Produce Solid Protein Formulations

Watch this exclusive video from AAPS where Tarun Mutukuri, PhD, from Purdue University presented Fluid Air's poster Electrostatic Spray Drying to Produce Solid Protein Formulations at AAPS 2021 PharmSci 360.

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SPONSOR SHOWCASE



Leistriz Extrusion manufactures twin screw extruders for continuous melt extrusion and granulation....lab scale & production....and offers a Extrusion Process Development Laboratory.

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Accelerating DCS and PLC Integration with Module Type Packaging (MTP)

One of the first automation vendors to support NAMUR's standard, Emerson introduces Module Type Package (MTP) solutions to enable seamless integration of our DeltaV™ DCS and PACSystems™ PLCs. By integrating distributed processes, reliability assets, and equipment, system integrators and manufacturers simplify fulfillment of customer requirements, improve scalability, and accelerate time to market.

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WEBCASTS

Nanoparticles for Drug Delivery

On Demand

Dosage Form Design & Patient Compliance: Exploring ODTs as a Patient-centric Solution

Thursday, January 27th 2022 at 11AM EDT | 4PM GMT | 8AM PST

[MORE WEBCASTS](#)

EVENTS

IFPAC

Feb. 27–March 2, 2022 | North Bethesda, MD

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eBOOK



Biologics and Sterile Drug Manufacturing 2021

The editors review manufacturing and operations considerations, including fill/finish, packaging, and supply chain; detecting contamination; and the impact of COVID-19 on biologics regulations.

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