Cirrus

The New Standard
in Isolator Technology

Pharmaceutical Isolators for Aseptic Compounding & Nuclear Medicine

cirruscontainments.com

What We Do

We design, manufacture, install, and support pharmaceutical isolators

Validated to the highest regulatory standards. Backed by a service partnership that lasts the life of the product.

MADE IN BRITAIN

Who We Serve

Hospital Pharmacy

Aseptic compounding units within NHS trusts and private hospitals, supplying isolators for cytotoxic preparation, mAB handling, TPN, and sterility testing workflows.

Nuclear Medicine & Radiopharmacy

Specialist departments requiring shielded, aseptic environments for radiopharmaceutical preparation.

Aseptic compounding | Cytotoxic preparation | TPN | Sterility testing | Monoclonal antibodies | Tc-99m generator elution | Blood radiolabelling

Why Choose Us

- **Short Lead Times**
  Consistent quality, refined across every unit we have ever made.
- **User-Led Design**
  Variable-height base frame, intuitive touchscreen HMI, and ergonomic glove-port configurations — engineered around the people who use it every day.
- **Remote Diagnostics**
  Built in as standard. The majority of issues can be resolved without a site visit (requires network connectivity).
- **Lifecycle Support**
  Remote diagnostics, prioritised engineer access, and a service partnership that continues for the full life of the product.
- **Annex 1 Compliant**
  Every isolator is designed to meet EU GMP Annex 1 and all relevant applicable standards.
- **Quality Credentials**
  ISO 9001, ISO 14001, ISO 45001, and CE marked across the full product range.

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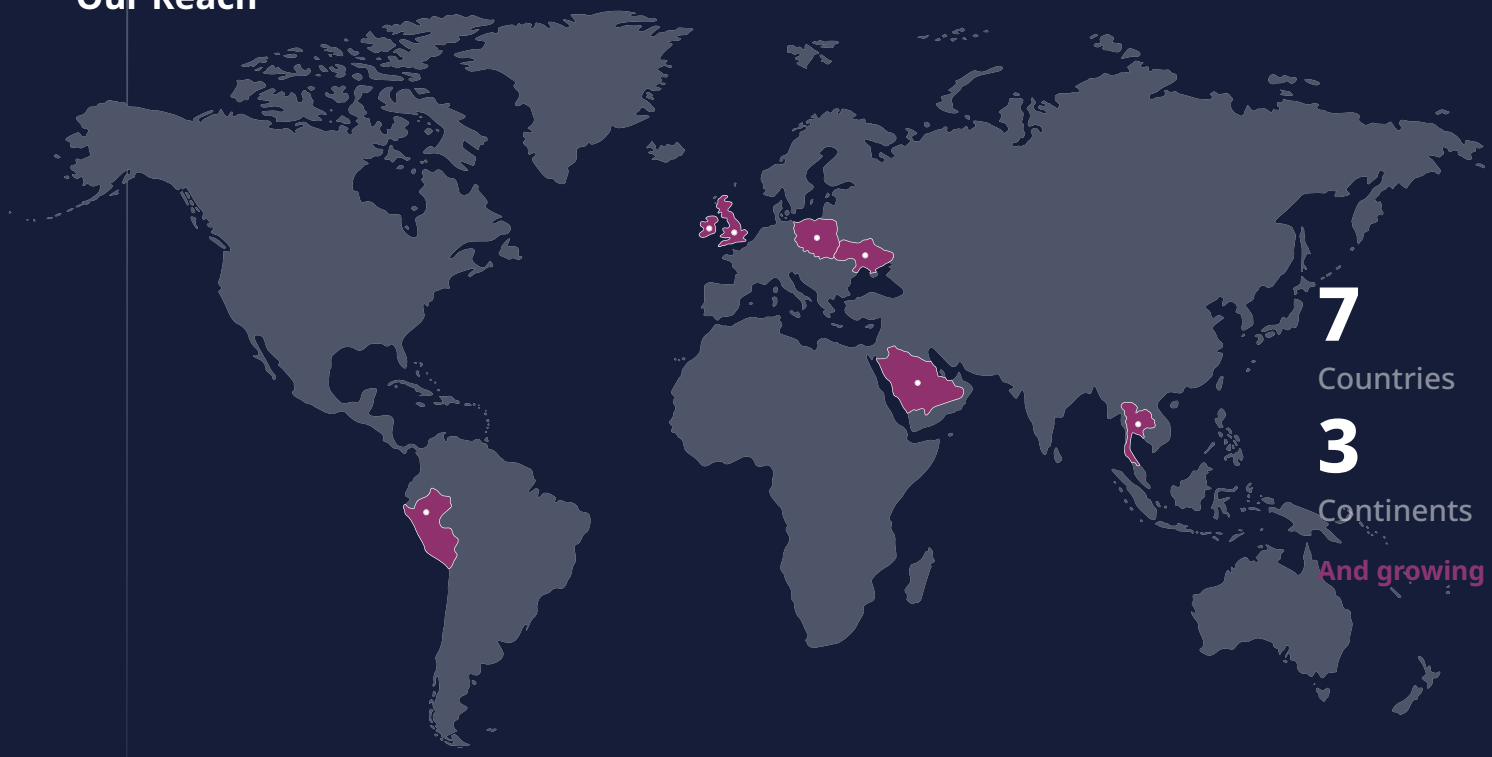
OUR MISSION

To set the **new standard** in pharmaceutical isolator technology, delivering equipment that is **safer, smarter,** and built for the people who use it every day.

OUR VISION

To become the **partner of choice** for aseptic compounding and nuclear medicine facilities worldwide, built on UK engineering, responsive service, and a genuine understanding of what pharmacy teams need.

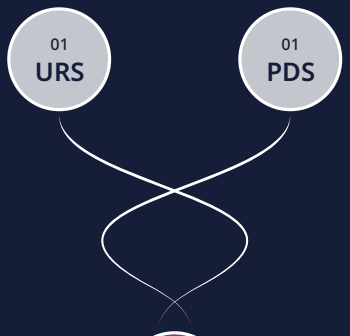
Our Reach



UK · Ireland · Poland · Ukraine · Saudi Arabia · Peru · Thailand

How We Work

Every Cirrus isolator follows the same proven path from first specification to ongoing support. It's a structured, fully documented process, designed to give you confidence at every stage and a validated isolator you can trust from day one.



PDS & URS

You provide your User Requirements Specification. We review it against our baseline Product Design Specification and **highlight any areas of non-compliance.**

02 **Design Qualification (DQ)**

DQ

The PDS and URS come together. We **review and agree** the final design with you, confirming it meets your requirements.

Supporting your Contamination Control Strategy

From Design Qualification onward, we feed directly into your CCS development, helping your quality team build the evidence base needed to pass OQ with confidence.

03 **Manufacture**

Manufacture

Built at our UK facility to your approved specification. **Short lead times** and consistent quality, refined across every unit we have ever made.

04 **FAT / IQ**

IQ can be witnessed.

FAT / IQ

Every unit is **fully tested and qualified** at our facility before it leaves. Complete Installation Qualification documentation is provided, ready for your quality file.

05 **SAT / OQ**

SAT / OQ

Our engineers commission the isolator on site. Site Acceptance Testing and Operational Qualification are completed with full documentation, **your isolator is validated and ready for use.**

The partnership **can continue for the full life of the product.** Remote diagnostics reduce downtime, parts are easily replaceable, and service contracts are available beyond the year one included as standard.

06 **Ongoing Service & Support**

Service & Support continued on page 11

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Pharmacy Isolators

ALTO

Engineered for pharmacy. Designed for people.

The **ALTO** is Cirrus's **flagship** isolator and the foundation on which our entire product range is built. **Modular by design**, the platform supports the full spectrum of pharmacy compounding and aseptic preparation — cytotoxics, monoclonal antibodies, TPN, and sterility testing — delivering **Grade A** aseptic conditions and the ergonomic design required for safe, repeatable, high-quality processes. Built to meet **EU GMP Annex 1** and all relevant applicable standards.

The Isolator

- **Grade A** aseptic conditions via sealed construction, HEPA-filtered unidirectional airflow, and controlled pressure
- Fully welded **316 bead-blasted stainless-steel** chamber with **H14 HEPA filtration** and **safe-change** capability
- **Positive** or **negative pressure** operation
- 2- or 4-glove configurations

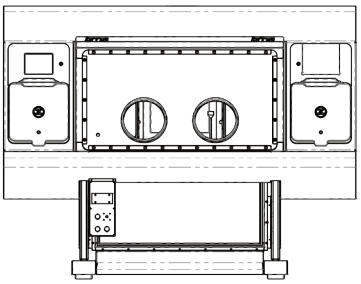
Built for the User

- **Variable-height base frame** with **User Set and Save** — saveable positions tied to individual user login profiles
- **Touchscreen HMI** with real-time monitoring
- **Automated out-of-hours leak testing**
- **Remote fault analysis** when network-connected
- **Full FAT/IQ** prior to dispatch, **SAT/OQ** completed at commissioning

Building on the **ALTO** platform, the VHP range adds validated biodecontamination capability — available integrated from build, or retrofitted to an existing installation. ALTO systems can be configured with VHP technology from leading suppliers, ensuring seamless integration with your chosen biodecontamination strategy.

ALTO VHP Gassing Isolator

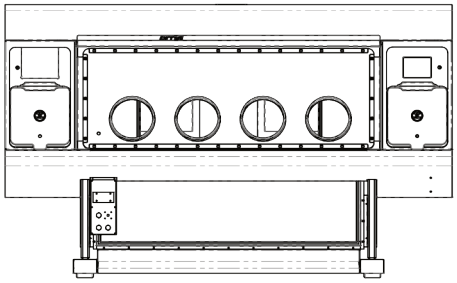
Integrated VHP gassing for validated biodecontamination of the working chamber and transfer areas, supporting sterility assurance and contamination control without replacing your installed isolator base.



ALTO 2-Glove / ALTO^{VHP} 2-Glove

ALTO VHP Rapid-Gassing Isolator

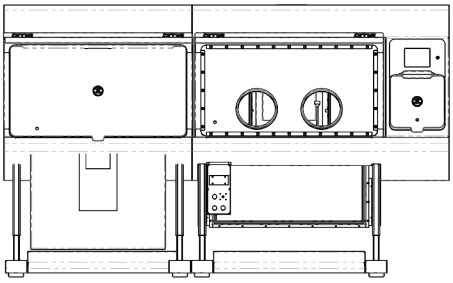
Designed for quick, efficient ingress-chamber or product biodecontamination. Using integrated VHP gassing and our Rapid-Gassing Transfer Hatch with dedicated racking, incoming materials can be sterilised without slowing production — supporting high-volume hospital pharmacies and facilities with frequent product changeovers.



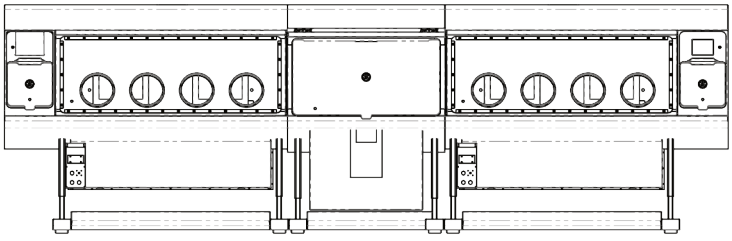
ALTO 4-Glove / ALTO^{VHP} 4-Glove

ALTO VHP Dual Rapid-Gassing Isolator

For facilities running high volumes of incoming product, a dual-chamber configuration enables continuous loading and parallel decontamination cycles — so ingress decontamination keeps pace with production, rather than becoming the bottleneck.



ALTO^{VHP} 2-Glove Rapid Gassing Isolator



ALTO^{VHP} Dual 4-Glove Rapid Gassing Isolator

Talk to Us

For a full technical datasheet, a site visit, or a quote, get in touch.

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Nuclear Medicine Isolators

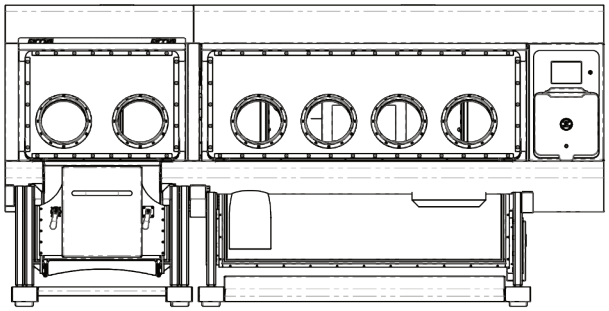
INCUS & STRATUS

Our **Nuclear Medicine Isolators** provide secure, shielded environments for the preparation and handling of radiopharmaceuticals used in diagnostic nuclear medicine. Designed for **hospital radiopharmacies** and **centralised nuclear medicine departments**, these systems combine **radiation shielding, ergonomic glove-port access,** and **controlled airflow** to protect operators while supporting consistent, compliant workflows.

The range includes two dedicated solutions, each tailored to a core nuclear medicine process.

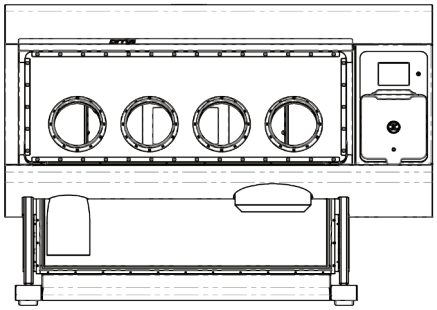
INCUS – Technetium Generator Elution

A compact, shielded isolator for safe Tc-99m generator elution. Built on the ALTO platform, Incus combines integrated shielding, clear visibility, and controlled airflow to support daily aseptic generator handling. The system can be configured to work with a range of dose calibrators and generators, ensuring seamless radiopharmacy integration.



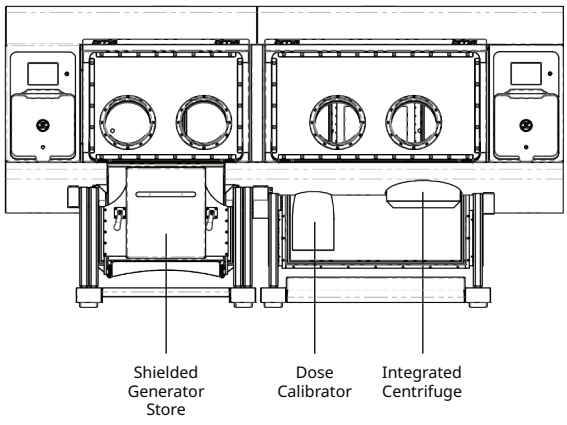
STRATUS – Blood Radiolabelling

A shielded, aseptic isolator designed for radiolabelling blood products. Stratus features an integrated centrifuge, precise airflow control, and compatibility with multiple dose calibrators, enabling safe, repeatable radiolabelling workflows within a compact ALTO-based design.



BESPOKE UNITS

Our modular ALTO platform also supports combined or customised layouts, including integrated Incus–Stratus arrangements.



Illustrated configurations are examples only. Final layouts are defined during Design Qualification, with bespoke options available on request.

Key Capabilities Across the Range

- **Shielded** chambers for safe handling of gamma-emitting isotopes
- **Configurable** glove-port layouts and lead-glass viewing windows
- Integrated airflow and containment for aseptic preparation
- **Compatibility** with dose calibrators, waste containers, and ancillary equipment
- **Customisable** layouts for generator elution and radiolabelling workflows

Talk to Us

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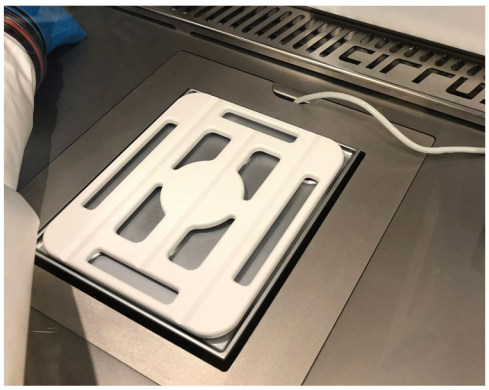
Contact Us to Discuss Your Requirements

Whatever your requirements — standard, bespoke, or somewhere in between — our engineering team will work with you to find the right solution. Every isolator is built to your approved specification, with the design itself adapting to fit your exact workflow and the hardware you already use.



Seamless Integration

Cirrus isolators are designed to work with the systems you already rely on. We work closely with leading suppliers and technology partners to ensure seamless integration — and we're continuously developing new integrations to keep pace with the evolving needs of pharmacy and radiopharmacy teams.

Integrations we have delivered include:

- BD Cato
- VHP gassing systems from leading suppliers
- PTZ camera monitoring
- Air sampling systems
- Intercom systems
- Footswitch controls

> If there's something you need built in, ask. Our engineering team will work out whether and how it can be accommodated.

Quality & Compliance

- EU GMP Annex 1
- ISO 9001
- ISO 14001
- ISO 45001
- BS EN ISO 14644

MADE IN BRITAIN CE

Service & Support

When You Call, You Reach Someone Who Knows Your Machine

Support continues long after installation. Every Cirrus isolator is supported by a service partnership built to last for the full life of the product — not just the year it was installed.

Remote Diagnostics, Built In

Every isolator has built-in remote diagnostics as standard. We can access your isolator remotely, review alarm histories, and resolve many issues without anyone needing to set foot on site. (Requires network connectivity.)

When You Need an Engineer

When a site visit is required, it's prioritised — and parts are easily replaceable, supporting long-term serviceability rather than replacement.

Beyond Year One

Service contracts are available beyond the year one included as standard, so support, and validation, can continue for as long as your isolator is in use.

One Partner. From Start to Finish.

A manufacturer who understands pharmacy and radiopharmacy from the inside out. Equipment built to last and engineered around the people who use it. A service relationship that continues for the life of every isolator we make.

UK engineering. International reach. One partner, for as long as you need us.

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