

FILL2WEIGHT GRAVIMETRIC POWDER FILLER



Flexible powder dosing system designed to handle **challenging powders** with **highly accurate filling**.





FILL2WEIGHT
GRAVIMETRIC
POWDER FILLER

GMP-ready, gravimetric powder filling platform.

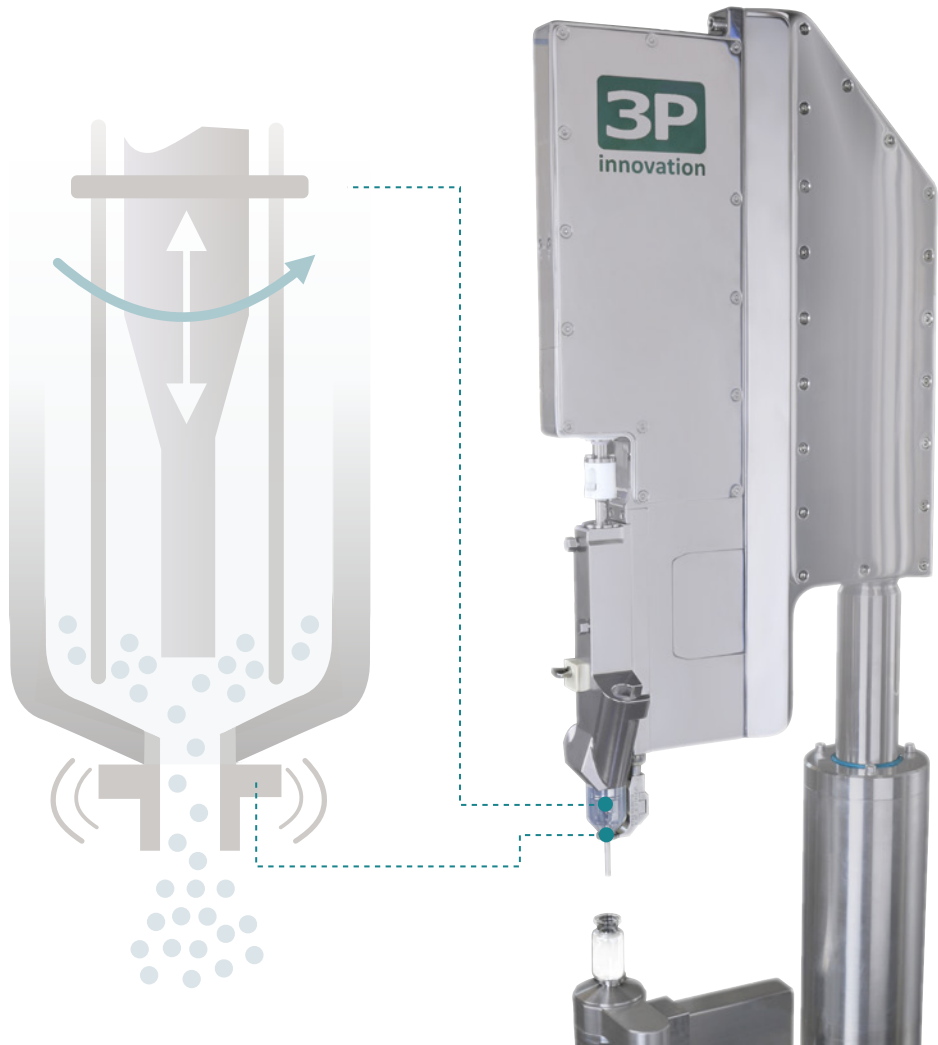
Whether you're developing inhalation therapies or parenteral products, Fill2Weight uses gentle, non-compacting powder handling to preserve the integrity of even the most delicate formulations.

HOW DOES
FILL2WEIGHT
WORK?

Fill2Weight continuously adjusts in real time, responding to feedback from a high-speed weigh cell.

Smart dosing algorithm automatically optimises dispensing parameters, **ensuring accuracy even with the most challenging powders.**

Target dose weights are set directly through an intuitive HMI - no need for complex change parts or time-consuming adjustments.



INHALATION

Fill2Weight enables precise, reproducible filling of dry powders into **capsules, blisters, oral and nasal inhaler devices**. It ensures accurate dosing of everything from typical respiratory therapies through to inhaled biologics.

- Gentle, vibration-based system maintains particle integrity without compaction, preserving drug efficacy and aerosolisation performance.

Scalable by design

All our core technology is fully scalable.

Fill2Weight can be closely stacked for multiple head-up filling in higher-output solutions.

Fill2Weight can be integrated into our **Robotic Capsule Filler**, capable of filling up to 1000 capsules per hour.



PARENTERAL - ASEPTIC

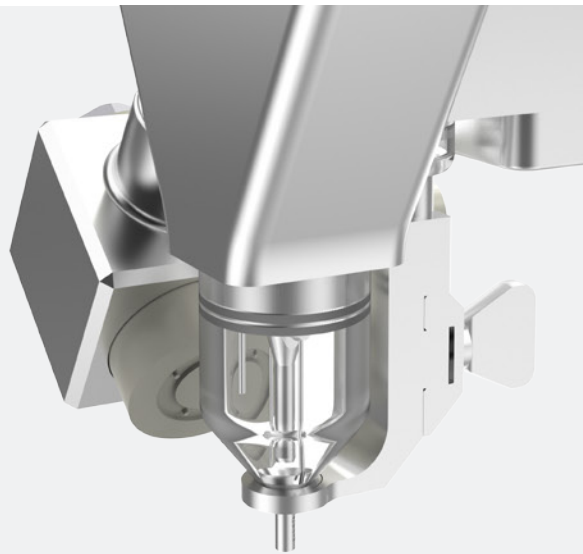
Highly accurate dosing of sterile powders directly into **vials, cartridges, reconstitution devices and syringes**.

Consistent fill weights without compromising sensitive formulations.

Proven success with advanced formulations such as spray-dried biologics and lyophilised vaccines.

Requires as little as 2-3 grams of powder with an excellent recovery rate.

- Suitable for large parenteral doses.
- All product contact parts are removable and autoclavable.



TECHNICAL DETAILS

Compliant

Every dose is weighed, verified, and any out-of-spec doses are rejected, ensuring the highest quality standards.

Dose sub 1 mg

Dose very small quantities of powder; including high-potency drugs and pure API.



PRINCESS ROYAL
TRAINING AWARDS



SMART ENGINEERING. INNOVATION BEYOND AUTOMATION

3P innovation is the UK's leading supplier of aseptic fill-finish equipment, trusted by multinational clients to bring innovative products from concept to market. With over 1,000 years of combined engineering expertise, we provide end-to-end support for product development, production, and commercialisation.

pharma equipment

Pharma equipment is our unique portfolio designed to support you through the different phases of your product life cycle - from initial drug development, through clinical stage manufacturing and on to commercial scale production. With a focus on quality, our ranges have been developed to meet our core values of 'process understanding' and scalable methodology.

custom automation

Custom automation is our traditional area of business, working collaboratively with clients to support product and process innovation and development. We specialise in: liquid & powder fill-finish, aseptic manufacturing, device test & assembly and web-based material handling.

customer care

Our dedicated **customer care** department offers a comprehensive range of support services, backed by our machinery technicians and engineers. We provide ongoing support throughout the complete life-cycle of your machine.

BOOK A DISCOVERY CALL

Get in touch with one of our engineers to discuss your product, process or production needs.



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