

Dec Group to promote DPI micronization solutions at DDL Edinburgh



Press Release | DEC Group

Ecublens, Switzerland: – Powder handling and containment specialist Dec Group (Dec) is returning to the Drug Delivery to the Lungs (DDL) Conference in Edinburgh, Scotland, to showcase its advanced solutions for micronization of powders under high containment.

Dec has become an established presence at the influential scientific conference, which celebrates its 30th anniversary in 2019.

High containment fluid jet mills

Centerpieces of the Dec display at Booth 345 at the EICC in Edinburgh will be the MC DecJet[®] 50 & 200 fluid jet mills, featuring a flexible canopy for cyclone filter changes under rigorous isolation and high containment. This new generation of Dec's spiral jet mills has been developed to master the challenges when micronizing 'sticky' corticosteroids such as fluticasone.

MC DecJet[®] jet mills are ideal for dry powder inhalation (DPI) applications, able to achieve tight particle size distribution (PSD) Gauss curves with typical measurement $d_{50} < 2 \mu\text{m}$, ensuring effective drug deposition in the small peripheral airways of the lungs.

Low consumption, high recovery yields

- **The MC DecJet[®] 50** is a research oriented jet mill that is ideal for clinical trials and scale-ups of extremely small batches of high value products, narrow PSD and very low product loss. Key design themes are simplicity, ease of maintenance and easy cleaning. The DecJet 50 boasts lower consumption of process gas than any similarly sized jet mill on the market.

- **The MC DecJet® 200** is designed for production scale, able to micronize up to 40 kg per hour. It shares many of the simplicity, clean form factor and ease of use design themes, as well as very low specific consumption of process gas.

Both units can be integrated with containment hoods, isolation glove boxes and other Dec components such as the PTS® Powder Transfer System for working with highly active ingredients.

DPI applications

The **MC DecJet®** mills are just part of a suite of solutions developed by Dec for handling and processing the potent substances used in DPI applications. These range from incoming material handling, mixing, dosing and inhaler filling.

“We are delighted to join the Aerosol Society to celebrate the 30th anniversary in the valuable DDL event,” commented Dec Group Marketing specialist, Gabriela Mikhael.

“This is a very high attainment group of professionals in the specialist field of DPI that involves working with problematic powders under very high containment. We can show that we can offer completely contained solutions from the handling of the incoming powder, micronization in the isolator to the blending and inhaler filling operations,” said Ms. Mikhael.

About Dec Group

Dec (Dietrich Engineering Consultants) Group is a leading global provider of contained powder handling systems and is recognized as a world-leading expert in process containment technologies. It has been supplying the pharmaceutical, chemical, food and cosmetic industries for more than 30 years.

Headquartered near Lausanne, Switzerland, Dec Group has a global presence with subsidiaries and agents in more than 30 countries including subsidiaries in the UK, Ireland, Germany, Poland, India, China and the USA.

In excess of 600 companies worldwide have successfully integrated more than 9000 Dec systems into their production sites. These include a wide range of patented products that enhance safety, hygiene, containment, reliability and productivity in powder handling.

Dec offers innovative approaches across the range of powder handling and process containment applications, including transfer, micronizing, filling/emptying, sampling, blending, dosing, aseptic solutions, milling, isolators and advanced cleaning (CIP/SIP) features.

About DDL 2019

The Drug Delivery to the Lungs (DDL) Conference (DDL) provides an annual forum for scientists, academics, clinicians, regulatory and industry specialists involved in developing medicines for inhalation.

The 30th anniversary meeting, DDL2019, is a three-day event opening December 11 at the Edinburgh International Conference Center at The Exchange close to University of Edinburgh.

The 2019 conference will feature five themed sessions each with a combination of invited and submitted lectures given by experts in the field of inhalation and students working to advance respiratory science. Major themes will include sustainability and environmental concerns, personalization and prediction and future technologies for formulation and devices.

The evening of Day Two (December 12) will feature a gala dinner to celebrate 30 years of the conference.

The event is organized by The Aerosol Society, with more information at: <https://aerosol-soc.com/events/ddl2019/>.

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MC DecJet® 50 is designed for easy operation
and cleaning in the laboratory



MC DecJet® 200: Production scale

DEC Group

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