

CRYOVIAL FILLING PLATFORM



cryoFIL® enhances sterility assurance and GMP compliance through automated cryovial filling and handling.





Up to **600**
cycles/hour.

CRYOFIL® WORLD'S FIRST GMP CRYOVIAL FILLING PLATFORM

In the rapidly growing **Cell & Gene Therapy (CGT)** sector, many processes remain manual, raising contamination risks from operator handling. The **cryoFIL®** system automates your cryovial filling process and uses Controlled Rate Freezer (CRF) compatible racks, providing seamless integration.

From small to large batch sizes - whether **10 or 1000 vials** - we comply with current regulatory standards to offer a scalable solution for your cell therapy needs.

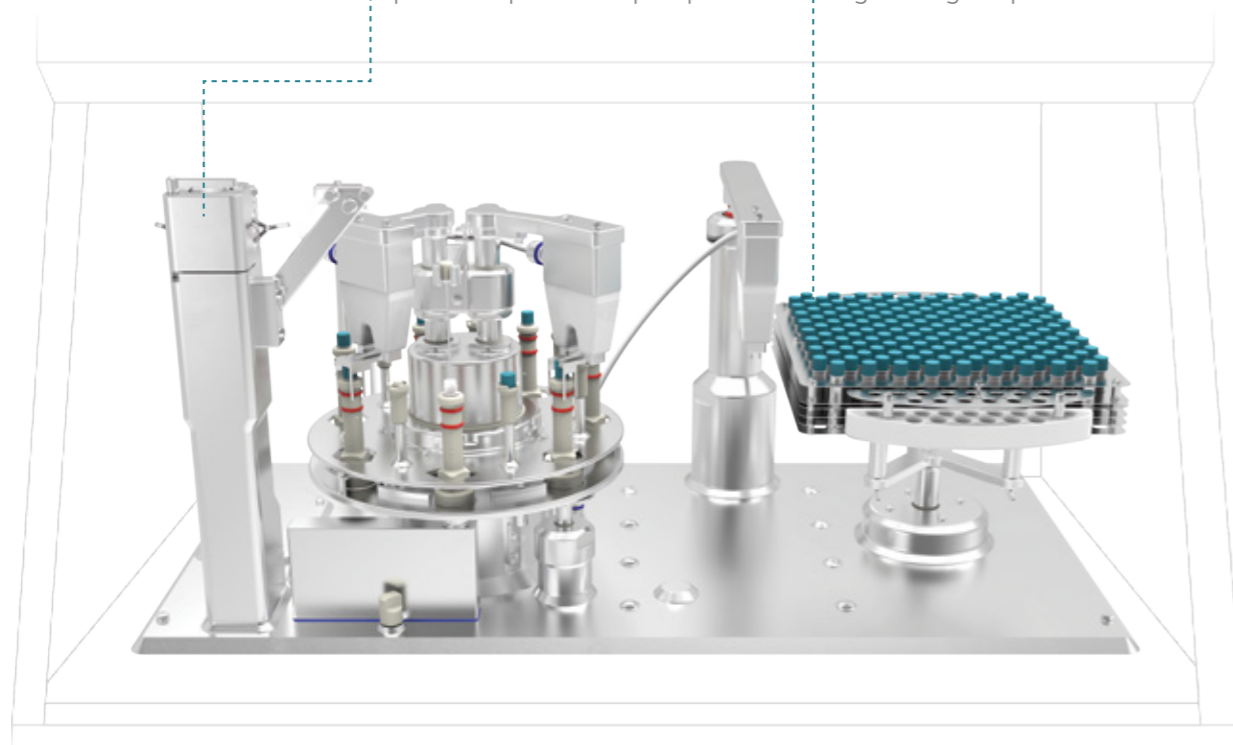
THE CRYOFIL® SYSTEM

Accurate

Repeatable filling with a high precision peristaltic pump.

Secure

Precision control of cap tightening torque.

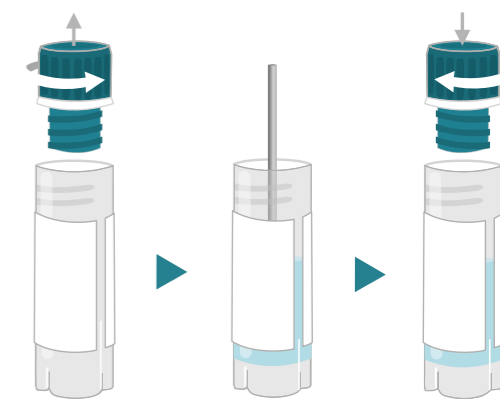


HOW DOES CRYOFIL® WORK?

Cryovials are transferred from the rack to the filling module. Each vial is individually **uncapped, filled and recapped** before being returned to its original position in the rack.

The rack can then be placed directly into the freezer, eliminating the need for further handling of the vials.

This process maintains the integrity of your samples and reduces the risk of contamination.



Uncapped Filled Recapped



SMART ENGINEERING

Sterility assurance

Vials are opened for a minimal duration, in line with the First Air Principle, reducing contamination risk.

Multi-format flexibility

Process a variety of different cryovial types on the same platform with quick swap change parts and onboard recipe settings.

Maximises cell yield

Maximise the number of in-spec fills, as a result of minimised hold-up volume, intelligent closed-loop filling with 100% weight verification and zero-loss priming sequence.

Touch screen interface

Password protected user access control and generation of 21 CFR part 11 compliant batch reports.

TECHNICAL DETAILS

Vials

Compatible with 0.5-5ml cryovials from all major brands.

Fill accuracy

Up to 5ml fills with typical accuracy of +/- 1%.

Containment

Integration into BSC as standard, isolator options available.

Dosing speed

Up to 600 vials/hour.



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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