Inhalation Product Technology Centre (IPTC)

Our Inhalation Product Technology Centre (IPTC) is a specialist R&D facility that supports our pharmaceutical customers with the component screening, analytical development and in-vitro characterisation. With our in-depth knowledge of MDI components and formulations, IPTC can minimise development cycles, recommend suitable MDI components, and provide a faster route to market.

Quantum Dose Indicator

Quantum® dose indicator is the very first on-can metered-dose inhaler end-of-life solution, ensuring patients don't run out of their medication. It’s cost-effective, disposable, and simple to use – and, as it includes no mechanical parts, it’s extremely reliable.

Built into our MDI canisters, the Quantum system can be used with any standard actuator and is compatible with current filling and packaging lines. Quantum works with a smartphone health management system which is used to take readings and manage a patient’s asthma or COPD.

Counting Solutions

H&T Presspart offer an FDA approved integrated mechanical dose by dose counting system – a licensed design from 3M – which is suitable for any generic or new chemical entity development and compatible with all marketed pressurised MDI valves.

Available as a dose by dose counter for 120 puffs or dose by dose indicator for 200 puffs, it can be incorporated in to H&T Presspart’s range of actuators and also custom actuator configurations.

MDI Canisters

H&T Presspart manufacture 80% of the world’s MDI cans at our plants in Blackburn, England and Marsberg, Germany. Our standard canisters are 10ml, 14ml, 17ml, 19ml and 22ml, and we can design and manufacture specialist smaller cans, sleeved cans for lower dosing, and cans to fit all valve sizes, including gasket and o-ring sealed valves.
As the world’s leading supplier of actuators for MDIs, H&T Presspart can provide actuators from a standard range of designs to meet pharmaceutical requirements for your formulation, valve and canister types.

H&T Presspart produce a wide range of injection-moulded plastic actuator components for the pharmaceutical industry. We create actuators for all standard pharmaceutical valve sizes and with years of MDI experience and in-house formulation expertise we can help you choose the most likely actuator for your container closure system.

H&T Presspart follow best practice in all aspects of design, manufacturing and quality systems, with production under clean-room conditions at our facility in Tarragona, Spain. Our range of MDI actuators are suitable for solution or suspension formulations and are compatible with all MDI valves, MDI canisters.

Key features of our dose counter range

- Procure based on your needs – with the actuator as a stand-alone product or as an MDI bundle including canister, dose by dose counter/indicator or smart phone compatible end of life indicator system (Quantum).
- Reduce your development time and cost by choosing from standard product ranges which are available to match the formulation and requirements of your container closure system.
- H&T Presspart’s in-house Inhalation Product Technology Centre can offer formulation, MDI design and performance advice.
- Reliable, quality product due to consistent manufacturing processes ensuring continuity in batch production.
- Reduce risk of particle contamination by manufacturing in a pharmaceutical grade ISO 8 clean-room environment.
- Pharmaceutical grade polymers and masterbatch colours to meet your market needs. Working with H&T Presspart ensures you have the right solution for regulated or emerging markets, with an actuator range that accommodates a dose counter or indicating mechanism.