**Newsletter Instruction Sheet PharmTechNorth America EPR**

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**Name of Print Publication:** Pharmaceutical Technology

**Name of Newsletter:** Pharmaceutical Technology Equipment & Processing Report

**Subject Line: Drug-Device Combination Products, Inhalation Device Development Best Practices; Machine Vision Technology**

PHTE Equipment & Processing Report

**<Note new mailing lists below>**

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ECN Group                   PHTE\* - Equipment & Processing Report | Monthly

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From Line: Pharmaceutical Technology Equipment & Processing Report pharmtech@advanstarpharmtch.com

Mail Date: Aug. 21, 2019

Time to send: 9 am Eastern US time

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## PRODUCTION TRENDS

Headline: What Pharma Needs to Understand About Combination Product Development

Summary: Regulatory, cultural, and technical differences between drug and device development can pose challenges to pharmaceutical combination product development.

URL: <http://www.pharmtech.com/what-pharma-needs-understand-about-combination-product-development-1?topic=341,356>

## Best PRactices in inhalation device development

Headline: Best Practices for Developing Dry Powder Inhaler Combination Drug-Device Products

Summary: Consider both the device characteristics and the powder properties when developing a DPI product.

URL: <http://www.pharmtech.com/best-practices-developing-dry-powder-inhaler-combination-drug-device-products>?topic=378,341,356

Headline: Taking a Systems Approach to Inhalation Therapy Development

Summary: Successful development requires coordinating and aligning drug and device design, focusing on a complete drug delivery system that meets patients’ needs.

URL: <http://www.pharmtech.com/taking-systems-approach-inhalation-therapy-development>?topic=378,341,356

Headline: Optimizing Particle Engineering Methods for Inhalation Drug Products

Summary: Jet milling and spray drying can be used to obtain appropriate particle characteristics.

URL: <http://www.pharmtech.com/optimizing-particle-engineering-methods-inhalation-drug-products?topic=378>

## in the news

Headline: Nephron and Clemson to Develop Robotics for Syringe Filling

Summary: Nephron Pharmaceuticals is partnering with Clemson University to create a robotic solution for syringe-filling automation to enhance sterile manufacturing.

URL: <http://www.pharmtech.com/nephron-and-clemson-develop-robotics-syringe-filling-0?topic=311>

Headline: Lonza Expands Florida Solid-Dose Facility

Summary: The expansion of Lonza’s Tampa site includes development and manufacturing capabilities for encapsulation and handling highly potent compounds.

URL: <http://www.pharmtech.com/lonza-expands-florida-solid-dose-facility?topic=350>

## PACKAGING

Headline: New Machine Vision Technology

Summary: New systems are designed for inspecting primary and secondary packaging for defects.

URL: <http://www.pharmtech.com/new-machine-vision-technology?topic=343>

“More Packaging”

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## EDITOR'S PICKS

**Headline:** Software Expands Asset-Management and Recovery Capabilities

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Summary: Rockwell Automation’s updated FactoryTalk AssetCentre software supports several new types of production assets.

URL: <http://www.pharmtech.com/software-expands-asset-management-and-recovery-capabilities?topic=316>

**Headline:** Instrument Measures Protein Titer in Real-Time

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Summary: The at-line Tridex Protein Analyzer from Idex Health & Science measures titer directly from a bioreactor.

URL: <http://www.pharmtech.com/protein-analyzer-offers-ability-measure-protein-titer-directly-bioreactor-0?topic=311>

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## EVENTS

  Headline: PDA/FDA Joint Regulatory Conference

Date: Sept. 16–18, 2019 | Washington, DC

URL: <http://www.pharmtech.com/node/379403>

Headline: Pack Expo and Healthcare Packaging Expo

Date: Sept. 23–25, 2019 | Las Vegas, NV

URL: <http://www.pharmtech.com/healthcare-packaging-expo-0>

<URL for "More events" <http://www.pharmtech.com/events>  >

## eBOOK

use ebook image – May 2019 PT ebook

Headline:Biologics and Sterile Drug Manufacturing 2019 eBook

Description: The editors explore novel technologies for the formulation, manufacture, purification, and delivery of sterile small- and large-molecule drugs including single-use systems, facilities and equipment, contamination issues, and process analytics.

URL: <http://findpharma.hs-sites.com/biologics-sterile-mfg-2019>

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