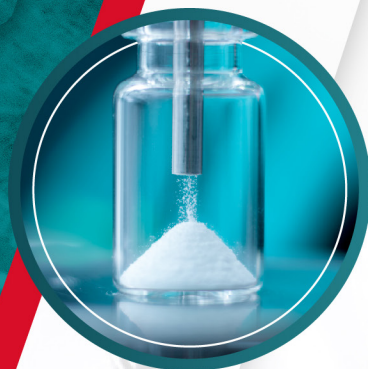


DISCOVER RANGE

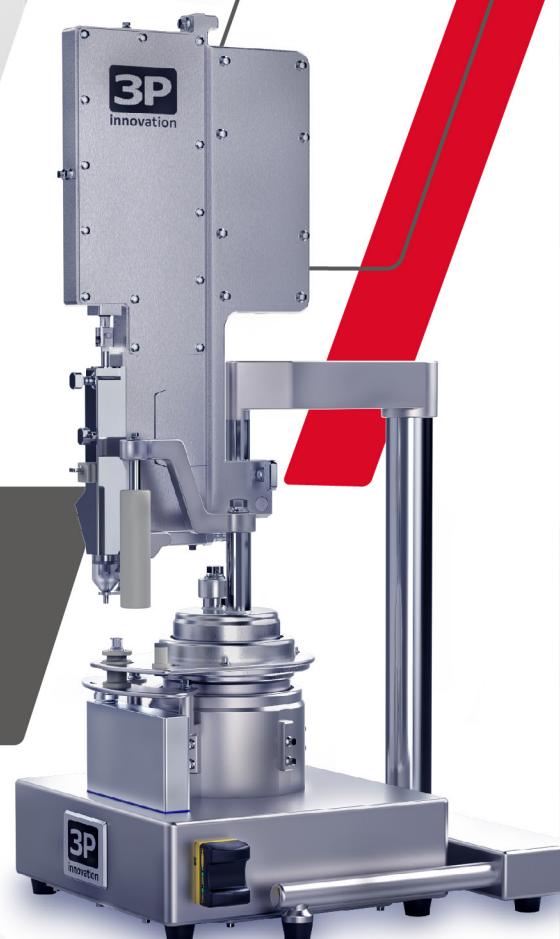
Our Discover range is designed to support early-stage drug development activities covering liquid and powder dosing and finishing, capsule filling and blister strips.



FILL2WEIGHT GRAVIMETRIC FILLER

High accuracy powder dosing down to sub 1mg levels of the most challenging and sensitive powders using our award-winning Fill2Weight technology

- Gentle powder handling to avoid compaction or shear to sensitive particles
- 100% in-process weighing with every dose weight recorded
- Proprietary algorithm adjusts feed rate as powder properties change throughout the batch duration
- Fully adjustable dose parameters via HMI including piezo vibration



SIZE	H 900mm x W 450mm x D 450mm
WEIGHT	55kg
PROCESSING RANGE: VIALS SYRINGES CARTRIDGES CAPSULES	2R to 30R 6.85mm ø to 30mm ø 8.65mm ø to 22.05mm ø Size 00 – Size 5
PRECISION FILLING	Sub 1mg – 5g typical fill range Weighing resolution: 10 µg Dose accuracy: < 3% RSD typical Typical dosing cycle time: 2 to 5 secs
POWER SUPPLY	230V AC @ 50Hz 13Amp or 110V AC @ 60Hz 15Amp

LIQUID FILL-FINISH PLATFORM

Ultra-flexible filling and stoppering on one machine of vials, cartridges and syringes

- Ultra-compact; fits easily into existing isolators and biosafety cabinets.
- Integrates high-speed check-weighing for 100% weight verification
- Fill and finish on one machine including vacuum and vent tube stoppering
- Aseptic design and cGMP compliant
- Optional nitrogen flush available



CUSTOM
CONTAINERS

SIZE	435mm x320mm x 520mm
WEIGHT	40kg
PROCESSING RANGE: VIALS SYRINGES CARTRIDGES	2R to 30R 6.85mm ø to 30mm ø 8.65mm ø to 22.05mm ø
OUTPUT	Fills up to 360 containers/hr
POWER SUPPLY	230V AC @ 50Hz 13Amp or 110V AC @ 60Hz 15Amp
PUMP TYPE	Peristaltic or rotary piston pump

ROTARY CRIMPER

An ultra-compact, bench-top machine designed for consistent and precision-quality crimping of vials, cartridges and custom containers.

- Small footprint fits inside standard biosafety cabinets, RABS, and down-flow booths
- Low particle generation
- 100% in-process stopper compression force feedback enabling a validated stoppering process
- Aseptic design and cGMP compliant



CUSTOM
CONTAINERS

SIZE	H550mm x W422mm x D375mm
WEIGHT	23kg
PROCESSING RANGE: VIALS CARTRIDGES	2R to 30R 8.65mm ø to 22.05mm ø
OUTPUT	Up to 360/hr
POWER SUPPLY	230V AC @ 50Hz 13Amp or 110V AC @ 60Hz 15Amp

REST OF THE RANGE

PLAN FOR SCALE WITH OUR CORE TECHNOLOGIES



MICRO AUGER

The Micro Auger offers powder filling flexibility in the range of **100mg to 10g** with the ability to **fill a wide variety of devices** including reconstitutable injection devices, vials, cartridges, syringes, inhalers and sachets.



VIBRATORY FEEDER

The Vibratory Feeder is a **versatile, compact** powder filling designed for dosing a **wide range of powders** from 5mg - 20g.



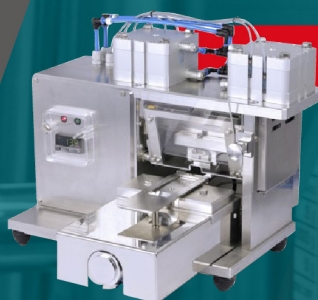
LAB DOSATOR

The Lab Dosator replicates commercial dosator based powder dispensing at a **laboratory scale filling a single capsule** at a time.



TAMPING PIN DOSATOR

The Tamping Pin Dosator has been developed to fill capsules during **early phase pharmaceutical formulation** and to automatically produce early phase clinical batches.



SINGLE-BLISTER HEAT SEALING

Single blister strip filling and sealing lab machine for **early-stage** development work. Ideal to **test blisters** within novel delivery devices.

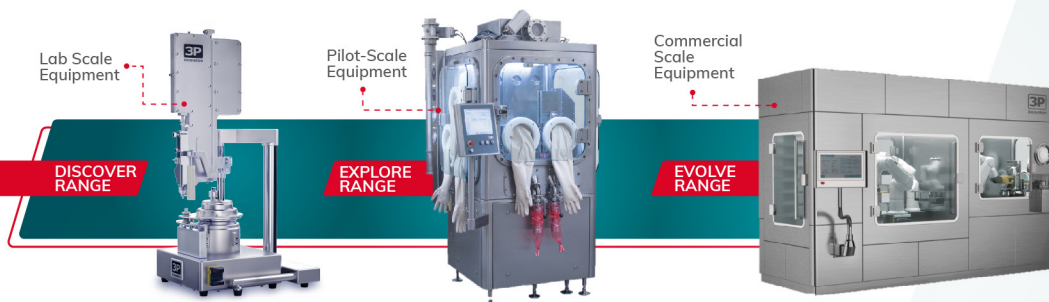


3P innovation is a dynamic and successful engineering and automation company with a strong reputation for helping multi-national customers to develop, produce and commercialise new products quickly and cost effectively.

OUR EXPERTISE IS DIVIDED INTO TWO SUB-BRANDS:

Our **pharma equipment** brand covers our own equipment portfolio, which has been designed to support customers through the different phases of their product's lifecycle - from initial drug development activities, through clinical stage manufacturing and onto commercial scale production.

Focused on quality and production efficiency, each one of our ranges and their equipment have been developed to meet our core values of 'process understanding' and scalable methodology.



Access
our virtual
showroom

SCAN ME

Custom automation is our traditional area of business, working collaboratively with our customers to support product and process innovation and development.

Our specialisms include design and development of equipment for assembly and test automation, web-based material handling and converting, powder and liquid filling, device filling and finishing and also specialist aseptic processing.