

Dry Powder Filling

Fully scalable fine powder filling solutions for all DPI dosage forms through clinical and commercial manufacturing

Catalent offers advanced dry powder inhaler (DPI) filling capabilities for a broad range of dosage forms

Strengthening our position as one of the world's leading providers of pulmonary and nasal product development, manufacturing and packaging services, Catalent Pharma Solutions now offers advanced Omnidose™ filling technology from Harro Höfliger. This flexible platform can support all of your clinical manufacturing needs through Phase II/IIb – and provide a scalable path from regulatory submission to higher volume late-stage clinical and commercial manufacturing.



Omnidose™ filling technology from Harro Höfliger.

Accelerating your path to commercialization for all inhalation dosage forms

- **Microdosing capability** – The Omnidose™ system provides powder filling for microdosing (1-300 mg of powder) without segregation or compaction of powder.
- **Fully scalable** – A range of dosing volumes is available to support your pharmaceutical inhalation product needs for both test production runs and small and large batches. Even at the earliest stages of development, we can help you plan for transferring the dosing process to large-scale production.
- **Versatile and flexible** – Our filling capabilities can be tailored to your specific needs for an array of device formats, including capsule-based, pre-metered blister and reservoir device formats.
- **Reduces formulation time** – With options including both the Mettler Toledo Quantos™ and Omnidose™ systems, Catalent can handle either pure powders or active drug/carrier blends with a range of bulk properties to accelerate – and enhance the quality of – the product development cycle.
- **Ideal for high-value powders** – The Omnidose™ system achieves low residual volumes in the hopper, making it an ideal choice for processing very expensive powders with minimal waste.
- **High speed and capacity** – Catalent offers capsule and blister filling up to approximately 1,800 doses per hour.
- **Environmental control** – Catalent provides contamination-free product with formulations filled in a Class 10,000 clean room environment.

Catalent also offers a variety of supporting capabilities, including

- Methods development/methods validation
- Formulation development
- Dosage form development
- Extractable and leachable testing
- Product characterization and technology assessments



Powder filling in a variety of dosage forms.

Customized solutions to your DPI challenges

Catalent's services include:

- Powder evaluation and characterization
- Formulation of low- and high-dose powder systems
- Formulation of carrier-based or pure drug aggregated systems
- Evaluation of moisture effects on powder properties, formulation stability and aerosol performance
- Device evaluation and selection

Your partner for success

Catalent's comprehensive pulmonary and nasal development services can help expedite your product from concept and feasibility studies through all stages of the product life cycle. Our experienced pulmonary and nasal team has helped our clients with the successful commercialization of products in all dosage forms, including DPIs, pMDIs, nasal sprays and solutions/suspensions for inhalation.

With global expertise, integrated capabilities, advanced technical expertise, and a proven record of success, Catalent is your full-service partner for the development of all inhalation dosage forms.

Catalent is well positioned to serve you wherever you do business. Contact us today.

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