

ICONOVO



Enabling effective inhalation

Dry powder inhalers based on multiple inhaler platforms

We bring inhalation expertise to your business



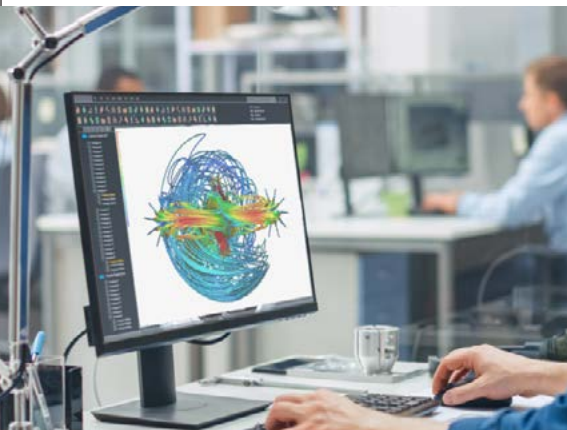
Innovative and effective inhalation platforms for a global market

Development of inhalation devices requires both a device technology platform and formulation expertise. Iconovo is a leading Swedish company offering innovative and effective inhalation platforms for a global market, both for novel and generic pharmaceuticals. The time our engineers and pharmaceutical experts already have invested in our inhaler platforms, will transform your product development.

We offer reliable dry powder inhaler solutions based on four proprietary differentiated technical platforms. We develop unique inhaler products in close collaboration with our customers, at reduced project risk. Iconovo has significant experience and expertise in developing inhaler products together with pharmaceutical companies.

Seeking a fast and safe way to the market?

We work with international generic drug companies and pharmaceutical companies that lack the expertise, resources and/or time to develop the inhaled product themselves. Our development time is shorter and consequently more cost-effective since we have ready-to-use inhaler platforms with inhaler devices that can be modified for a specific drug.





ICOres – plenty of twists

-  **Excellent choice for maintenance treatment**
Pre-filled with up to 180 doses
-  **Perfect for combination products**
Dual reservoirs
-  **Intuitive handling**
User-friendly, ergonomic design
-  **Makes the user feel being in control**
Exact dose counter
-  **Gives proof of successful inhalation**
Visual inhalation feedback
-  **Superior inhaler and formulation protection**
Screw-on cover and integrated desiccant
-  **Competitive cost**
Designed for fully automatic assembly and low-cost manufacturing

Flexible multi-dose dry powder inhaler with feedback features





ICOcap –treatment in a snap



Easy to handle, no loose parts

Unique design with integrated mouthpiece cover and patented integrated hinge



Freedom of design

Exterior can be customized to customer's demands of shape and color



Flexible choice

Designed with low flow resistance but can be customized to a flow resistance of choice



Flexible dosing

Designed for standard size 3 capsules but can be adapted for larger sizes



Fast way to market and no investment in device manufacturing equipment

Commercially available off-the-shelf from Stevanato

Capsule based dry powder
inhaler, available off-the-shelf





ICOone –when one breath is enough

- ◇ **Low unit price for small packs**
Single-dose, disposable device
- ◇ **Ultra-low cost manufacturing**
Smart construction
- ◇ **Easy to carry, discreet to use**
Small size
- ◇ **Ensure proper patient use**
Easy and intuitive to use – load and inhale
- ◇ **High uniformity**
Individually measured doses
- ◇ **Allows for a range of therapies**
Can carry up to 50 mg of inhalation powder
- ◇ **Superior drug protection**
Sealed in aluminium foil with integrated desiccant
- ◇ **Great for combination drugs**
Optional second cavity

Single-dose disposable dry powder inhaler for discreet use






Reversed Vortex
technology

Small size - 50 x 23 x 11 mm
(L x W x H)



ICOone Nasal – Easy as a sniff

Based on the proven ICOone platform

-  **Natural mucosal deposition**
Inspiratory flow driven nasal delivery device
-  **Controlled airway distribution**
The distribution can be controlled by particle size to reach nose or lungs
-  **Large dose feasible**
Handles up to 50 mg powder formulation
-  **Ultra-low cost manufacturing**
Attractive cost even with two devices
-  **Easy to carry, discreet to use**
Small size
-  **Humidity protection**
Sealed cavity protects powder formulation
-  **Easy and intuitive to use**
Open-Inhale user operation
-  **Optional second cavity**
Designed for combination drugs

Inspiratory flow driven single-dose nasal delivery device





ICOp_{re} –easy as one, two, three



Consistent dosing, ideal for once-daily products

Pre-metered device, pre-filled with 30 individually sealed doses



Suitable for mono, duo or triple products. Each formulation can be developed separately

Two-compartment system



Easy to see the remaining number of doses

Exact dose counter



Easy to use

Three-step operation: Open-Inhale-Close



Developed for global registration including USA as an AB-rated substitution of Ellipta

Same operation as Ellipta



Good humidity protection

Aluminium foil seal



Versatile inhaler for many types of molecules

Suitable for both carrier-based and spray-dried formulations

Pre-metered dry powder inhaler for simple, once-daily treatment



Linear Circle
technology



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