

**Guardware**

cleanroom hardware

**FURNITURE & EQUIPMENT**



[www.guard-ware.co.uk](http://www.guard-ware.co.uk)



# CLEANROOM FURNITURE



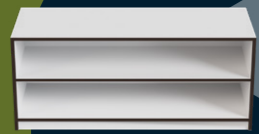
**Guardware**  
cleanroom hardware

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**S**tepover benches play a vital role in maintaining the integrity of cleanroom environments, serving as a clear, enforced boundary between the "dirty" (unclean) and "clean" zones of a gowning area.

Whether in pharmaceutical, biotech, microelectronics, or healthcare cleanrooms, these benches help ensure proper personnel behaviour and hygiene protocol during entry and exit.

A stepover bench is a fixed seating structure positioned at the entrance of a cleanroom or between changing areas. It acts as both a physical and psychological barrier, guiding personnel to change into the correct garments or footwear before entering the cleaner side.

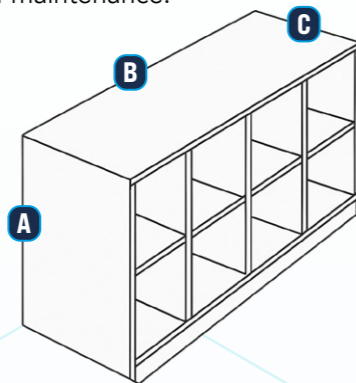
The Guardware team have carefully selected four different stepover bench options to give you the idea choice of solutions to suit the specific and individual needs of your cleanroom.

**ISOstep**



# FULLY TRESPA OR SEALWISE BENCH

Ensure optimal contamination control with ISOstep Max – Guardware’s premium stepover bench solution. Fully constructed of either Sealwise WCB or Trespa, ISOstep Max offers superior hygiene, durability and ease of maintenance.



The bench is non-porous, anti-microbial and highly resistant to moisture, chemicals, and impact – ensuring long-lasting performance and uncompromised cleanliness. Smooth, sealed surfaces prevent the harbouring of bacteria or particles, making cleaning fast and thorough.

A	B	C
400	1000	400
400	1250	400
400	1500	400
400	1750	400
400	2000	400
400	2250	400
400	2500	400
400	2750	400

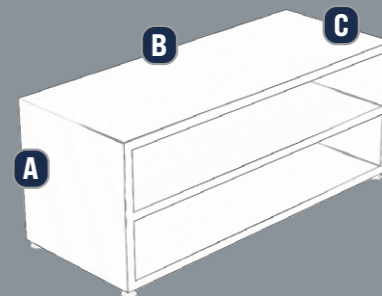
## PRODUCT FEATURES

- The range’s elite stepover bench
- Superior resistance to chemicals
- Highest quality construction
- Ideal for GMP environments
- Trespa or Sealwise construction



# 304 STAINLESS STEEL STEPOVER

Create a safer, cleaner transition zone in your facility with ISOstep Plus – a grade 304 stainless steel stepover bench. Designed for environments where hygiene and durability are essential, this bench offers a practical and budget-conscious option for controlling cleanroom or production area entry points. Manufactured from grade 304 stainless steel, ISOstep Plus offers excellent corrosion resistance and strength for ISO 14644 classified cleanrooms.



A	B	C
400	1000	400
400	1250	400
400	1500	400
400	1750	400
400	2000	400
400	2500	400
400	2000	400
400	2500	400



## PRODUCT FEATURES

- Durable grade 304 stainless steel
- Easy to clean
- High quality construction
- Variety of PPE storage options available
- Smooth, crevice-free construction

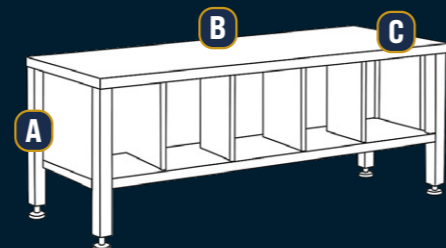
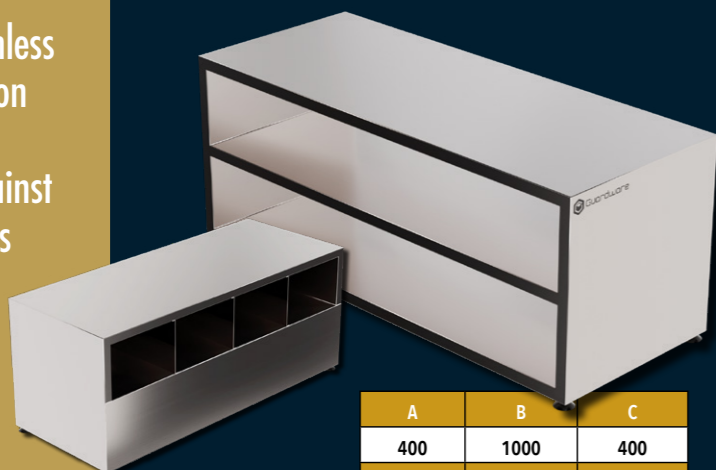


## PRODUCT FEATURES

- High-quality grade 316 stainless steel construction
- Durable against harsh chemicals
- Variety of PPE storage options
- Elite steel option

# 316 STAINLESS STEEL STEPOVER

Maintain the highest standards of cleanliness and contamination control with ISOstep Pro – a grade 316 stainless steel cleanroom stepover bench. Designed specifically for GMP and ISO classified environments, this robust bench facilitates safe personnel entry by providing a physical barrier between clean and unclean areas. Crafted from corrosion-resistant grade 316 stainless steel, ISOstep Pro is ideal for environments where chemical resistance and hygiene are critical.



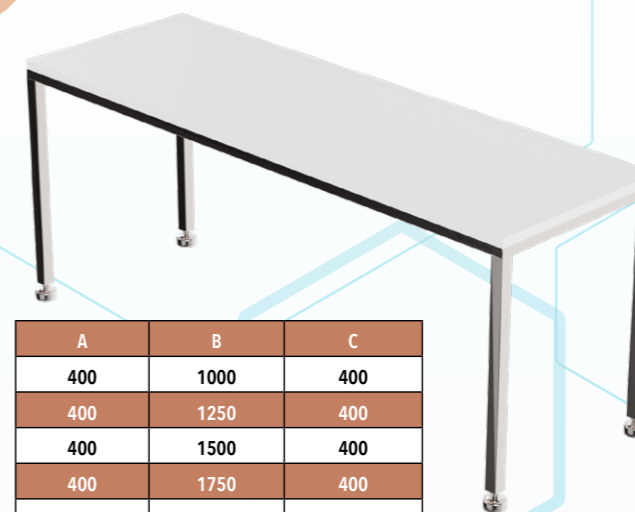
A	B	C
400	1000	400
400	1250	400
400	1500	400
400	1750	400
400	2000	400
400	2250	400
400	2500	400
400	2750	400



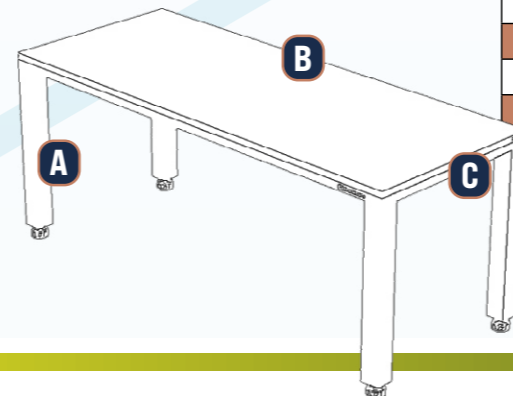
## ISOstep LITE

ISOstep Lite is Guardware’s entry-level, cost-effective stepover bench solution – a powder-coated mild steel frame-only option with either a Trespa or Sealwise top surface, expertly designed for cleanroom and controlled environment applications where cross-contamination control is paramount. This simple and effective, yet robust and hygienic, high-performance stepover bench provides a safe transition area between different clean zones while ensuring long-term durability and easy maintenance.

# FRAME-ONLY BUDGET OPTION



A	B	C
400	1000	400
400	1250	400
400	1500	400
400	1750	400
400	2000	400
400	2250	400
400	2500	400
400	2750	400



**Did you know?**  
Sealwise is comparable to Trespa for quality and performance plus it's significantly lighter in terms of weight!

## PRODUCT FEATURES

- Frame-only mild steel stepover bench
- Powder-coated finish
- High performance Trespa and Sealwise top surfaces
- Doesn't include option for storage
- Cost effective



**ISOstep** MAX

**Standard Product Options**

Open front & back
Open front - closed back
50/50 - open top front / open bottom rear
Dual shelf - no compartments
8, 10, 12, 16, 18, 20 or 22-compartment configurations available

**Features & benefits**

- Ultra-hygienic construction – both Sealwise and Trespa options are non-porous and sealed for total cleanliness
- Chemical-resistant – effortless to clean, even in high-sterility zones
- Smart separation – ISOstep Max physically enforces gowning procedures between 'dirty' and 'clean' zones
- Customisable fit – standard sizes to suit typical layouts but bespoke arrangements also available

**ISOstep** PRO

**Standard Product Options**

Open front & back
Open front - closed back
50/50 - open top front / open bottom rear
Dual shelf - no compartments
8, 10, 12, 16, 18, 20 or 22 compartment configurations available
Electropolished

**Features & benefits**

- Enhance functionality with optional open or enclosed under-bench compartments for PPE, shoes, or cleaning supplies
- Smooth, crevice-free construction easy cleaning and disinfection, reducing contamination risks
- Smart separation – ISOstep Pro physically enforces gowning procedures between 'dirty' and 'clean' zones
- Customisable fit – standard sizes to suit typical layouts but bespoke arrangements also available



**ISOstep** PLUS

**Standard Product Options**

Open front & back
Open front - closed back
50/50 - open top front / open bottom rear
Dual shelf - no compartments
8, 10, 12, 16, 18, 20 or 22 compartment configurations available

**Features & benefits**

- Enhance functionality with optional open or enclosed under-bench compartments for PPE, shoes, or cleaning supplies
- Smooth, crevice-free construction easy cleaning and disinfection, reducing contamination risks
- Smart separation – ISOstep Plus physically enforces gowning procedures between 'dirty' and 'clean' zones
- Customisable fit – standard sizes to suit typical layouts but bespoke arrangements also available



**ISOstep** LITE

**Standard Product Options**



**Features & benefits**

- Simple yet robust construction means it's a much lighter option the other stepovers in the range
- Smooth, crevice-free construction easy cleaning and disinfection, reducing contamination risks
- Smart separation – ISOstep Lite physically enforces gowning procedures between 'dirty' and 'clean' zones
- Customisable fit – standard sizes to suit typical layouts but bespoke arrangements also available

**Did you know?**  
Sealwise is comparable to Trespa for quality and performance plus it's significantly lighter in terms of weight!

In cleanroom operations, every detail matters – right down to the chair you sit in.

High-performance cleanroom chairs are more than just seating – they are an integral part of your controlled environment.

Engineered with innovative ergonomic features, including elite-level controls, Guardware ISOseat cleanroom chairs adapt effortlessly to individual users, supporting comfort, posture and productivity during extended tasks.

Built from cleanroom-compatible materials, they resist particle generation and withstand rigorous sanitation protocols, ensuring compliance without compromising performance.

The result is a seating solution that protects both your workforce and the integrity of your process – every shift, every day.

**ISOseat**



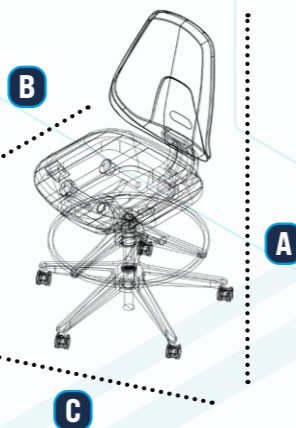
# ELITE CONTROLS CLEANROOM CHAIR

ISOseat Max represents a revolutionary advancement for today's workers and workplaces. Addressing the unique working postures of users in technical environments, the ISOseat Max model offers a tall back, nearly a dozen ergonomic functions and accommodates a variety of options across the high bench, bench and desk heights.

ISOseat Max combines award-winning design, a wealth of ergonomic functions and many industry-firsts to make it a revolutionary advancement for controlled environments. It's engineered for task-specific range of motion and 24/7, 365 use, featuring the most sophisticated controls set-up on the market.



HIGH BENCH			
A	B	C	WEIGHT
1130	736	736	58kg
STANDARD HEIGHT			
1130	660	660	58kg
DESK HEIGHT			
1130	660	660	58kg



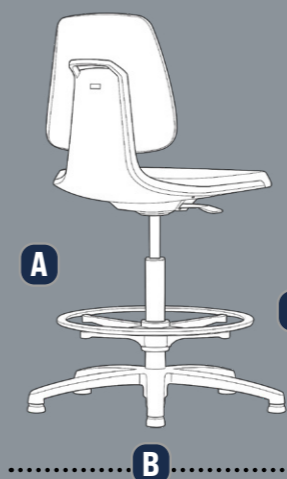
## PRODUCT FEATURES

- Industry-leading cleanroom chair
- Elite-level controls
- Generous 13-year warranty
- Ergonomic design
- Sublime aesthetic
- Superior operative comfort



# COST-EFFECTIVE ISO3 COMPLIANT

The ISOseat Plus is simple solution for laboratory and cleanroom environments. Its design has few joints, so it is easy to clean and also has anti-microbial and antibacterial properties. Lightweight yet exceptionally robust, the ISOseat Plus is engineered for dynamic working – offering intuitive flexibility and ergonomic support to suit a wide range of users and tasks.



A	B	C
650	460	420
BACK HEIGHT		
420		
HIGH WITH GLIDES ADJUSTABLE SEAT HEIGHT		
520-770		
HIGH WITH CASTORS ADJUSTABLE SEAT HEIGHT		



## PRODUCT FEATURES

- 10-year warranty
- Robust and lightweight
- Cost-effective solution
- Resistant to disinfectants
- Anti-bacterial upholstery options

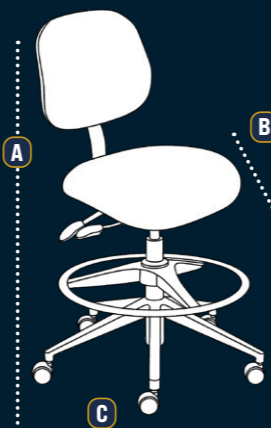


## PRODUCT FEATURES

- 13-year warranty
- Ergonomic design
- Four-way contouring
- Superior lumbar support
- High-quality construction

# HIGH-PERFORMANCE TOP-TIER OPTION

ISOseat Pro is an elite cleanroom seating solution that comes in both bench-height and high-bench-height versions. The seat features mid-sized adjustable seat and back, an aluminium base, an adjustable footring, chrome finish metal parts and black Grade 2 vinyl upholstery. Whilst it's a more cost-effective option than ISOseat Max, the Pro doesn't feature the same elite-level controls. Backed by a 13-year warranty with lifetime warranty on pneumatics, it remains a high-performance chair solution.



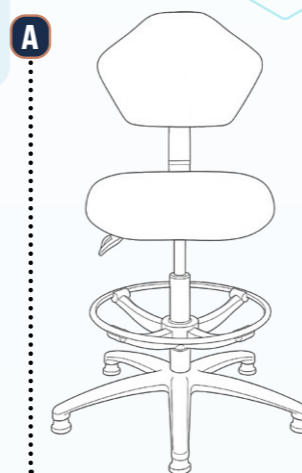
STANDARD HEIGHT			
A	B	C	WEIGHT
965	660	660	40kg
HIGH BENCH			
1016	736	736	43kg



# COMFORT-ASSURED ENTRY-LEVEL

The ISOseat Lite laboratory chair offers a super-stylish seating solution for a wide range of Life Sciences applications, clinical and medical environments and other Research & Development cleanroom spaces. ISOseat Lite is the most cost-effective cleanroom seating option in the Guardware

ISOseat range – which also includes an ESD/anti-static option for Micro-Electronics applications. For applications looking for high quality on a lower-end budget, ISOseat Lite is the ideal solution.



HIGH	
A	B
605 - 855	740 - 1050
INTERMEDIATE	
A	B
530 - 730	675 - 910
LOW	
A	B
460 - 590	640 - 815mm

## PRODUCT FEATURES

- Robust and lightweight
- Cost-effective solution
- Resistant to disinfectants
- Anti-bacterial upholstery options
- Range of product option upgrades



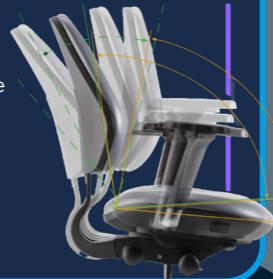


### Standard Product Options

ESD option available
Bench, Desk, High Bench Height options
High and Low Back Height options
Footring options
Arm Rest options
ISO3 upgrade available

### Features & benefits

- 13-year warranty – lifetime warranty on pneumatics
- Height Compatibilities: High Bench, Standard & Desk
- Seat Covering Type: Upholstered
- Seating Surface: Vinyl
- Seat Size: Large / Back Size: Large
- Base: Wide Aluminium Base
- Finish Colour: Chrome
- Weight Capacity: 160kg
- Upholstery Type & Colour: Grade 2 Blue Vinyl P28542



### Standard Product Options

ESD option available
Bench, High Bench Height Options
Base Options
Footring Options
Arm Rest Options

### Features & benefits

- Height Compatibility: Standard Bench/ High Bench
- Seat Covering Type: Upholstered
- Seating Surface: Vinyl
- Seat Size: Medium
- Back Size: Medium
- Base: Aluminium Base/Wide Aluminium Base
- Finish Colour: Chrome
- Seat Description: Ergonomic upholstered seat with four-way contouring and internal seat board bumper-guard; measures 18.5" wide x 17" deep x 3" thick.
- Back Description: Upholstered backrest with lumbar support and plastic protective panel; measures 15.5" wide x 14.5" high



### Standard Product Options

Castors or glides
Loaded braking castors
Low or high seat height
Blue, grey or orange colour option

### Features & benefits

- Enhance functionality with optional open or enclosed under-bench compartments for PPE, shoes, or cleaning supplies
- Smooth, crevice-free construction easy cleaning and disinfection, reducing contamination risks
- Smart separation – ISOstep Plus physically enforces gowning procedures between 'dirty' and 'clean' zones
- Customisable fit – standard sizes to suit typical layouts but bespoke arrangements also available



### Standard Product Options

ESD options available
Fixed arms
Aluminium footring upgrade
Brake-loaded castors
Safety castors

### Features & benefits

- Superior performance vinyl upholstery
- Back height and angle adjustment
- Unique back support bar provides back angle, height and lumbar adjustment
- Aluminium footring upgrade available
- Independent seat and back tilt adjustment
- Fixed arms option
- Height adjustable arms option
- Safety castors option
- Brake-loaded castors option
- Black nylon base
- Aluminium centre footring options
- ESD/Antistatic option for electronics applications



**W**hen precision and contamination control are critical, your workbench must perform to the same high standards as your process.

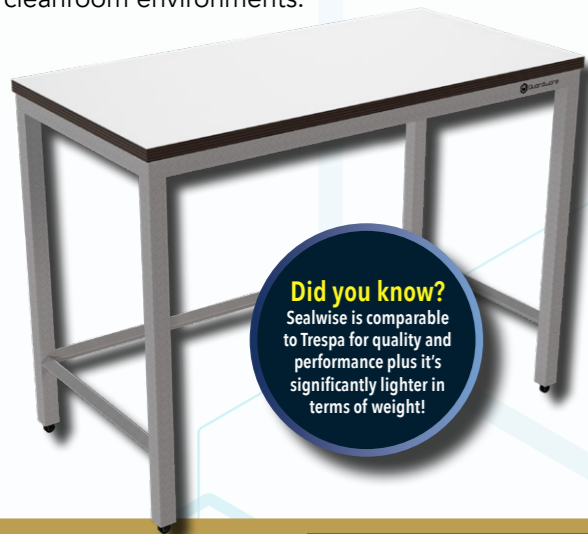
Our cleanroom workbenches are built from industry-leading materials – Trespa, Sealwise or stainless steel work surfaces paired with robust stainless steel frames in 304 or 316 grade, ensuring exceptional durability, hygiene, and compliance.

Designed for easy decontamination, these benches feature smooth, non-porous surfaces that resist particle accumulation and chemical usage.

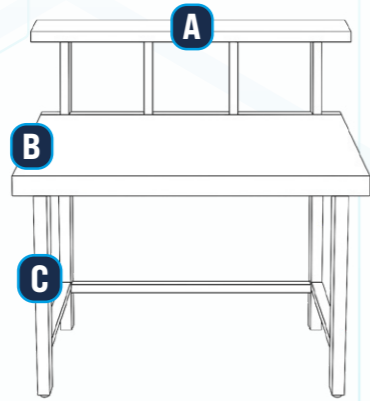
Corrosion-resistant construction guarantees long-term stability, while rounded edges and minimal joints reduce potential contamination traps. With proven compliance for cleanroom applications, these benches deliver the strength, cleanliness and reliability your controlled environment demands.

# GMP WORKBENCH SOLUTION

ISObench Max is Guardware Cleanroom Hardware's elite workbench solution – built to meet the demands of the highest-grade GMP and ISO controlled environments. Featuring a choice of Trespa TopLab or Sealwise WCB work surfaces, ISObench Max delivers uncompromising performance, durability and hygiene for the most critical applications. The ISObench Max frame is specially engineered from grade 316 stainless steel – one of the highest-performing materials available for cleanroom environments.



**Did you know?**  
Sealwise is comparable to Trespa for quality and performance plus it's significantly lighter in terms of weight!



A	B	C
900	600	900
1200	600	900
1500	600	900
1800	600	900
900	700	900
1200	700	900
1500	700	900
1800	700	900
900	900	900
1200	900	900
1500	900	900
1800	900	900

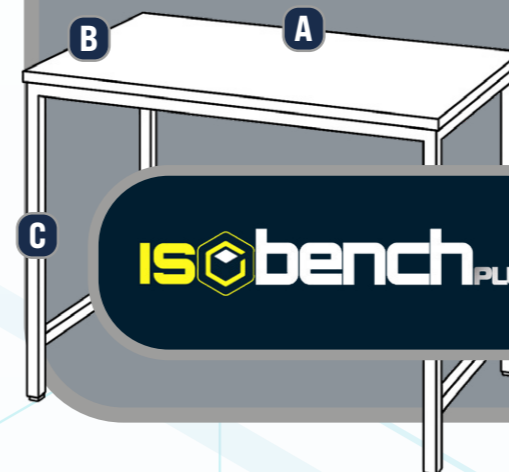
## PRODUCT FEATURES

- Elite-level grade 316 stainless steel frame
- Sealwise, Trespa or grade 316 stainless steel work surfaces
- Fully assembled workbench units
- Storage options available



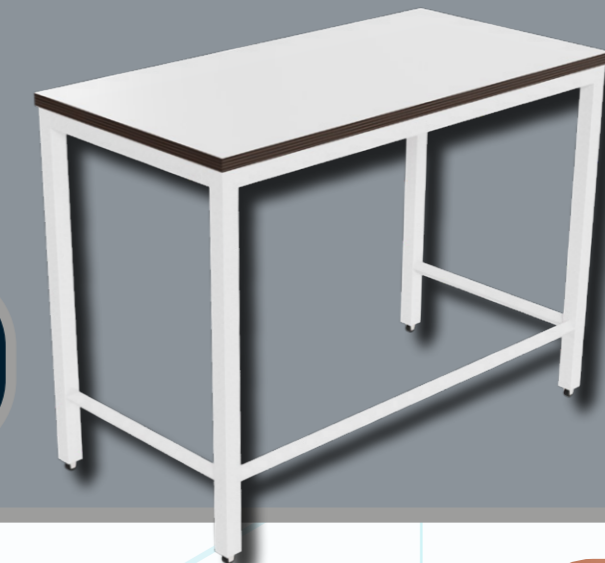
# MILD STEEL BENCH

A	B	C
900	600	900
1200	600	900
1500	600	900
1800	600	900
900	700	900
1200	700	900
1500	700	900
1800	700	900
900	900	900
1200	900	900
1500	900	900
1800	900	900



A cost-effective, durable solution for controlled spaces, this mild steel workbench features a tough powder-coated frame and your choice of Sealwise or Trespa work surfaces.

Tailor it to your process with optional upstand, undershelf, gantry shelf or perforated top configurations. Ideal for labs, clean zones and production areas needing reliable, customisable workspace performance.



## PRODUCT FEATURES

- Powder-coated mild steel frame
- Cost-effective benching solution
- Sealwise or Trespa work surface options
- Fully assembled workbench units
- Range of intuitive storage options



## PRODUCT FEATURES

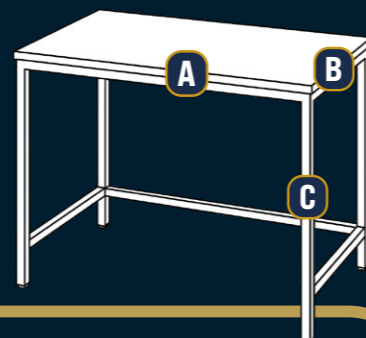
- Grade 304 stainless steel frame
- Grade 304 stainless steel, Sealwise or Trespa work surface
- Fully assembled
- Robust design
- Range of useful customisations

# GRADE 304 FRAME



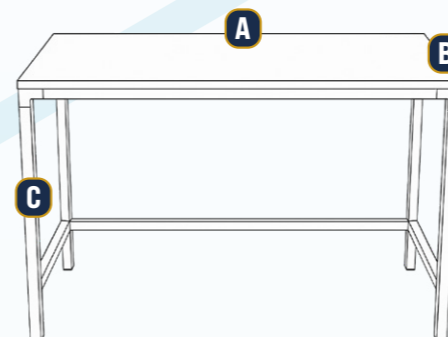
A	B	C
900	600	900
1200	600	900
1500	600	900
1800	600	900
900	700	900
1200	700	900
1500	700	900
1800	700	900
900	900	900
1200	900	900
1500	900	900
1800	900	900

ISObench Pro is a high-performance modular workbench solution, engineered for cleanroom environments where durability, hygiene and adaptability are non-negotiable. Featuring a robust grade 304 stainless steel frame and a choice of easy-clean and chemically resistant Trespa or Sealwise work surfaces, as well as the option for a fully grade 304 construction, ISObench Pro is ideal for applications across Life Sciences, Med-Tech, Pharma and beyond.

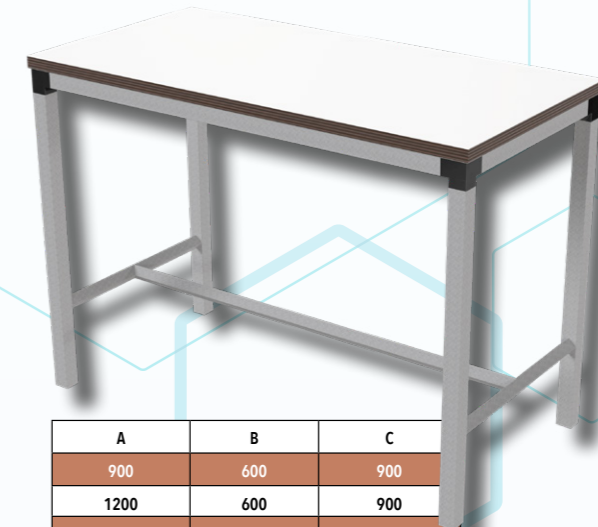


# ISObench LITE

Built for cleanroom precision and durability, the ISObench Lite offers a robust, hygienic solution for controlled environments. Its stainless steel grade 304 frame ensures corrosion resistance and long-term performance, while the flatpack design makes delivery and installation fast and efficient. ISObench Lite utilises connectors specially engineered and manufactured by the Guardtech Group that allow this modular furniture item to be rapidly dispatched, delivered and installed within a matter of days.



# RAPID DELIVERY MODULAR BENCH



A	B	C
900	600	900
1200	600	900
1500	600	900
1800	600	900
900	700	900
1200	700	900
1500	700	900
1800	700	900
900	900	900
1200	900	900
1500	900	900
1800	900	900

## PRODUCT FEATURES

- Rapid delivery modular bench
- Features specially engineered modular corner connectors
- Grade 304 stainless steel construction
- Sealwise or Trespa top surface option
- Lightest option in the range



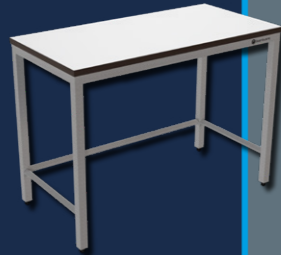


### Standard Product Options

Upstand
Undershelf
Gantry shelf
Perforated work surface
Standard polish finish
Electro-polished finish
Height adjustable options

### Features & benefits

- GMP & ISO cleanroom compliance – materials are suitable for regulated clean environments
- Customisability – can be tailored with upstands, undershelf, gantry and perforated top
- Longevity – all materials are robust and built for heavy-duty, long-term use
- Safety – non-toxic, inert surfaces with excellent resistance to contamination and easy cleaning protocols
- Grade 316 stainless steel offers superior resistance to corrosion from chemicals than grade 304



### Standard Product Options

Upstand
Undershelf
Gantry shelf
Perforated work surface
Standard polish finish
Electro-polished finish
Height adjustable options

### Features & benefits

- Grade 304 is a more cost-effective option than 316 stainless steel while still offering excellent structural strength and corrosion resistance for many applications
- Smooth, non-porous surfaces with low particle shedding – supports ISO class 5-8 cleanroom requirements
- Resists bacteria and microbial growth – can be wiped down and disinfected easily.
- Sealwise is made from recycled PVC and is fully recyclable
- High load-bearing capacity and resistance to mechanical stress and impact



### Standard Product Options

Upstand
Undershelf
Gantry shelf
Perforated work surface
Standard polish finish
Electro-polished finish
Height adjustable options

### Features & benefits

- Durable – powder-coated mild steel frame for exceptional durability and corrosion resistance in controlled environments
- Top of the tops – Choose between Trespa TopLab or Sealwise Waterproof Construction Board for a hygienic, chemical-resistant worktop that meets stringent cleanroom standards
- Ideal for ISO-classified clean zones – non-porous surfaces with smooth finishes resist bacteria, moisture, and chemicals



### Features & benefits

- Corrosion resistance – ideal for laboratories as well as higher grade Pharma environments
- Strength & stability – supports heavy-duty applications with minimal flex
- Hygienic design – smooth, non-porous finish easy to clean and sanitise
- Long lifespan – resists wear, rust and degradation over time
- Specially engineered – unique Guardware product available for rapid deployment



**Did you know?**  
Sealwise is comparable to Trespa for quality and performance plus it's significantly lighter in terms of weight!



### In controlled environments, every surface, seam and hinge matters.

Guardware cleanroom storage cabinets are engineered from the highest-grade materials – Trespa, Sealwise or stainless steel grade 304 and 316, delivering exceptional durability and hygiene, ideal for compliance and meetings standard.

Smooth, non-porous surfaces are easy to decontaminate and resistant to chemicals, moisture and particle accumulation. Precision fabrication with minimal joints and rounded edges reduces contamination risks, while corrosion-resistant construction ensures lasting performance.

From secure storage of PPE and equipment to specialist COSHH-compliant cabinets for hazardous substances, Guardware offer a complete solution for keeping your cleanroom organised, safe and inspection-ready.

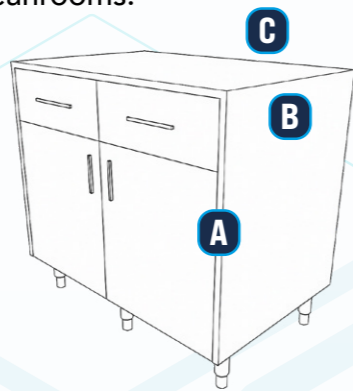
# TRESPA OR SEALWISE CABINETS



ISOstore Max is Guardware's premium cleanroom storage cabinet solution. Engineered for excellence ISOstore Max is the ultimate choice for safe, hygienic and organised storage in cleanrooms. Built from high-performance materials – Trespa TopLab or Sealwise Waterproof Construction Board – ISOstore Max delivers durability, chemical resistance and ease of cleaning that meets the strict demands of ISO and GMP-classified cleanrooms.

A	B	C
600	300	600
600	300	1200
600	300	1800
600	300	2400
850	600	600
850	600	1200
850	600	1800
850	600	2400

A	B	C
1800	300	600
1800	500	600
1800	300	900
1800	500	900
1800	300	1200
1800	500	1200



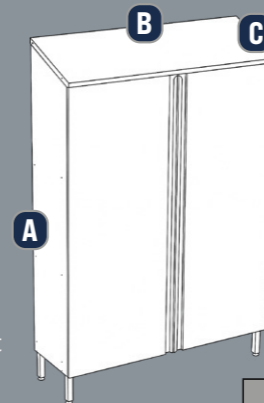
## PRODUCT FEATURES

- Premium Trespa or Sealwise storage solutions
- Superior resistance to cleaning agents
- Stunning aesthetic
- Anti-microbial properties
- Robust design



# 304 STAINLESS STEEL CABINETS

A smart, cost-effective solution for cleanroom storage, ISOstore Plus cabinets are designed for environments where hygiene, durability and functionality are critical – but extreme chemical or chloride resistance is not essential. Made from high-quality grade 304 stainless steel, this cabinet delivers excellent performance for general cleanroom applications while offering a more accessible price point than higher-spec materials.



A	B	C
600	300	600
600	300	1200
600	300	1800
600	300	2400
850	600	600
850	600	1200
850	600	1800
850	600	2400

A	B	C
1800	300	600
1800	500	600
1800	300	900
1800	500	900
1800	300	1200
1800	500	1200



## PRODUCT FEATURES

- Grade 304 Stainless Steel cleanroom storage
- High quality yet cost-effective storage solutions
- Good resistance to cleaning agents
- Robust design
- Quality finish



## PRODUCT FEATURES

- Grade 316 stainless steel cleanroom cabinet solution
- Robust design
- Elite steel choice
- Robust design
- Wide selection of different storage options and drawer configurations

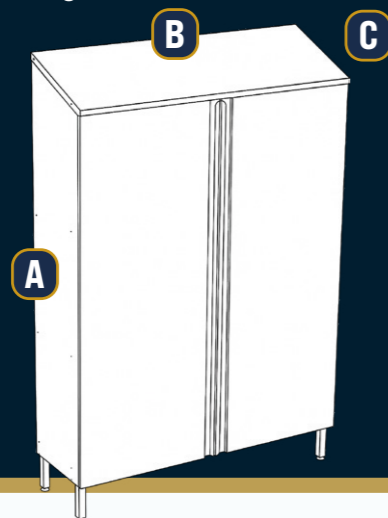
# 316 STAINLESS STEEL CABINETS

When uncompromising durability meets the highest hygienic standards, the result is ISOstore Pro – a premium-grade storage cabinet engineered specifically for the most demanding cleanrooms. Crafted entirely from grade 316 stainless steel, ISOstore Pro is the superior choice when resistance to corrosion, moisture and harsh disinfectants is non-negotiable.



A	B	C
600	300	600
600	300	1200
600	300	1800
600	300	2400
850	600	600
850	600	1200
850	600	1800
850	600	2400

A	B	C
1800	300	600
1800	500	600
1800	300	900
1800	500	900
1800	300	1200
1800	500	1200



# ISOstore LITE

# MILD STEEL COSHH CABINETS

ISOstore Lite is a high-performance, cleanroom-compatible COSHH storage solution, designed specifically for the controlled handling of flammable and hazardous substances. Engineered for compliance, safety, and efficiency, ISOstore Lite ensures your cleanroom remains organised, secure and regulation-ready. ISOstore Lite is a cleanroom-ready, powder-coated steel unit with a smooth, easy-to-clean finish, ensuring minimal particle shedding and full compatibility with sanitation protocols.



A	B	C
1015	460	915
1780	460	915

Other size options available



## PRODUCT FEATURES

- Powder-coated steel COSHH cabinet
- Enhanced workplace safety
- Variety of different size units available
- Durable mild steel construction
- Lockable unit



**Standard Product Options**

Smaller and taller cabinet configurations
<b>Multi-drawer options</b>
Castors option (smaller units)
<b>Internal rails and shelving options</b>
Optional lockable doors
<b>No doors - or no doors/half shelves</b>

**Features & benefits**

- High-performance material options – choice of Trespa Toplab or Sealwise Waterproof Construction Board (wcb). Select the ideal material based on your cleanroom’s chemical exposure, moisture levels and cleaning protocols. Both offer excellent durability and hygiene
- Seamless, non-shedding construction – smooth edges, sealed joints and non-porous surfaces prevent particle shedding and microbial build-up – critical for contamination control



**Standard Product Options**

Smaller and taller cabinet configurations
<b>Multi-drawer options</b>
Castors option (smaller units)
<b>Internal rails and shelving options</b>
Optional lockable doors
<b>No doors - or no doors/half shelves</b>
Floor standing or wall-mounted
<b>Brushed or electro-polished</b>

**Features & benefits**

- Constructed entirely from molybdenum-alloyed 316 stainless steel, offering superior corrosion resistance in environments with exposure to chemicals, chlorides, saline solutions, and frequent sterilisation
- Fully welded, seamless design – precision-welded construction with smooth joints and corners, eliminating crevices where contaminants could accumulate, enhancing cleanability and hygiene



**Standard Product Options**

Smaller and taller cabinet configuration
<b>Multi-drawer options</b>
Castors option (smaller units)
<b>Internal rails and shelving options</b>
Optional lockable doors
<b>No doors - or no doors/half shelves</b>
Floor standing or wall-mounted
<b>Brushed or electro-polished</b>

**Features & benefits**

- Cost-effective cleanroom solution– offers excellent performance at a lower price point than grade 316, making it ideal for budget-conscious projects
- Good corrosion resistance – resistant to most common cleaning agents, making it suitable for environments with moderate chemical exposure
- Hygienic and non-porous surface– smooth stainless steel surface is easy to sanitise and does not support microbial growth
- ISO cleanroom compatible (ISO6-8 advisable)



**Features & benefits**

- Cleanroom-compatible design – smooth, non-porous surfaces minimise particle accumulation and make cleaning easy, supporting cleanroom ISO standards
- Coshh-compliant storage – fully compliant with control of substances hazardous to health (coshh) regulations for the safe containment of flammable and hazardous substances
- Compact footprint, maximum efficiency – space-saving dimensions with generous internal volume, ideal for cleanrooms with limited space
- Enhanced workplace safety – materials signage, secure locking mechanism and flame-arresting features reduce risk of accidents and unauthorised access
- Durable steel construction – built from high-quality steel with corrosion-resistant powder coating for long-term durability in controlled environments



clearly labelled hazardous secure locking mechanism



**P**recision-engineered for the most demanding environments, Guardware’s range of cleanroom shelving delivers uncompromising hygiene, strength and reliability.

Our collection includes premium stainless steel 304 and 316 shelving units, durable chromate wire racking, and sleek wall-mounted stainless steel shelves, each designed to meet the stringent requirements of controlled environments.

Crafted with smooth, easy-to-clean surfaces, corrosion-resistant materials, and open structures for optimal airflow, Guardware shelving minimises contamination risks while maximising storage efficiency.

Every unit is built for stability, load-bearing performance, and compatibility with GMP and ISO cleanroom standards – ensuring your workspace stays organised, compliant and contaminant-free.

# GRADE 316 STAINLESS STEEL

ISOshelf Max Grade 316 stainless steel box section shelving is the premium choice for high-grade cleanroom environments – engineered for exceptional resistance to corrosion, aggressive cleaning agents and demanding sanitisation regimes. Precision-welded box section construction delivers a rigid, hygienic framework that meets the highest standards of GMP and ISO compliance. Crafted from fully welded 316 stainless steel, its box-section frame eliminates dirt traps and resists even the harshest cleaning agents – ideal for GMP cleanrooms.



A	B	C
1800	1000	500
1800	1200	500
1800	1500	500
1800	1800	500

## PRODUCT FEATURES

- High-performance grade 316 stainless steel shelving unit
- 3 or 4 or 5-tier shelving units
- Elite chemical resistance
- Bespoke designs upon request
- Robust design

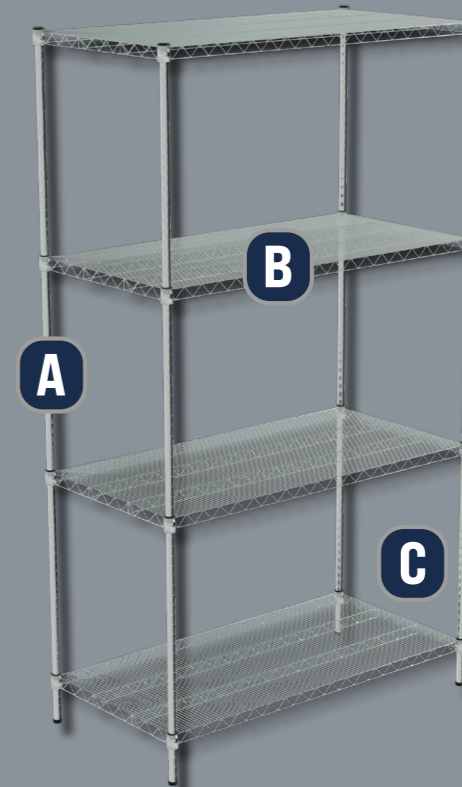


# CHROME WIRE RACKING

ISOshelf Plus chrome wire racking offers a practical, lightweight option for non-critical areas requiring high visibility and improved airflow. Its open-grid design enhances ventilation, ensuring minimal disruption to laminar flow systems and reducing the risk of particle build-up – essential for maintaining environmental control. The open structure also provides clear visibility, supporting quick inventory checks and reducing unnecessary handling.

A	B
1650	600
1650	800
1650	900
1650	1000
1650	1200
1650	1500
1650	1800
1800	600
1800	800
1800	900
1800	1000
1800	1200
1800	1500
1800	1800

- C** 300mm 400mm  
500mm 600mm



## PRODUCT FEATURES

- Chrome or stainless steel wire racking
- 3 or 4-tier units
- Ideal solution for airflow
- Reassuringly cost-effective
- Simple yet effective racking



## PRODUCT FEATURES

- Grade 304 stainless steel cleanroom shelving units
- 3 or 4 or 5-tier shelving units
- Range of standard shelving options
- Bespoke designs also available
- Quality finish

# GRADE 304 STAINLESS STEEL

ISOshelf Pro is Guardware's 304 stainless steel box section shelving solution – engineered to deliver strength, longevity and compliance across a wide range of cleanroom classifications from ISO Class 5-8 and GMP Grade B-D. The box section construction provides a solid, stable frame with smooth, wipe-clean surfaces that integrate seamlessly into GMP and ISO-compliant workflows.



A	B	C
1800	1000	500
1800	1200	500
1800	1500	500
1800	1800	500



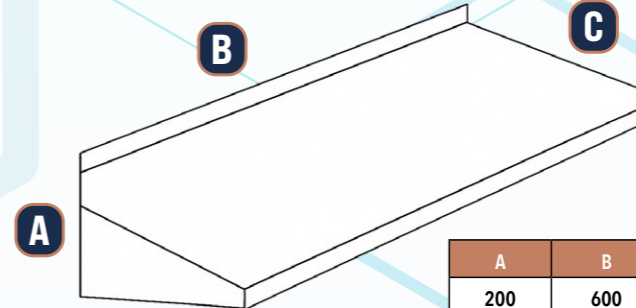
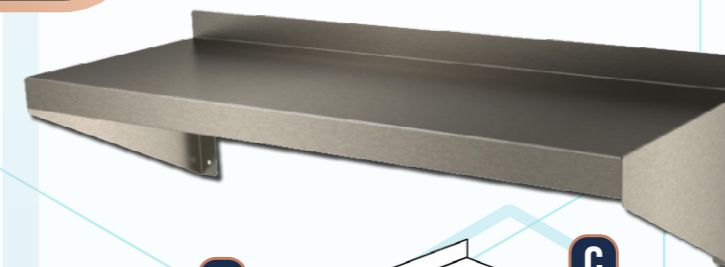
# ISOseat<sup>LITE</sup>

ISOshelf Lite stainless steel wall-mounted shelving units are practical, space-saving storage solutions for cleanroom environments where hygiene, durability and compliance are essential.

It's the perfect, cost-effective solution for applications where space is at a premium.

The smooth, non-porous finish is easy to clean and disinfect. You can choose between a solid or perforated shelf base, depending on your desired airflow requirements. Custom widths, depths and heights are available

# GRADE 304 WALL-MOUNTED



on request, while the price is determined per shelf unit.

Store vital equipment, tools and supplies for easy access whilst keeping your work surfaces clear.

A	B	C
200	600	300
200	800	300
200	1000	300
200	1200	300
200	600	400
200	800	400
200	1000	400
200	1200	400

## PRODUCT FEATURES

- Grade 304 stainless steel wall-mounted shelf
- Ideal space-saving storage solution
- Strong chemical resistance
- Cost-effective alternative to free-standing units



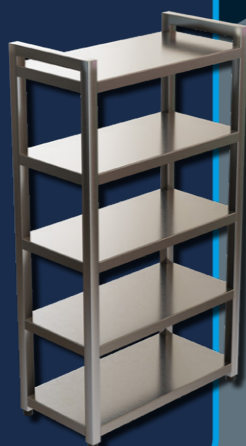
**ISOshelf** MAX

### Standard Product Options

Solid Shelves
Heavy Duty Bars
3, 4 or 5 tiers
Perforated Shelves

### Features & benefits

- Corrosion resistance: excellent resistance to chemicals, moisture, and corrosive agents (especially chlorides), making it ideal for sterile and humid environments
- High cleanability: smooth, non-porous surface resists microbial growth and is easy to clean and disinfect
- Non-reactive surface: does not leach or react with chemicals, protecting sensitive samples and equipment
- Durability: high strength and toughness ensure long service life, even under heavy use and harsh cleaning protocols
- Compliance: meets industry standards for cleanroom environments



**ISOshelf** PRO

### Standard Product Options

Solid Shelves
Heavy Duty Bars
3, 4 or 5 tiers
Perforated Shelves

### Features & benefits

- Corrosion resistance: good resistance to many common chemicals and oxidising environments found in labs
- Hygienic surface: smooth, non-porous, and easy to clean – inhibits bacterial growth and supports sterile protocols
- Cost-effective: 304 is more affordable than 316 stainless steel, offering good performance for less demanding environments
- Durable & strong: high mechanical strength and wear resistance under regular lab use.
- Aesthetic finish: maintains a clean, professional look; available in brushed or polished finishes



**W**hen every detail matters, Guardware delivers waste management solutions engineered specifically for cleanroom and high-containment environments.

The ISO range includes intelligent integrated bins, multi-shute waste units for segregating different waste streams without compromising containment and traditional ring bag holder bins for dependable simplicity.

Designed to meet the stringent requirements of ISO and GMP cleanrooms, every Guardware bin is crafted from smooth, non-shedding, corrosion-resistant materials that are easy to clean and disinfect. Seamless, crevice-free construction minimises contamination risk, while antistatic and chemical-resistant finishes help maintain compliance in critical spaces. Guardware bins ensure efficient, hygienic and compliant waste disposal – without disrupting workflow.

**ISO**waste

**ISOshelf** PLUS

### Standard Product Options

Stainless Steel option available
Levelling Feet of Castors
3 or 4 tiers

### Features & benefits

- Cost-effective: significantly lower price point than stainless steel, ideal for budget-conscious set-ups
- Open wire design: promotes better airflow and ventilation, reducing dust accumulation and aiding in temperature/humidity control
- Lightweight and easy to assemble: quick installation and reconfiguration make it ideal for adaptable lab environments
- Good visibility: open shelving design allows for easy identification and access to stored items



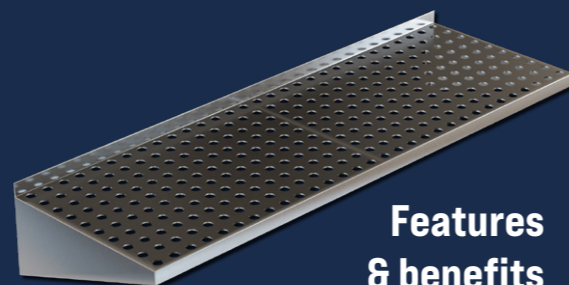
**ISOshelf** LITE

### Standard Product Options

Solid of perforated
Grade 316 upgrade available

### Features & benefits

- 1.2mm stainless steel thickness
- Built in cantilever brackets with wall fixing holes
- 40mm rear upstand – part of construction
- Corrosion resistance: offers solid protection against most common chemicals, moisture, and cleaning agents used in lab and cleanroom environments
- Hygienic and easy to clean: non-porous, smooth surface resists microbial growth and allows for quick, thorough sanitisation – ideal for sterile environments
- Durable and strong: high tensile strength makes it capable of supporting heavy equipment or supplies when properly installed



# INTEGRATED WASTE SOLUTION

ISOwaste Max Engineered for seamless integration into washroom walls, the ISOwaste Max offers a discreet and space-saving solution for efficient waste management. Crafted from durable stainless steel with a brushed finish, this unit delivers long-lasting performance while maintaining a clean, professional aesthetic. It is ideal for high-traffic areas where hygiene and practicality are paramount. The self-closing flap lid minimises exposure to waste, reducing the risk of cross-contamination and containing odours effectively.



A	B	C
710	360	115

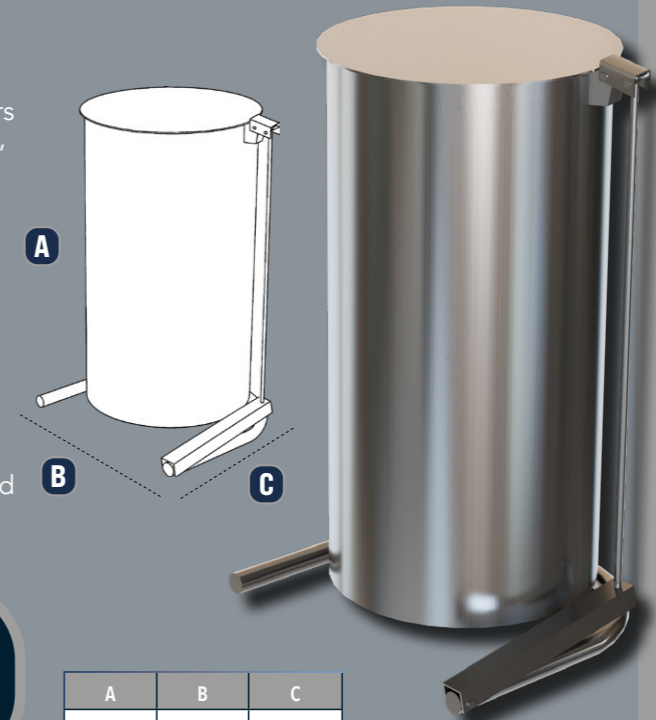
## PRODUCT FEATURES

- Recessed, wall-mounted waste receptacle
- Brushed 304 or 316 stainless steel
- 14-litre capacity
- Self-closing flap
- Installation available from Guardtech engineers



# RING BAG HOLDER: SHROUDED OR OPEN

Designed for enhanced hygiene and cleanroom compliance, the ISOwaste Pro shrouded bin ring bag holder offers secure waste containment with a sleek, enclosed aesthetic. The full stainless steel shroud conceals the waste bag for a cleaner visual profile and added splash protections. The top-mounted bag ring holds liners firmly in place without a rigid bin body, supporting fast bag changes in high-throughput zones where hygiene and efficiency are critical. Alternatively, the more simplified bin ring bag holder option securely supports disposable waste bags without the need for a full bin body – reducing contamination risk and simplifying sanitisation, as dust traps are minimised.



A	B	C
790	480	415

## PRODUCT FEATURES

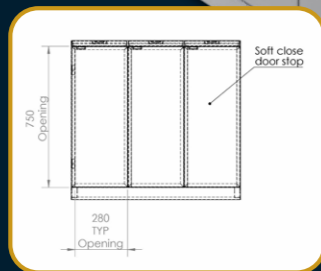
- Available in 304 or 316 stainless steel
- Fully enclosed solution or basic ring-only option
- Pedal-operated waste solution
- Durable, robust waste option ideal for harsh cleaning regimes



## PRODUCT FEATURES

- Available in 304 or 316 stainless steel
- Hygienic, fully enclosed waste management solution
- Multi-shute configurations
- Robust design
- Ideal for waste segregation

# MULTI-CHUTE BIN



Constructed from premium grade 304 or 316 stainless steel, this robust and sleek unit features multiple independent waste chutes, enabling safe, efficient separation of different waste streams – ideal for GMP-compliant operations.

ISOwaste Pro configurations include up to four individual top-access chutes for clear segregation of general, recyclable, hazardous and specialist waste.

Available in 304 for general use or 316 for enhanced corrosion resistance in sterile or harsh chemical environments. Internal hinged bag retaining brackets ensure quick bag changes and secure waste containment.



# ISOwaste LITE

Secure, accessible waste control for cleanroom and laboratory spaces. The ISOwaste Lite stainless steel free standing sprung bin holder is designed to hold waste bags firmly in place without the need for a rigid bin – reducing contact points and simplifying cleaning. Ideal for various workspaces when the need for closed away waste is not needed. Easy to move across spaces. Crafted from high-quality grade 304 or 316 stainless steel to resist corrosion, provide durability, and ensure a smooth, easy-to-clean surface ideal for cleanroom environments. Ideal for cleanroom waste management, its design adapts easily to various cleanroom layouts and flow requirements.

# COST-EFFECTIVE WASTE SOLUTION



A	B	C
730	580	580

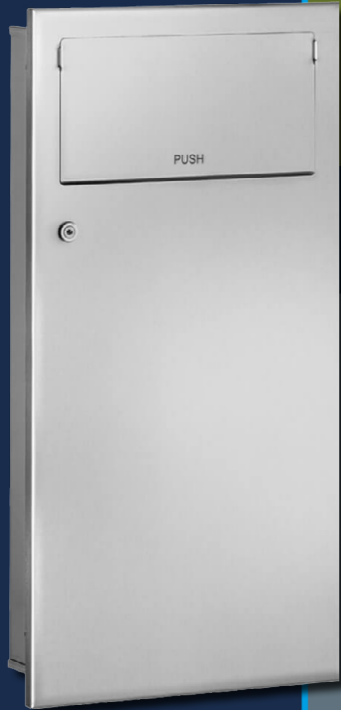
## PRODUCT FEATURES

- The most cost-effective ISOwaste cleanroom solution
- Heavy duty baseplate
- Simple design
- Lightweight construction
- Easy to clean



**Features & benefits**

- Space-saving design: fully recessed for a flush, unobtrusive fit in partition walls or vanity units
- Units cannot be installed by the Guardware installation team
- Robust stainless steel construction: corrosion-resistant with a sleek brushed finish for easy cleaning
- Self-closing lid: spring-loaded flap ensures quick closure to maintain hygiene and conceal waste
- Effortless maintenance: internal liner allows for straightforward emptying and replacement
- Professional fit: suitable for healthcare facilities, cleanrooms, and controlled environments



**Standard Product Options**

2, 3 or 4-chute configurations

Grade 304 or 316 stainless steel

**Features & benefits**

- Multi-chute configuration: four independent waste chutes for segregating different waste streams (e.g., general, recyclable, hazardous)
- 304 or 316 stainless steel construction: available in either 304 (general use) or 316 (enhanced corrosion resistance) stainless steel
- Hinged, configurable lids: each chute features a hinged lid that can be configured open or closed based on operational needs
- Internal hinged bag retaining brackets: securely hold waste bags in place and fold out for easy access during bag changes
- Segregated design supports compliance with GMP and cleanroom protocols



**Standard Product Options**

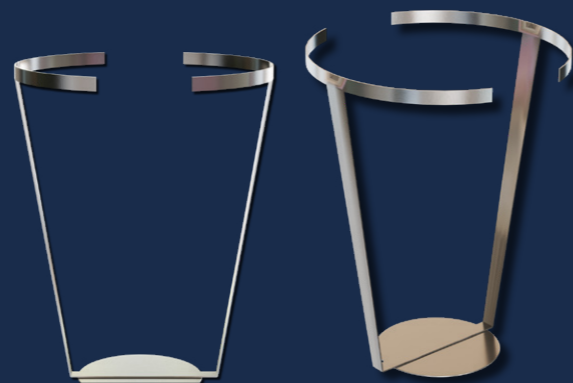
Without lid, ring only
Manual lid
Pedal operated lid
304 stainless steel
316 stainless steel

**Features & benefits**

- Fully enclosed stainless steel shroud for clean, hygienic presentation and splash protection – or open, body-free design, eliminating the need for a full bin body, reducing potential contamination zones and making cleaning faster and more effective
- Top-mounted sprung ring securely holds bags in place for easy, touch-free waste disposal
- Available in 304 or 316 stainless steel to suit varying cleanroom and chemical resistance needs
- Hygiene-first construction: ideal for controlled environments – no enclosed spaces where dirt, dust or microbes can gather



**Features & benefits**



- Secure sprung mechanism: features a robust sprung ring that firmly holds bag liners in place, minimising the risk of spills and contamination
- Touch-free operation: designed to support hygienic, hands-free disposal, reducing cross-contamination in critical cleanroom settings
- Sleek, minimalist design: its streamlined profile and polished finish ensure it integrates seamlessly into cleanroom aesthetics while maintaining functionality
- Low maintenance: the smooth surface and minimal crevices simplify cleaning, helping to maintain ISO and GMP cleanliness standards

In high-specification cleanroom environments, storage must meet the same uncompromising standards as every other element of your operation.

The Guardware range of cleanroom lockers offers a complete solution, with configurations available in Trespa, Sealwise, grade 316 or 304 stainless steel, Grade 304 stainless steel and durable mild steel – each selected to suit specific hygiene, durability and budget requirements.

Every Guardware locker is engineered for cleanroom compliance, featuring smooth, non-porous, easy-to-clean surfaces and crevice-free construction to prevent dust, particle and microbial accumulation. Materials are chosen for their chemical resistance, low particle shedding, and corrosion protection, ensuring performance in even the most demanding GMP and ISO-classified environments.

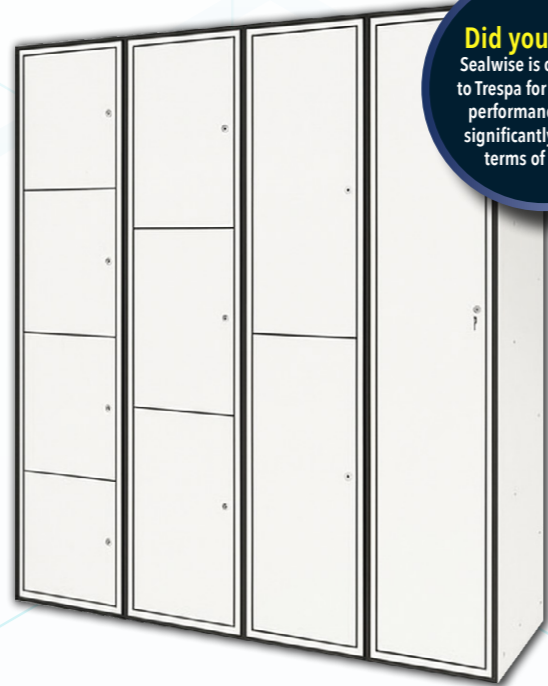


# TRESPA/SEALWISE LOCKERS

Ensure the highest standards of cleanliness and performance in your controlled environment with our premium ISOlock Max cleanroom changing room lockers. Constructed with a choice of either Trespa or Sealwise WCB (Waterproof Construction Board), these lockers are purpose-built to meet the stringent demands of the highest grade cleanrooms in sectors like Pharmaceuticals, Biotech and Healthcare.



SINGLE UNITS - TRESPA & SEALWISE		
A	B	C
1990	350	300



**Did you know?**  
Sealwise is comparable to Trespa for quality and performance plus it's significantly lighter in terms of weight!

## PRODUCT FEATURES

- Elite Trespa or Sealwise construction
- Ideal for higher grade cleanrooms
- Stunning aesthetic
- Superior resistance to harsh chemicals
- Elite-level quality for elite applications



# GRADE 304 STAINLESS STEEL

Developed for performance in cleanroom change environments, Guardware ISOlock Plus grade 304 stainless steel lockers provide a robust and hygienic storage solution. Built to withstand frequent cleaning and wear, these lockers support GMP and ISO-14644 compliance across a wide range of industries. Constructed from grade 304 stainless steel, a corrosion-resistant and durable alloy ideal for most cleanroom applications.



SINGLE UNITS		
A	B	C
1990	300	300



## PRODUCT FEATURES

- Grade 304 stainless steel construction
- Strong chemical resistance
- Sloped tops
- Easily cleanable modules
- Bespoke options available

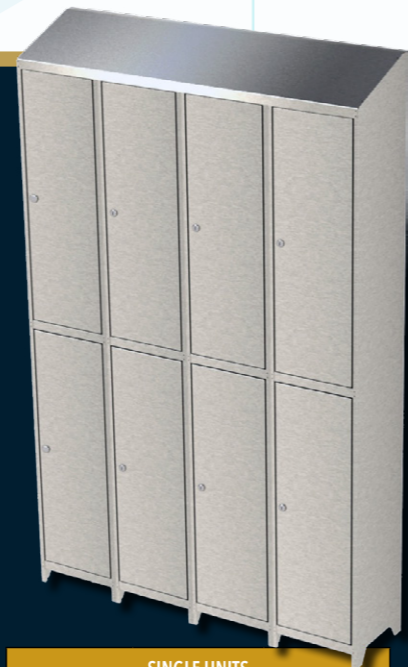
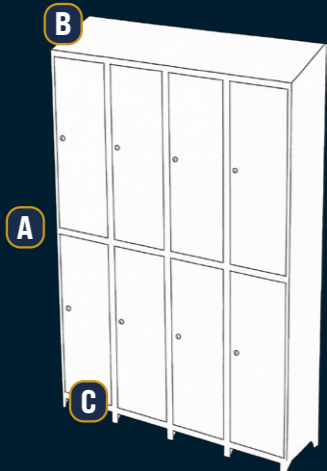


## PRODUCT FEATURES

- Fabricated from high-quality grade 316 stainless steel
- Superior corrosion resistance
- Smooth surface ideal for cleaning
- Durable units
- Sloping top for easy cleaning

# GRADE 316 STAINLESS STEEL

Engineered for hygiene-critical environments, this ISOlock Pro locker offers secure personal storage while meeting stringent cleanroom compliance standards. Manufactured entirely from grade 316 stainless steel, it delivers maximum corrosion resistance and durability. Fully welded from 316 stainless steel, offering enhanced protection against corrosion, pitting and chemical attack – ideal for environments subject to harsh disinfectants and washdown routines. Smooth, crevice-free surfaces with radiused internal corners.



SINGLE UNITS		
A	B	C
1990	300	300



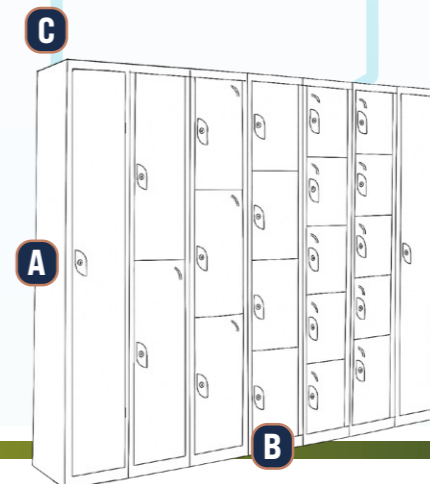
ISOlock Lite is Guardware's most cost-effective locker solution. A robust and versatile personal storage solution designed for widespread utilisation, ISOlock Lite are not designed to be strictly cleanroom compatible like the other options in the range. However,



# POWDER-COATED MILD STEEL

for applications where the change area classification, and cleanliness, is considered less critical than cleanroom facilities and CNC labs with less stringent controls, ISOlock lite is an ideal budget choice for storing personal items and PPE.

A	B	C
SIZE PER SINGLE		
1780	305	305



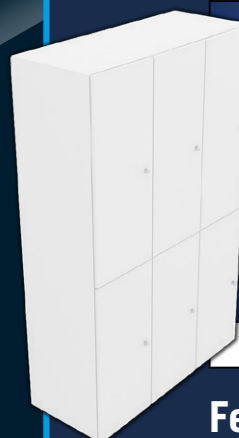
## PRODUCT FEATURES

- Cost-effective change area locker
- Budget option for less critical facility change areas
- Welded steel
- Ideal rapid option for laboratories
- Easy to decontaminate



**ISOlock**MAX

**Standard Product Options**



Key lock
Padlock hasp
Mechanical combination
RFID fob/electronic locking
Door configurations (1, 2, 3 or 4 tiers)
Perforation/Ventilation option
Internal rails
Internal shelving

**Features & benefits**

- Smooth, non-porous surfaces for easy cleaning
- Chemical-resistant surfaces for regular disinfection
- Inhibits microbial growth and contamination
- Seamless, sealed edges to prevent dirt or bacteria accumulation
- Ideal for higher grade cleanroom facilities
- Trespa boasts high resistance to scratches, impact and wear
- Sealwise is 100% recyclable

**ISOlock**PRO

**Standard Product Options**



Electropolished or brushed finish
Key lock
Padlock hasp
Mechanical combination
RFID fob/electronic locking
Door configurations (1, 2, 3, 4, 5, 6 or 10 tiers)
Perforation/Ventilation option
Internal rails
Internal shelving

**Features & benefits**

- Grade 316 stainless steel offers superior corrosion resistance, especially in environments exposed to moisture, disinfectants or chemicals.
- Fully welded seams and smooth surfaces
- Minimises dirt traps and supports cleanroom hygiene protocols
- Non-porous, easy-to-clean finish
- Ideal for sterile areas with stringent cleaning regimes (IPA or hydrogen peroxide)

**ISOlock**PLUS

**Standard Product Options**

Electropolished or brushed finish
Key lock
Padlock hasp
Mechanical combination
RFID fob/electronic locking
Door configurations (1, 2, 3, 4, 5, 6 or 10 tiers)
Perforation/Ventilation option
Internal rails
Internal shelving



**Features & benefits**

- Durable, corrosion-resistant material suitable for most cleanroom applications
- Fully welded body with smooth surfaces: minimizes dirt traps and allows for thorough cleaning and disinfection
- Flexible multi-tier locker configurations to suit user needs and available space
- Sloped tops prevents dust and particle build-up, supporting GMP and ISO compliance

**ISOlock**LITE

**Standard Product Options**

Door configurations (1, 2, 3, 4, 5 or 6 tiers)
All units have barrel door locks with micro sprung 10-disc lock with 3,000 serial combination
Two keys are included with each standard lock
All of the formats are available in red, blue, yellow, green, white, silver/grey and black



**Features & benefits**

- Eight colours available
- Durable welded steel construction
- Built to withstand daily use in demanding settings
- Light grey carcass with vibrant door colour options
- Ventilated doors– allow for passive airflow, helping reduce moisture build-up
- Semi-concealed hinges and reinforced doors add strength and security while maintaining a sleek appearance
- Keeps contents safe and accessible only to authorised users
- Long-lasting powder-coated finish
- Scratch-resistant and easy to clean

**ISOsink**

In controlled environments, the right washing facilities are essential to maintaining hygiene and compliance.

The Guardware range of cleanroom utility sinks offers robust, contamination-controlled solutions for every application – from Sealwise construction units with phenolic resin sinks, to grade 316 and 304 stainless steel models with integrated storage, and simple Belfast-style sinks in grade 316 or 304 for straightforward installation.

Every Guardware sink is engineered for cleanroom compliance, featuring smooth, non-porous surfaces that resist chemical damage and are easy to disinfect.

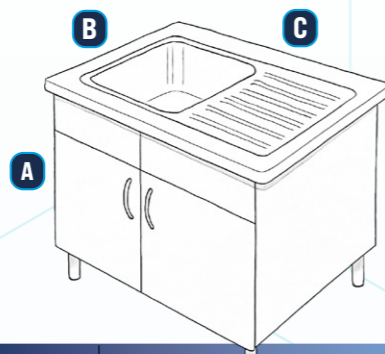
Designs are crevice-free to eliminate dirt and particle traps, while materials are selected for corrosion resistance and low particle shedding to meet ISO and GMP requirements.



## SEALWISE UNIT WITH RESIN SINK

Engineered for hygiene-critical environments, this ISOsink Max basin solution combines high-performance materials and functional design for seamless cleanroom or laboratory operation.

The resin basin and drainage top surface is seamlessly recessed into the Sealwise unit, eliminating dirt traps and ensuring long-term structural integrity under routine disinfection protocols.



A	B	C
850	600	1200
850	600	1500
850	600	1800
850	600	2000
850	600	2400

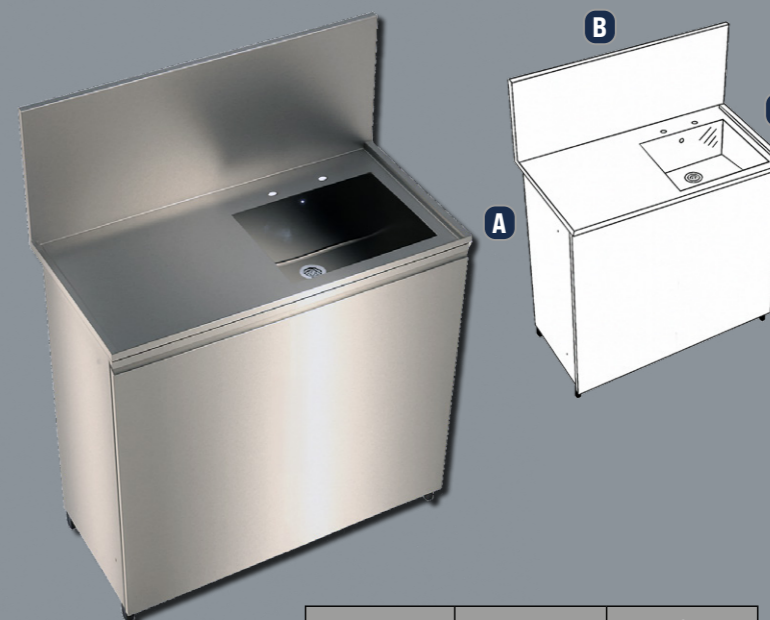
### PRODUCT FEATURES

- Fully integrated Sealwise solution
- Elite chemical resistance
- Smooth joins for enhanced cleanability
- Custom cabinet configurations
- High-class finish



## STAINLESS STEEL SHROUDED

Built to meet the demands of controlled environments, the ISOsink Plus offers a complete hygienic workstation for handwashing, equipment rinsing and component cleaning. Crafted from premium 304 or 316 grade stainless steel, this shrouded unit features one or two deep-formed bowls, a hygienic rear splashback and a sloped ribbed drainer for efficient water runoff and drying.



A	B	C
850	400	1200
850	400	1500
850	400	1800
850	400	2000
850	400	2400



### PRODUCT FEATURES

- Grade 316 or 304 stainless steel sink unit with drainer
- Simple yet highly efficient design
- Robust option for clients that don't need storage
- Easy to clean and maintain - hides



### PRODUCT FEATURES

- Hygienic Surface
- Superior Chemical Resistance
- Low Maintenance
- Durable
- Static Dissipative Options
- Thermal & Acoustic Insulation

## STAINLESS STEEL WITH STORAGE

The ISOsink Pro is a robust, fully enclosed workstation engineered for high-demand cleanroom, laboratory and hygiene-critical environments.

Featuring single or twin deep bowls, this unit is ideal for intensive washing tasks, PPE decontamination, or equipment prep and rinse procedures. Manufactured from high-grade 304 or 316 stainless steel, the unit integrates a full-height splashback, draining surface, and a lower cabinet for secure storage of cleaning agents, consumables or plumbing components.



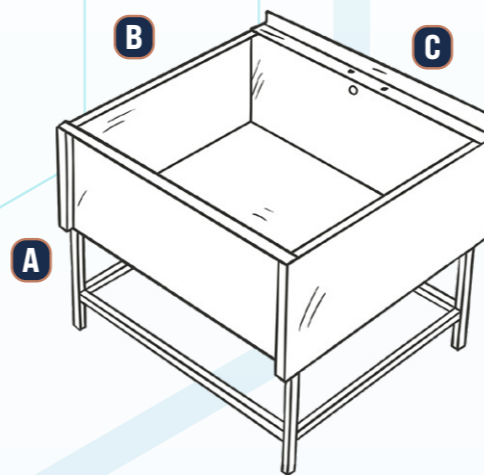
A	B	C
850	400	1200
850	400	1500
850	400	1800
850	400	2000
850	400	2400



## ISOsink<sup>LITE</sup>

## BASIC BELFAST SINK

Engineered for performance in demanding controlled environments, the ISOsink Lite offers robust functionality and ergonomic design. Choose between 304 or 316-grade stainless steel to meet your corrosion resistance and hygiene requirements. This unit features a single or double-bowl configuration for enhanced operational flexibility, mounted on a heavy-duty support frame with adjustable feet for levelling.



A	B	C
850	460	600
905	650	600
905	900	1000
905	1000	1000



### PRODUCT FEATURES

- Grade 316 or 304 stainless steel Belfast sink
- Frame construction
- Robust design
- Seamlessly welded to prevent ingress and contamination
- Easy to clean



# ISOSINK<sup>MAX</sup>

## Standard Product Options



Splashback
Pre-Rinse Spray Arms
Standard Mixer Tap
Separate Hot & Cold Taps
Single or double bowl configuration

## Features & benefits

- 100% waterproof composition – no swelling, rotting, or delamination
- Smooth, sealed surfaces – ideal for high-frequency cleaning protocols
- Built-in antimicrobial silver ion technology – inhibits microbial growth on contact
- Non-shedding and low-outgassing – compliant with ISO cleanroom standards
- Chemically resistant – withstands acids, alkalis, solvents and cleaning agents
- Non-porous – will not absorb water or harbour bacteria
- Heat-resistant – safe for exposure to hot water and sterilisation routines

# ISOSINK<sup>PRO</sup>

## Standard Product Options

Splashback
Pre-Rinse Spray Arms
Standard Mixer Tap
Separate Hot & Cold Taps
Single or double bowl configuration

## Features & benefits

- Single or double sink bowls
- Deep, heavy-duty bowls suitable for large-item cleaning, with rounded internal corners for easy sanitisation.
- Integrated drainer
- Angled for efficient runoff into the sink bowls—ideal for air-drying of tools, containers, or PPE for example
- 304 Or 316 stainless steel construction
- 304 For general-purpose clean areas
- 316 For environments exposed to harsh chemicals or chlorides
- Splashback panel (300mm standard)



**D**esigned for precision hygiene in controlled environments, the Guardware ISO range of cleanroom handwash sinks delivers uncompromising performance, hygiene and durability.

Whether you require advanced automation or robust simplicity, our sinks are designed to meet the stringent demands of ISO-classified facilities.

From sophisticated automated hand-sanitising units with touch-free operation and entry-colour barriers to standard grade stainless steel sinks in 316 or 304, our range offers solutions for every workflow and budget. Options include integrated under-basin storage cabinets for consumables, classic Belfast-style sinks for heavy-duty wash areas and modular configurations to suit single or multi-user stations.

# ISOWASH

# ISOSINK<sup>PLUS</sup>

## Standard Product Options

Splashback
Pre-Rinse Spray Arms
Standard Mixer Tap
Separate Hot & Cold Taps
Single or double bowl configuration

## Features & benefits

- Single or double bowl configuration – double bowl sports dual-user operation or task separation for enhanced contamination control
- Integrated drainer – provides a dedicated drying area for cleaned tools, glassware or ppe – angled for natural drainage and ease of cleaning
- Grade 304 stainless steel – excellent corrosion resistance for most clean environments
- Grade 316 grade stainless steel – enhanced protection for use with harsh chemicals or high-salinity applications



# ISOSINK<sup>LITE</sup>

## Standard Product Options

Splashback
Pre-Rinse Spray Arms
Standard Mixer Tap
Separate Hot & Cold Taps
Single or double bowl configuration

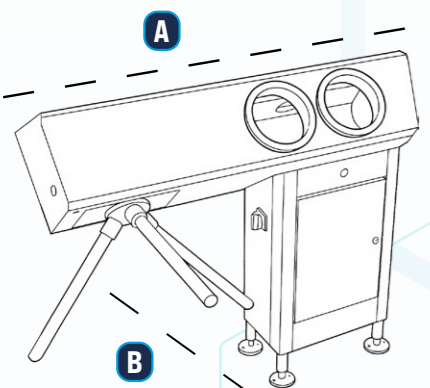
## Features & benefits

- Optional double-bowl configuration
- Allows for dual-user functionality or separation of tasks to support contamination control protocols
- High-grade stainless steel construction tig-welded seams, brushed finish, and rounded internal corners to support hygienic maintenance and durability under frequent cleaning cycles
- Integrated splashback panel
- Seamlessly welded rear upstand prevents wall contamination and water ingress, ensuring compliance
- Heavy-duty frame with adjustable feet
- Powder-coated or stainless steel frame provides stability and ergonomic working height Levelling feet allow adaptation to uneven surfaces



# AUTOMATED HAND SANITISING STATION

Engineered for environments where hygiene and contamination control are critical, the ISOwash Max entry control hand sanitiser station is the ultimate solution for managing personnel entry into cleanroom and controlled environments. This fully automated, stainless steel hand sanitiser system ensures compliance, enhances safety and streamlines workflow – delivering elite sanitisation performance with a minimal footprint.



Ideal for GMP-regulated and ISO-classified cleanroom facilities, the unit promotes strict hand hygiene protocols at critical control points. Infrared sensors activate the sanitiser dispense system automatically, eliminating cross-contamination.

A	B	C
1460	900	1115

## PRODUCT FEATURES

- Elite high-tech hand sanitising station solution
- Automated hand washing
- Adjustable sanitisation times
- Grade 304 stainless steel construction
- Entry control



# SHROUDED STAINLESS SINK

Designed for consistent performance in a wide range of cleanroom facilities, this fully shrouded, frame-mounted ISOwash Plus stainless steel basin is available in 1, 2, 3 or 4-person configurations. Choose from Grade 304 or 316 stainless steel to suit your environment, with options for high or low splashback. The enclosed design delivers a sleek, hygienic finish that's easy to clean and ideal for sterile wash areas. A shrouded design is ideal for cleanroom applications because it supports strict hygiene and contamination control standards.

A	B	C
1200	850	400
1500	850	400
1800	850	400
2100	850	400
2400	850	400



## PRODUCT FEATURES

- Shrouded, enclosed sink – plumbing hidden
- Grade 316 or 304 stainless steel
- Robust design
- Easy to clean and maintain
- Long-lasting construction

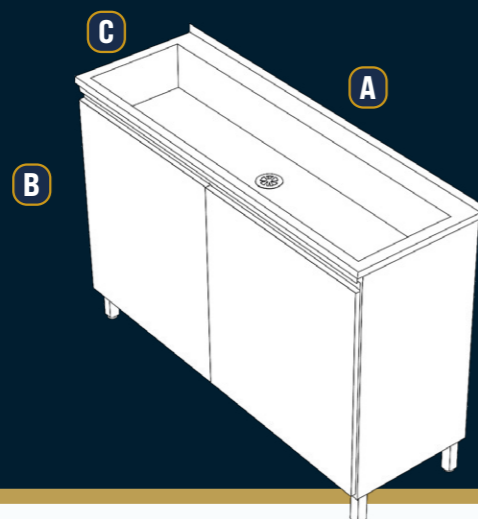


## PRODUCT FEATURES

- Grade 316 or 304 stainless steel sink
- Includes built-in cabinet with option to add locks
- Long-lasting, robust design
- Multi-operator sinks configurations available
- Quality design

# STAINLESS SINK WITH CABINET

The ISOwash Pro handwash sink combines robust hygiene with practical storage in a sleek, stainless steel wash station. Available in 1, 2, 3 or 4-person configurations, this unit features a Grade 304 or 316 stainless steel basin with optional high or low splashback, housed within a secure cabinet offering lockable doors and internal shelving.



A	B	C
1200	850	400
1500	850	400
1800	850	400
2100	850	400
2400	850	400



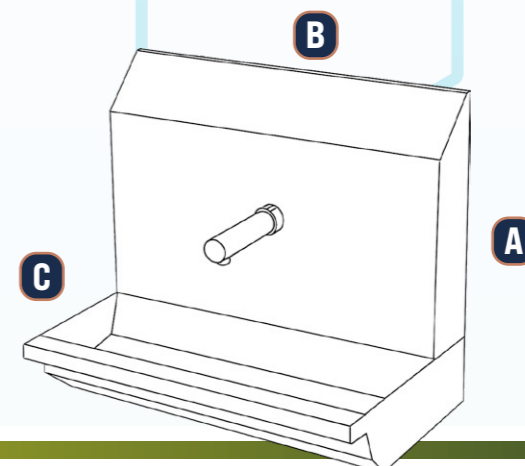
# ISOwash LITE



# WALL-MOUNTED STAINLESS SINK

Crafted from Grade 304 or 316 stainless steel, this cost-effective, wall-mounted basin offers exceptional durability and corrosion resistance – ideal for controlled environments where compliance is key. Available with high or low splashback options to suit your layout and cleaning protocol, ISOwash Lite features pre-drilled wall fixing holes for quick, secure installation. The wash station's non-porous surface is perfect for a smooth and easy clean as well as reducing microbial growth.

A	B	C
540	500	380
540	1000	380
540	1500	380
540	2000	380
540	3000	380
150	1200	400
150	1500	400
150	1800	400
150	2400	400



## PRODUCT FEATURES

- Cost-effective basin sink or wider washtrough solution
- Wall-mounted wash station solution
- Grade 316 or 304 stainless steel
- Corrosion resistant
- Ideal for change areas with less space



**ISOWASH** MAX

**Standard Product Options**

- Disinfectant entry control hand sanitiser
- Soap entry control hand sanitiser

**Features & benefits**

- Hands-free infrared activation – sensor-based operation for hygienic, touch-free sanitiser dispensing
- 304 grade stainless steel construction – corrosion-resistant, durable, and easy to clean. Ideal for GMP and ISO classified facilities
- Integrated access control option – can be linked to turnstiles or automated door systems to enforce mandatory sanitisation before entry
- High-capacity sanitiser tank – suitable for high-footfall areas, reducing downtime from frequent refills
- Led user guidance indicators – visual signals guide users through sanitising process and system readiness
- Floor or wall-mounted design – flexible installation to fit gowning rooms, airlocks and entry vestibules



**ISOWASH** PRO

**Standard Product Options**

- High or low splashback
- Shelving options
- Lock option
- Integrated bin option
- 1, 2, 3 or 4-person trough
- Motion sensor taps
- Dyson Airblade taps

**Features & benefits**

- Smooth stainless steel surfaces prevent microbial growth and are easy to wipe down with disinfectants
- Lockable doors keep essential items (like PPE, sanitising agents, or tools) safe, preventing unauthorised access or tampering
- Ideal for GMP-regulated environments where controlled storage is required
- Internal shelving offers a tidy, efficient way to store cleanroom consumables or hand-washing supplies, reducing clutter. Helps maintain a visually clean, compliant workspace



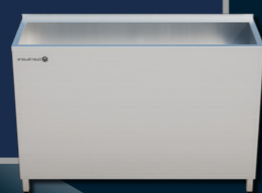
**ISOWASH** PLUS

**Standard Product Options**

- Grade 316 or 304 stainless steel
- Electropolished option
- 75mm low splashback
- 150mm high splashback
- Integrated bin
- Motion sensor taps
- Dyson Airblade taps

**Features & benefits**

- The shroud encloses plumbing and structural elements, eliminating hard-to-clean gaps and crevices where dirt, microbes, or particulates could accumulate
- The smooth, continuous surfaces of a shrouded unit are easier to wipe down and disinfect – crucial for maintaining cleanroom compliance
- Plumbing and structural supports are hidden behind the shroud, preventing exposure to airborne particles and making the unit more streamlined and professional in appearance



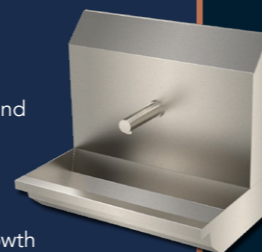
**ISOWASH** LITE

**Standard Product Options**

- Low 75mm splashback
- High 150mm splashback
- Grade 304 stainless steel
- Grade 316 stainless steel
- Motion sensor (infrared) taps
- Dyson Airblade taps
- Knee-operated functionality

**Features & benefits**

- Sensor operated, soap dispensers or hand driers available options
- Hygienic and easy to clean
- Grained polished 240 silicone grain or electropolished finish
- Non-porous surface resists bacterial growth and is easy to disinfect
- Smooth finish prevents dirt, microbes, and contaminants from accumulating
- Complies with strict cleanliness standards in ISO- and GMP-grade cleanrooms



The Guardware ISOMove range is built for the strict demands of cleanrooms, combining durability, hygiene and smooth handling.

Available in high-grade 316 or 304 stainless steel, as well as a cost-effective chrome wire model, these trolleys are designed with smooth, non-porous surfaces, minimal dust-trap construction, and easy-clean finishes to maintain compliance in controlled environments.

Multi-tray and open-frame configurations provide flexibility for transporting and organising items, while non-marking castors ensure quiet, stable movement without disturbing cleanroom airflow. From ISO Class 4 to ISO Class 8, Guardware ISOMove delivers reliable performance for pharmaceutical, biotech, semiconductor, and precision manufacturing facilities.

**ISOMOVE**



# EURO CONTAINER TRAY TROLLEY

Designed for efficient, hygienic handling of standard Euro containers in controlled environments, the ISOmove Max stainless steel tray trolley provides a durable, GMP-compliant solution for material transfer and staging. Constructed from Grade 304 or 316 stainless steel, the unit features a rigid welded frame with smooth, wipe-clean surfaces for optimal hygiene. Precision runners accommodate containers or trays at fixed intervals, allowing for organised, high-density storage with easy access.



THINNER OPTION		
A	B	C
1520	360	600
WIDER OPTION		
A	B	C
1520	710	600

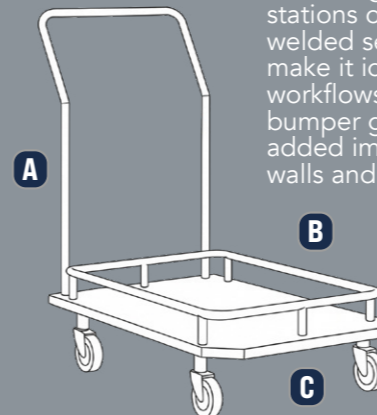
## PRODUCT FEATURES

- Efficient, hygienic design
- Elite-level transit solution
- Multiple tier configurations
- Durable stainless steel options
- Quality, robust construction



# SINGLE HANDLE BUMPER GUARD

Our ISOmove Plus is a low-level stainless steel trolley crafted from high-grade 304 stainless steel, offering durability, chemical resistance and cleanability in controlled environments. The ergonomic side handle ensures safe, stable manoeuvring, while the low-profile design is perfect for sliding under benches, docking stations or pass-through zones. Smooth-welded seams and a wipe-clean surface make it ideal for ISO and GMP-compliant workflows. Enhanced with a protective bumper guard, the ISOmove Plus offers added impact resistance, safeguarding walls and equipment during transport.



A	B	C
1000	900	600



## PRODUCT FEATURES

- Simple yet robust construction
- Bumper guard option for added protection
- Easy to clean
- Durable and cost-effective
- Long-lasting product



## PRODUCT FEATURES

- Dual handle for enhanced control
- Hygienic and corrosion resistant
- Directionally flexible design
- Robust cleanroom transit solution
- Easy to maintain and clean

# DUAL HANDLE STAINLESS TROLLEY

Engineered for cleanroom performance, the ISOmove Pro is a dual-handle stainless steel tiered trolley which offers secure, compliant transport for materials, components or instruments. Available in Grade 304 or 316 stainless steel, it delivers excellent chemical resistance and long-term durability in controlled environments.



A	B	C
1000	900	600

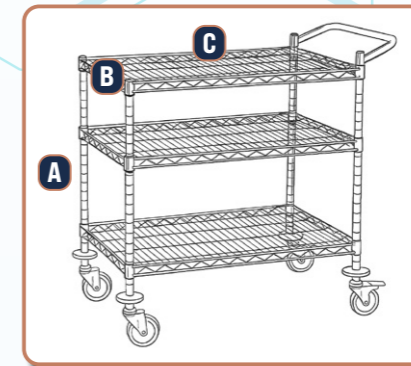


# ISOmove LITE

Built for adaptable, day-to-day support, Guardware's ISOmove Lite racking trolley offers a practical transport solution with a hygienic, easy-clean finish. Available in 2-tier or 3-tier formats, these modular carts are constructed with a durable chrome-plated frame and smooth wire shelves – ideal for equipment movement, supply transfer or

# GRADE 304 STAINLESS BENCH

material staging. Durable and corrosion-resistant, ISOmove Lite features a robust frame and ergonomic handle for easy manoeuvrability. Designed for cleanroom and industrial use, it provides secure, efficient transport and storage of equipment while maintaining strict hygiene standards.



A	B	C
960	500	800
960	500	900
960	500	1000

## PRODUCT FEATURES

- Budget Guardware trolley solution
- Smooth wire finish
- Wire design ideal for allowing airflow and preventing debris build-up
- Easy to clean
- Also available as shelving option



## Standard Product Options

304 stainless steel

316 stainless steel

### Features & benefits



- Compatible with standard Euro containers or Euronorm trays
- Available in Grade 304 or 316 stainless steel for enhanced corrosion resistance
- Fully welded frame with easy-clean surfaces for ISO and GMP environments
- Customisable tier spacing and capacity based on tray size and load
- 4-braked swivel castors
- Fitted with cleanroom-grade castors for safe, smooth handling

## Standard Product Options

Dual handle with solid shelves

Dual handle with perforated shelves

Dual handle with wire shelves

2 or 3 tiers

304 or 316 stainless steel



### Features & benefits

- Available in grade 304 or 316 stainless steel for long-term durability and chemical resistance
- Choice of solid, perforated or wire shelves to suit airflow, hygiene or containment needs
- Dual-handle design for improved control, manoeuvrability and multi-operator use
- Configurable with 2, 3 or more tiers, with custom spacing available on request
- Fitted with cleanroom-grade swivel castors — antistatic, braked and non-marking options available
- Fully welded, robust stainless steel frame with smooth, wipe-clean surfaces for ISO and GMP compliance

## STOOLS



Designed for operators who suffer from back problems or whose work demands mobility, Guardware cleanroom stools provide a naturally balanced sitting position.

## TAPS



A wide range of cleanroom compatible taps includes:

- Dyson Airblade
- Motion sensor
- Elbow mixer
- Short pre-rinse
- Short pre-rinse with pot filler
- Pre-rinse mono block
- Lever pillar
- Deck lever

## MIRRORS



With a range of standard sizes and bespoke sizes, shapes and configurations, simply tell us your cleanroom mirror requirements and we'll find the perfect change room mirror solution.

## COAT HOOKS



High-quality stainless steel coat hooks in a variety of configurations and lengths. For a wider choice of more sophisticated gown storage solutions ask the Guardware team about the ISOgown range, which includes rails and HEPA filtered options.

## Standard Product Options

4 braked swivel castors

Bumper guard option

### Features & benefits

- Grade 304 stainless steel construction provides excellent corrosion resistance and long-term durability
- Ergonomic side handle allows for safe, controlled movement with minimal operator strain
- Fully welded frame with smooth, wipe-clean surfaces for uncompromising hygiene
- Small bullet point box
- Wipe clean surfaces
- Bumper guard option for added security
- Durable design



## Standard Product Options

2 tier

3 tier

800mm, 900, 1000mm lengths

### Features & benefits

- Durable chrome-plated frame with wipe-clean wire shelves for hygienic use in controlled spaces
- Available in 2-tier or 3-tier configurations to suit your workflow requirements
- Choice of 800mm, 900mm or 1000mm lengths to match space constraints and load needs



## DISPENSERS



The range includes stainless steel and non-metallic options for:

- Gloves
- Multi-purpose
- Paper towel
- Centre pull roll

## HAND DRYERS



Take your ISOwash cleanroom handwash sink to the next level with an elite hand dryer solution. Choose from a range of options, including Dyson dryers as well as more cost-effective options.

## EXTINGUISHERS



Safety is paramount in any controlled environment. Give your team peace of mind with a corrosion-resistant stainless steel fire extinguisher set with double stand.

## TRAYS



Furnish your ISOmove Max trolley with a set of high-quality stainless steel trays. Available in standard sizes to fit the trolley groves.

# CLEANROOM EQUIPMENT



**Guardware**  
cleanroom hardware

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**G**uardware's cleanroom trolley hatches are engineered to provide safe, reliable and hygienic material transfer in controlled environments.

Designed for use across a wide range of applications, each hatch combines robust construction with cleanroom-compatible finishes to ensure long-lasting performance and compliance.

To meet the varying demands of different cleanroom environments, hatches are available in stainless steel 316 for maximum corrosion resistance in stringent settings, stainless steel 304 for durable and versatile performance in general cleanroom use, polypropylene for lightweight, chemically resistant, non-metallic applications and a cost-effective mild steel. Every Guardware hatch is designed with ease of cleaning, durability and compliance in mind. With smooth surfaces, robust mechanisms and a choice of sizes and specifications, Guardware trolley hatches offer the flexibility to support any cleanroom operation, from the most demanding high-spec environments to everyday practical use.

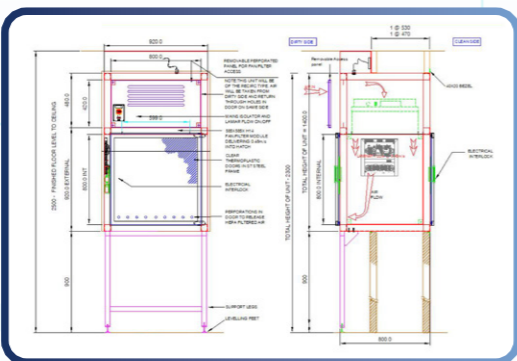
**ISO hatch**



# ACTIVE STAINLESS TROLLEY HATCH

ISOhatch Max is a high-performance cleanroom trolley hatch, crafted from stainless steel grade 316 or 304, designed for the secure and streamlined transfer of trolleys and large equipment in controlled environments.

Engineered to minimise risks of contamination, pressure fluctuations or unwanted movement between classification zones, ISOhatch Max includes a roof-mounted HEPA Fan Filter Unit (FFU) that generates unidirectional airflow, actively clearing particulates and contaminants during transfer— perfect for transitions between cleanroom environments or sterile and non-sterile areas.



## PRODUCT FEATURES

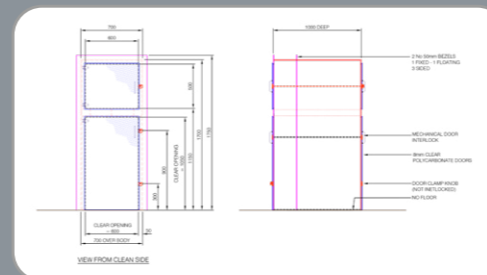
- Active cleanroom trolley hatch
- Fan Filter Unit mounted in roof panel providing HEPA-filtered air
- High quality stainless steel grade 316 or 304 options
- The elite trolley hatch in the range



# POLYPROPYLENE TROLLEY HATCH

Engineered for high-performance material transfer in cleanroom environments, ISOhatch Plus polypropylene trolley hatches offer a robust and chemically resistant solution for maintaining contamination control between classified spaces. Designed with flexibility and functionality in mind, ISOhatch Plus supports a wide range of cleanroom applications across

Pharmaceutical, Biotech and high-care manufacturing facilities. Crafted from high-grade polypropylene, this hatch is ideal for environments requiring strong chemical resistance and durability. Smooth, non-porous surfaces ensure easy cleaning and compliance with stringent hygiene standards.



## PRODUCT FEATURES

- Polypropylene trolley hatch
- Cost-effective alternative to stainless steel
- Easy to clean
- Strong chemical resistance
- Ideal for non-metallic applications



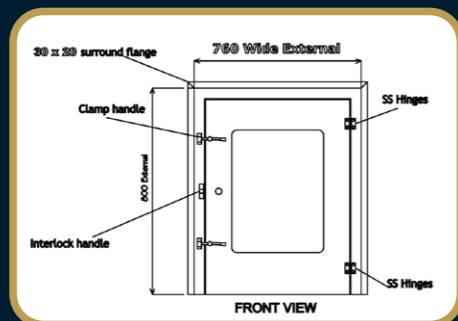
## PRODUCT FEATURES

- Passive cleanroom trolley hatch
- High-quality grade 316 or 304 stainless steel construction
- Easy to clean surfaces
- Toughened glass
- Bespoke sizes and configurations available

# PASSIVE STAINLESS TROLLEY HATCH

Engineered to meet the rigorous standards of high-grade cleanrooms, ISOhatch Pro passive trolley hatch is the premium pass-through solution for transferring large items and trolleys between controlled areas without compromising cleanliness, safety or compliance.

ISOhatch Pro is a passive hatch solution – meaning it relies entirely on the static environment and room pressure differentials, unlike the active ISOhatch Max model which includes a HEPA filtered Fan Filter Unit.



# ISO

hatch<sup>LITE</sup>

ISOhatch Lite powder-coated mild steel trolley hatches are manufactured to allow the transfer of specific size trolleys or containers between rooms with the minimum of disruption to the integrity of the spaces by minimising the risk of airborne cross-contamination. This hatch is floor mounted, with two framed doors, each glazed in either, 6.4mm thick clear laminated glass, or, 6mm thick clear toughened safety glass, which open on surface mounted steel cast hinges. ISOhatch Lite hatches are deliberately not sealed in order to allow a small volume of air from the clean side (which is normally at a higher pressure) to continuously flush the interior of the hatch. The doors are interfaced with a mechanical interlock.

# MILD STEEL TROLLEY HATCH



EXTERNAL DIMENSIONS		
A	B	C
1160	1580	840
INTERNAL DIMENSIONS		
1000	1500	800

## PRODUCT FEATURES

- Powder-coated mild steel design
- Cost-effective solution
- Antimicrobial powder coating
- Durable and long lasting material
- For less demanding applications





### Standard Product Options

Grade 316 or 304 stainless steel	UV lights
Fire-rated hatch	Electro-mechanical interlock
Internal support shelves - glass or stainless-steel	Powder coated finish
Conveyor systems to client specification	Sliding door mechanism

### Features & benefits

- HEPA-Filtered Fan Filter Unit (FFU) – integrated HEPA filtration (typically ≥99.99% @ 0.3µm) actively purges the hatch chamber with clean air during operation, significantly reducing the risk of particle transfer
- Grade 316 or 304 stainless steel construction – corrosion-resistant and ideal for cleanroom environments, ensuring durability and longevity even in harsh or sterile settings
- Custom floor-standing design – tailored to your exact specifications, including size and configuration, to seamlessly integrate with your layout
- Double-skin fabrication – provides a smooth, crevice-free surface for enhanced hygiene and effortless cleaning, helping meet strict GMP and ISO standards



### Standard Product Options

Grade 316 or 304 stainless steel	Adjustable feet support
Fire-rated hatch	Electro-mechanical interlock
Internal Support Shelves - Glass or Stainless-Steel	Powder-coated finish
Conveyor systems to client specification	Base-less option to sit directly on floor

### Features & benefits

- Floor-mounted design – can be either with or without base, allowing seamless transfer of trolleys or containers directly from cleanroom floors
- Custom-made to your specification – tailored dimensions and options ensure a perfect fit and optimal workflow for your facility
- Double-skin stainless steel fabrication – provides structural integrity and smooth surfaces for easy cleaning and hygiene maintenance
- Electro-mechanical or mechanical interlock system – prevents both doors from being opened simultaneously, reducing the risk of cross-contamination
- Blue halo-style push button interface – clear visual indicator and activation for unlocking door access (electro-mechanical version)



**E**fficient workflow and strict contamination control are essential to every cleanroom.

Guardware's range of pass-through hatches is designed to simplify the safe transfer of materials between controlled spaces while preserving environmental integrity. By reducing unnecessary personnel movement, these hatches help maintain compliance, improve efficiency and protect sensitive processes.

The collection includes high-performance stainless steel HEPA-filtered active hatches for applications where ultra-clean transfer is critical, alongside passive hatches that rely on pressure differentials and hygienic design to provide secure operation without powered systems. For facilities with more modest requirements, Guardware also offer more straightforward and cost-effective Sealwise and polypropylene options that delivers reliable functionality without compromise on build quality.



### Standard Product Options

Fan Filter Unit for active hatches
Double or triple stack hatch
Mechanical or electro-magnetic interlocks

### Features & benefits

- Material: high-grade white polypropylene (pp)
- Door interlock: mechanical or electro-mechanical
- Door types: vertically or horizontally hinged, sliding, or automatic doors
- Configurations: wall-mounted or floor-mounted
- Design: available in both standard sizes and bespoke designs
- Excellent chemical resistance: highly resistant to acids, bases, and solvents – ideal for corrosive environments such as pharmaceutical compounding or chemical labs
- Cost-effective: more economical than stainless steel, especially for non-sterile or medium-class cleanroom zones
- Non-conductive surface: pp is naturally non-conductive, reducing the risk of static build-up in certain applications
- Smooth, easy-to-clean surface



### Standard Product Options

Fan Filter Unit for active hatches
Double or triple stack hatch
Mechanical or Electromagnetic interlocks
Trolley bump strip & ramp option

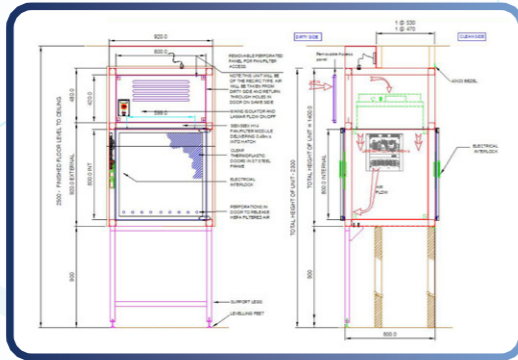
### Features & benefits

- Mild steel base with high-quality antimicrobial powder coating
- Surface finish: smooth, hard, and corrosion-resistant coating (available in white or custom ral colours)
- Door interlock: available with mechanical or electro-mechanical interlocks
- Door configurations: vertically or horizontally hinged, sliding or automatic
- Mounting options: floor-mounted – additional trolley bump strip and ramp available
- Powder coating adds a hard, chip-resistant finish that protects the underlying mild steel from wear, impact and abrasion
- While not as inherently corrosion-resistant as stainless steel, the powder-coated finish offers good protection against moisture and chemicals, making it suitable for many cleanroom applications



# ACTIVE STAINLESS PASS-THROUGH

ISOpass Max is a top-tier active cleanroom pass-through hatch, constructed from stainless steel grade 316 or 304, designed for the safe and efficient transfer of equipment and essential items within controlled environments. Created to minimise the risk of movement, microbial contamination, or pressure drops between classified zones, ISOpass Max includes a HEPA fan filter unit (FFU) integrated into the roof panel. This system generates unidirectional airflow inside the chamber, actively extracting particulates and contaminants from transferred items. Ideal for transitions between sterile and non-sterile or cleanroom-to-cleanroom spaces.



## PRODUCT FEATURES

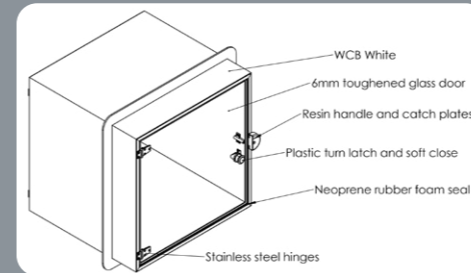
- Active cleanroom transfer hatch
- Fan Filter Unit mounted in roof panel providing HEPA-filtered air
- High quality stainless steel grade 316 or 304 options
- Guardware's elite pass-through option



# SEALWISE PASS-THROUGH HATCH

ISOpass Plus is a robust and reliable cleanroom pass-through hatch constructed from Sealwise Waterproof Construction Board (WCB), offering superior hygienic, moisture-resistant performance. Engineered for cleanroom environments where sterility, hygiene and moisture resistance are non-negotiable, ISOpass Plus redefines material transfer.

Manufactured from Sealwise WCB, this innovative pass-through hatch delivers exceptional durability, chemical resistance and anti-microbial performance – making it the ideal solution for a diverse range of controlled environment process and production areas.



## PRODUCT FEATURES

- Sealwise WCB pass-through hatch
- More cost-effective than stainless steel
- Moisture-resistant, robust material
- Elite aesthetic enhances facilities
- Eco-friendly material choice

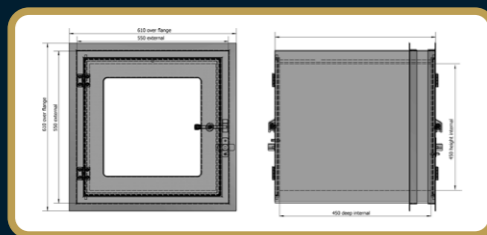


## PRODUCT FEATURES

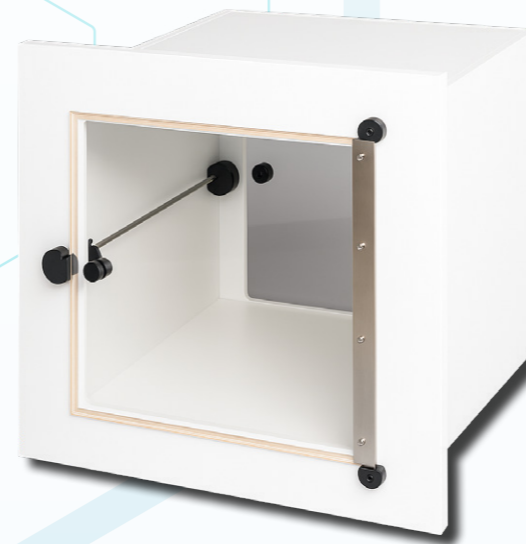
- Grade 316 or 304 stainless steel passive pass-through hatch
- More cost-effective than ISOpass Max
- High-quality construction
- Robust material
- Bespoke sizing options available

# PASSIVE STAINLESS PASS-THROUGH

ISOpass Pro is a series of precision-engineered passive stainless steel pass-through hatches design to preserve cleanroom integrity. Designed for critical environments, ISOpass Pro offers secure and contamination-controlled material transfer between cleanrooms and adjacent areas at different classifications. Engineered from either premium 304 or 316 grade stainless steel, this robust pass-through hatch combines hygiene safety, and fire resistance in one streamlined system.



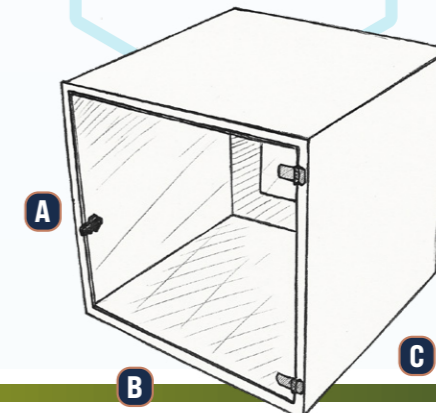
# ISOPASS<sup>LITE</sup>



# POLYPROPYLENE PASS-THROUGH

ISOpass Lite is a high-performance polypropylene pass-through hatch for cleanroom applications. Designed to streamline cleanroom workflows while protecting critical environments, ISOpass Lite offers a lightweight, cost-effective and hygienic solution for transferring materials between zones with differing pressure levels. Built from durable polypropylene and equipped with advanced features, ISOpass Lite ensures safety, sterility, and seamless integration into controlled spaces. ISOpass Lite is resistant to a wide range of chemicals and cleaning agents, with excellent structural integrity and low particulate shedding.

A	B	C
450	450	450
600	600	600
900	900	900



## PRODUCT FEATURES

- Polypropylene pass-through hatch
- Cost-effective transfer solution
- Durable material
- Resistant to wide range of chemicals and cleaning agents
- Ideal for non-metallic applications





### Standard Product Options

Grade 316 or 304 stainless steel	UV lights
Fire-rated hatch	Electro-mechanical interlock
High containment barrier hatch	Powder-coated finish
Ventilated air supply/extract	Stainless steel support frame
Internal support shelves – glass or stainless-steel	Double stack hatches option

### Features & benefits

- 304 or 316 grade stainless steel construction – highly durable, corrosion-resistant material
- Wall-mounted design – fixed securely into the cleanroom wall to allow hands-free material transfer between rooms while minimising floor space usage
- HEPA-filtered fan filter unit (FFU) – integrated HEPA filtration system actively purges the internal chamber with clean air, removing airborne particles before or during transfer



### Standard Product Options

Grade 316 or 304 stainless steel
Fire-rated hatch
Electro-mechanical interlock
Powder coated finish
Stainless steel support frame
Internal support shelves – Glass or stainless-steel
Double stack hatches option

### Features & benefits

- 304 or 316 stainless steel construction – double-skinned body with polished finish for durability and easy cleaning
- Glazed stainless steel doors – options include 6.4mm laminated glass, 6mm toughened glass, or 1-hour fire-rated Schott Pyran S borosilicate glass
- Mechanical door interlock system as standard – prevents both doors from opening simultaneously, ensuring contamination control
- Edge or full perimeter rubber seals – epdm compression seal fitted to one edge as standard; full sealing option available



**G**uardware's range of cleanroom fume hoods has been developed to deliver the highest levels of safety, performance and compliance for laboratories and controlled environments.

Available in both ducted and ductless configurations, these hoods provide reliable operator protection while ensuring a clean, contained working area. The ducted fume hoods offer robust extraction performance, directing hazardous vapours and particulates safely out of the cleanroom via external ventilation systems. This makes them ideal for processes that generate high concentrations of fumes or require continuous removal of airborne contaminants. For facilities seeking greater flexibility, ductless fume hoods use advanced filtration technology to capture and neutralise harmful vapours before recirculating clean air back into the workspace. These self-contained systems are easy to install, energy-efficient and adaptable to changing laboratory requirements.



### Standard Product Options

Single or double stacked options
Support stand option
Electro-mechanical interlock option
Internal shelving

### Features & benefits

- Exceptional hygiene performance – non-porous, seamless surface resists bacterial growth and biofilm formation, ideal for sterile environments
- Waterproof & moisture resistant – completely resistant to moisture, making it perfect for wet-cleaned cleanrooms and high-humidity zones
- Chemically resistant – withstands aggressive disinfectants, alcohols, and cleaning agents without degradation
- Antimicrobial surface protection – built-in Silver-ION anti-microbial additives inhibit microbial activity on contact for added biosecurity
- Durable yet lightweight – high structural strength



### Standard Product Options

Single or double stacked options
Support stand option
Electro-mechanical interlock option
Internal shelving
UV Sterilization
VHP compatibility
Inflatable Door Seals
Inflatable Door Seals
Active HEPA-filtered FFU ventilation option

### Features & benefits

- Polypropylene construction – durable, lightweight, and highly resistant to a wide range of chemicals and disinfectants
- Mechanical or electrical interlock system – prevents both doors from opening simultaneously to preserve pressure differential and prevent contamination
- Fully welded interior with radius corners – seamless, crevice-free internal surfaces make cleaning and decontamination easy and effective



## DUCTED FUME HOOD WITH BMS SYNERGY



ISOfume Max – the ultimate solution for modern laboratory safety and efficiency. Engineered for the most demanding cleanroom laboratory environments, ISOfume Max ducted fume hoods sets a new benchmark in fume hood technology. Combining cutting-edge design with unmatched safety features, this state-of-the-art fume hood offers outstanding performance, energy efficiency, and intuitive usability.

ISOfume Max ensures optimal containment and protection with its dynamic airflow system, minimising turbulence and ensuring consistent operator safety. The product is engineered for low energy consumption without compromising safety, reducing operational costs while supporting sustainability goals.

Its intuitive touch-screen control panel offers real-time monitoring and adjustments, making operation simple, precise and user-friendly.

### PRODUCT FEATURES

- Exceptional containment
- Elite-level construction
- Ducted fume hood
- Designed for BMS compatibility
- Superior user functionality



## ENERGY EFFICIENT DUCTED HOOD

The ISOfume Plus ducted fume hood is a high performance, low flow fume hood engineered for safety, performance and energy efficiency, all combined in one multi-featured product.

Its ability to operate at a reduced face velocity of 60 fpm (0.3 m/s) allows for an exhaust volume reductions of up to 58% as compared to a conventional fume hood. This directly translates to more savings for your application. Designed with precisely tuned aerodynamics, outstanding user safety, design flexibility, energy-efficiency and aesthetics, this conventional laboratory fume hood marries efficiency with safety.

Each fume hood comes standard with a Water Enhanz and Gas Enhanz remote controlled fixture plumbed to the top and four single electrical outlets with splash proof covers.



### PRODUCT FEATURES

- High-quality ducted fume hood
- Energy-efficient
- Triple layer wall construction
- High sight line for enhanced visibility
- Quality unit aesthetics



### PRODUCT FEATURES

- High efficiency ductless fume hood
- Real-time airflow monitoring
- User-friendly configuration
- Compact fume hood design
- High-quality construction

## ELITE DUCTLESS FUME HOOD

The ISOfume Pro is a next-generation ductless fume hood designed to deliver exceptional chemical containment in a compact, user-friendly format.

Engineered with a multi-layered carbon filtration system and backed by real-time airflow monitoring, the E Series ensures safety, efficiency, and compliance in fast-paced, high-precision lab environments. Smart, sustainable, and scalable, it's the ideal solution for laboratories where mobility, control, and clean air are critical.

Designed with user experience and operational continuity in mind, ISOfume Pro offers intuitive filter access, silent operation, and continuous status monitoring.

Whether deployed in a Pharmaceutical, R&D or Higher Education setting, it delivers a clean performance – backed by a legacy of precision engineering.



## ISOfume<sup>LITE</sup>



## BUDGET DUCTED & DUCTLESS HOODS

The ISOfume Lite is a high specification ductless (recirculating) fume cupboard with laminated glass sides, incorporating replaceable activated carbon and/or HEPA filters to suit your application.

High-quality construction features extruded aluminium aerofoils, a stainless steel sill and a counter-weighted smooth action laminated glass sash. An integrated variable air volume (VAV) system ensures the required inward air flow for operator protection remains constant at all working sash heights. The fume cupboard incorporates a low air flow alarm for complete safety. ISOfume Lite ductless fume hoods are also exceptionally energy efficient, since they do not expel heated indoor air to the outside.



### PRODUCT FEATURES

- Cost-effective fume hood
- Ductless and ducted options
- Stainless steel & polypropylene choices available
- Low cost yet high performance
- Range of sizes





### Standard Product Options

- Integrated safety cabinet
- Tilting front sash

### Features & benefits

- Exceptional containment and expulsion capacity of harmful vapours
- Certified at 0.3 / 0.5 / 0.7 m/s (UNI EN 14175; UNI/TS 11710)
- Energy savings with utmost safety compliance
- Manufactured with high-quality materials to ensure long-lasting performance and durability over time
- Equipped with CAV and VAV control systems and INDUSTRY 4.0 ready
- Aspirators with brushless EC motors
- User-friendly touchscreen with integrated web server
- Status lights for operator safety
- Adjustable LED light



### Standard Product Options

- Stainless steel, phenolic resin or epoxy resin worktop
- Faucet and drip cup
- Support stand
- Castor wheels
- Filters – standard, acid, mercury, sulphur, halogen, aldehyde, ammonia, chloroform
- European style service fixture
- American style service fixture
- Copper piping for service fixture
- Solenoid valve fitting

### Features & benefits

- Carbon filtration system: high-efficiency filter captures hazardous chemical fumes at source – clean air is safely recirculated into the workspace
- Real-time airflow monitoring: the microprocessor provides continuous status updates, alarms and performance logging
- Energy efficient: recirculating design eliminates ductwork, minimises HVAC load, and reduces energy consumption



**G**uardware's range of laminar flow units is engineered to deliver uncompromising contamination control in critical cleanroom environments.

By generating a continuous stream of HEPA or ULPA-filtered air across the work area, these units provide a unidirectional airflow that creates an ultra-clean, particle-free workspace for sensitive products, samples and processes. Manufactured from high-grade stainless steel, Guardware units combine hygienic, easy-to-clean surfaces with robust construction for long-term durability. Advanced airflow technology, quiet operation and ergonomic design ensure operator comfort without compromising performance.

The range includes both horizontal and vertical flow units, allowing each system to be tailored to specific cleanroom requirements.



### Standard Product Options

- Vertical or Combination sash
- Service Fixture: water, hot water, DI water, hydrogen, gas, vacuum, nitrogen, oxygen, compressed air, CO2, argon
- Support Stand with Levelling Feet
- Distillation Grid
- Exhaust Blower
- Electrical outlets

### Features & benefits

- Tri-wall construction: triple layer for maximum robustness and durability
- High sight line: high sight line of 857 mm (33.7") For enhanced visibility
- Sash angled front: 5° slope minimizes glares and reflections. Allows users to work further into the hood without strain
- Hot zone baffles: the unique hot zone baffle design draws most contaminants back in single pass displacement of the air. Thermal heat relief is quickly achieved



### Standard Product Options

- |   |                             |
|---|-----------------------------|
| Ducted option available                     | Electrical Sockets          |
| Polypropylene and walk-in options available | Filter Saturation Alarm     |
| Stainless Steel Spillage Tray               | Trolley/Stand               |
| Remote Gas/Vacuum/Air Services              | Vented Storage Cupboards    |
| Remote Water Services                       | 14 Different Filter Options |
| Drip Cup or Sink                            | Bespoke Units               |

### Features & benefits

- Variable Air Volume (vav) system
- Energy efficient and environmentally friendly
- No ducting required
- Low airflow alarm
- Carbon/hepa filter technology
- Epoxy coated mild steel construction
- Safety glass side panels
- Counterweighted front sliding glass sash
- Integral lighting
- Low fan noise



## DC ECM LAMINAR FLOW UNIT



ISOflow Max is Guardware's elite laminar flow unit. While others rely on traditional PSC motors, the ISOflow Max Vertical Laminar Flow Cabinet is the only vertical-type clean bench in the market that uses Direct Current Electronically Commutated Motor (DC ECM) technology. Reducing energy costs by up to 70%, these clean benches are the greenest ones yet.

The secret to achieving energy savings through ECM technology lies in its high electrical efficiency and ability to run precisely on programmed speeds.

Enjoy low heat and noise emission from a laminar air flow cabinet that is a product of robust engineering combined with strategic ergonomic design.

It provides long-term reliability and ultimate user comfort, making it ideal for non-hazardous applications that need a sterile environment.

### PRODUCT FEATURES

- ULPA filtration
- DC ECM blower
- Low noise levels
- Stainless steel worktop
- Antimicrobial unit coating
- Ergonomic design



## COST-EFFECTIVE LAMINAR FLOW

ISOflow Plus vertical laminar flow cabinets are designed according to the most stringent quality standards to provide unrivalled protection to your products and reduce release of allergens and irritant substances into the environment. ISOflow Plus is a cost-effective yet high performance vertical laminar flow unit.

The internal design, the air flow aerodynamics and monitoring, the built-in safety devices and the very accurate manufacturing, guarantees the highest performances at the most stringent safety levels.

High level intrinsic biological cleanliness, combined with impressively competitive prices, gives the end user a state-of-the-art cabinet accessible to every budget, that only experienced European design and accurate quality manufacturing, can provide.



### PRODUCT FEATURES

- Electrically operated front glass
- Tight seal closure system
- Advanced dual HEPA filter tech
- Unique Class II-like airflow system
- High quality at a competitive pricing



### PRODUCT FEATURES

- ULPA-filtered ISO Class 3 air quality
- Robust unit construction
- Quiet, vibration free operation
- Self-compensating, stable airflow
- Ebm-papst centrifugal fan motor

## ULTRA COMFORT LAMINAR FLOW

Precision airflow. Ultimate product protection. The ISOflow Pro vertical laminar flow cabinet is expertly engineered to provide a clean, particle-free working environment for sensitive processes and materials. With a sleek, compact design and top-tier filtration performance, ISOflow Pro delivers dependable protection for non-hazardous operations – ideal for laboratories, pharmaceutical compounding, electronics assembly and more.

ISOflow Pro units direct ULPA-filtered air downward in a uniform, vertical flow, creating an ISO Class 3 workspace that protects your work from airborne contamination.

The user-friendly operation features a simple control interface with clear visual indicators and easy-to-maintain components for hassle-free use.



## ISOflow LITE

When space matters, this compact benchtop laminar flow cabinets provide all you need to keep your products clean and protected without taking away your lab space.

The ISOflow Lite is Guardware's most cost-effective laminar flow solution, offering maximum protection for the product and comfort for the operator.

Featuring high-performance H14 HEPA filters with diffusing membrane to ensure maximum flow uniformity, ISOflow Lite offers extreme cleanliness (ISO Class 3), with a robust stainless steel worktop and optional UV

## COMPACT LAMINAR FLOW UNIT



lamp to decontaminate the work surface, ensuring your process remains clean and compliant. For a top-

quality, size-conscious and cost-effective solution, choose the ISOflow Lite laminar flow unit.

### PRODUCT FEATURES

- Convenient compact size
- Cost-effective alternative to ISOflow Plus
- ISO3 Cleanliness
- 5mm thick glass front & side panels
- Dual airflow configuration





### Standard Product Options

Fixed or manual sliding sash window	Support stand with castor wheels
Glass side walls	Support stand with levelling feet
UV lamp	Pre-filter
Polycarbonate front cover	Stainless steel side walls
Telescoping stand with castor wheels	Telescoping stand with levelling feet

### Features & benefits

- ULPA filtration: Provides ISO Class 3 clean air for a sterile environment
- Low noise operation: Runs quietly at 52.4 dBA for a comfortable workspace
- Glass side walls: Enhance visibility while maintaining a sterile environment
- Sliding sash design: Easy access and ergonomic comfort for users
- Available sizes: 3ft, 4ft, 5ft and 6ft to suit your space needs



### Standard Product Options

Copper piping for service fixture
UV lamp
Support stand with castor wheels
Support stand with levelling feet

### Features & benefits

- Sliding Sash with Ergonomic Handle
- ULPA Filter (ISO Class 3 Work zone)
- Sentinel Silver Microprocessor Control System
- German-made ebm-paps Centrifugal Motor
- Isocide Antimicrobial Powder Coating
- Stable and Self-compensating Airflow
- Additional disposable pre-filter
- Available sizes: 4ft and 6ft
- One-piece stainless steel work surface



### Standard Product Options

UV Lamps
Adjustable Stand
DOP Sampling Port
Combustible gas tap with solenoid valve or inert gas tap
Additional sockets
Passive transition adapter for external ducting
Active extraction kit for ducting with remote motorblower

### Features & benefits

- State of the art microprocessor control system
- Large LCD Graphical display
- Sliding front sash, electrically operated by finger touch
- Alarms for low air flow and wrong front window position
- Sloped front and back wall for the most comfortable access
- Front access for filter maintenance & service



### Standard Product Options

Service Socket
Cover with UV lamp

### Features & benefits

- Centrifugal Motorblower with digital inverter for optimal performance
- Elapsed time-meter
- Exhaust filter
- Removable perforated work surface and back wall of the work chamber made of AISI 304 stainless steel
- Cabinet outer surfaces made of cold rolled steel with paint finish
- Front and side panels in 5mm thick tempered glass
- H14 class HEPA (EN1822-1)
- Exhaust filter (or pre-filter) type Filtrete with a gravimetric efficiency higher than 99% on 3 µm particles
- Optional cover with UV light (includes safety switch to turn off UV if cover is removed from the cabinet)



**G**uardware's range of biological safety cabinets (BSCs) is designed to provide maximum protection for operators, products and the cleanroom environment.

By combining advanced airflow technology with high-efficiency filtration, these cabinets create a secure barrier against biohazards and contamination, supporting the highest standards of safety and compliance. Each Guardware cabinet is equipped with HEPA or ULPA filtration systems that remove airborne contaminants with exceptional efficiency, ensuring both operator protection and product integrity.

Intelligent airflow control delivers stable, unidirectional protection while maintaining energy efficiency and low-noise operation. Robust construction from stainless steel and cleanroom-compatible materials ensures durability, easy cleaning and long service life. Designed with user comfort in mind, Guardware biological safety cabinets feature ergonomic viewing angles, intuitive controls and smooth, easy-to-clean work surfaces.



## ERGONOMIC BIOSAFETY CABINET



ISObio Max is Guardware's elite biological safety cabinet option. Setting a new benchmark for safety, innovation, and sustainability in today's demanding laboratory environments, this next-generation cabinet offers enhanced user protection, product protection and environmental safety.

The cabinet's ergonomic work zone is comprised of bright illumination using industry-leading dimmable LED lamp combined with raised, durable, stainless-steel armrest and autoclavable, devised for optimum work comfort.

Ideal for Microbiology, Tissue Culture, Pharmaceutical and Biomedical Research applications that require Class II containment and aseptic conditions, ISObio Max Meets and exceeds international safety standards (EN 12469, NSF/ANSI 49), providing optimal protection for both the user and sensitive samples.

### PRODUCT FEATURES

- Energy efficient biosafety cabinet
- Whisper-quiet operation
- Ergonomic design
- Easy maintenance
- G4 Technology for data logging
- Quality aesthetic



## DC MOTOR BIOSAFETY CABINET

ISObio Plus microbiological safety cabinets provide Class II Type A2 protection with a strong focus on user comfort. Engineered in Italy, ISObio Plus combines a superior low noise level with practical ergonomics, allowing the user to work in a safe and more comfortable cleanroom or laboratory environment.

The ISObio Plus' new soft plenum compensates blower vibrations and provides a more stable and uniform airflow. The unit's intelligent design of airflows allows for the manufacturer's lowest ever level of noise, providing you with a comfortable working environment to focus on your vital work.

For a complete BSC package at a highly competitive price point, Guardware's ISObio Plus ticks all the right boxes.



### PRODUCT FEATURES

- Low energy DC motor
- Silent operation via textile plenum
- Ergonomic design
- Lower power Eco Mode during periods of inactivity
- Quality Italian construction



### PRODUCT FEATURES

- ISO Class 3 air cleanliness
- Dynamic airflow technology
- Energy efficient EC motors
- Sustainable construction
- Quality aesthetic



## EC MOTOR BIOSAFETY CABINET

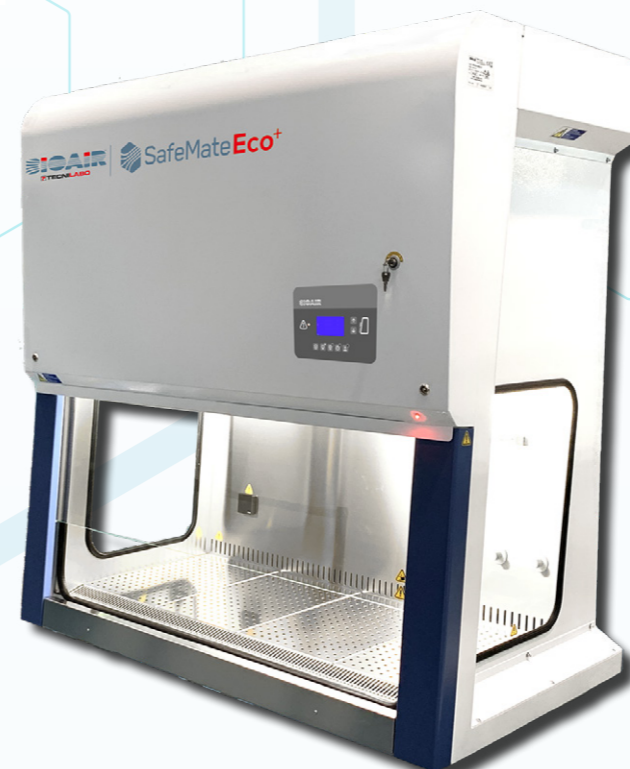
Next-generation protection. Intelligent design. Reliable Performance. Engineered for today's most demanding laboratory environments, the Guardware ISObio Pro Class II Type A2 Biological Safety Cabinet delivers advanced personnel, product, and environmental protection.

Leveraging cutting-edge airflow dynamics and intelligent monitoring systems, the G4 Series represents the pinnacle of biosafety innovation.

ISObio Pro maintains superior cleanliness within the work zone with 70% recirculated and 30% exhaust ULPA-filtered air, ensuring consistent containment with real-time airflow monitoring and rapid response compensation. Ideal for Microbiological Research, Clinical and Diagnostic labs and Pharmaceutical quality control as well Biosafety Level 1, 2, and 3 environments.



## ISObio LITE



## ECO-FRIENDLY BIOSAFETY CABINET

Experience the perfect blend of safety, performance and eco-conscious design with the ISObio Lite Microbiological Safety Cabinet. Engineered for excellence, ISObio Plus ensures the highest standards of operator, product and environmental protection in cleanrooms and laboratories handling sensitive biological materials.

ISObio Lite provides triple protection – for user, product and environment. Its equipped with low-consumption DC motors and LED lighting, reducing energy use without compromising performance.

Featuring dynamic airflow and HEPA filtration (99.995% efficiency at 0.3 μm) for optimal containment and contamination control, ISObio Lite also boasts easy front-access for filters and internal components, ensuring fast, safe and cost-effective serviceability.

### PRODUCT FEATURES

- Low-energy DC motor blowers
- Large high-res digital display
- Intuitive alarm systems
- Front access for maintenance
- Cost-effective BSC option





### Standard Product Options

UV Lamps	Exhaust Collars
IV Bars	Exhaust Accessories
Support Stands	VHP Ports
Castors	Pre-Filters
Service Fixtures – gas, vacuum, air, nitrogen, water, universal	Arm Rest Padding, Foot Rest, IQ/OQ Protocol

### Features & benefits

- 200 mm (8”) sash opening
- Dimmable LED lighting system
- Centurion touchscreen controller
- Tilt-able sash for easy glass cleaning
- Standby height that activates standby mode sustaining ISO Class 3 work zone as the fan runs at half speed
- USB port to relay operational parameters to Building Management System
- Remote Modbus
- Optional 21 CFR Compliance
- E-Series: Multi-piece work tray, glass sidewalls



### Standard Product Options

UV Lamps	Exhaust Collars
IV Bars	Exhaust Accessories
Support Stands	VHP Ports
Castors	Arm Rest Padding, Foot Rest
Service Fixtures – gas, vacuum, air, nitrogen, water, universal	IQ/OQ Protocol

### Features & benefits

- Dimmable LED lighting system
- Centurion touchscreen controller
- Standby height that activates standby mode sustaining ISO Class 3 work zone as the fan runs at half speed
- USB port to relay operational parameters to Building Management System (BMS) Remote Modbus
- Default cable port
- Optional 21 CFR Compliance



### Standard Product Options

Levelling feet or castors
Vacuum and gas taps
Electrical sockets
DOP sampling port
UV lamp on back wall

### Features & benefits

- Low energy consumption DC motor blower
- State of the art microprocessor control system.
- Large digital display, high resolution
- Air and aerosol-tight sliding sash, electrically operated by finger touch
- Alarms for low air flow and wrong front window position
- Sloped front and back wall for the most comfortable access
- Lateral windows
- Front access for filter maintenance and service

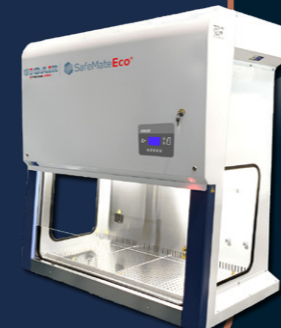


### Standard Product Options

UV Lamps
Adjustable Stand
Combustible gas terminal
Additional sockets
RS232 data transmission kit
Passive transition adapter for external ducting
Extraction kit for ducting with remote motorblower

### Features & benefits

- Low energy consumption DC motor blower
- State of the art microprocessor control system.
- Large digital display, high resolution
- Air and aerosol-tight sliding sash, electrically operated by finger touch
- Alarms for low air flow and wrong front window position
- Sloped front and back wall for the most comfortable access



**G**uardware particle counters provide accurate, reliable monitoring of airborne contamination for cleanrooms, laboratories and controlled environments.

Using advanced laser-diode technology, they detect particles as small as 0.3 µm with multi-channel monitoring and high data accuracy to meet ISO 21501-4 standards. The range includes handheld models for spot checks, benchtop units for fixed workstations and remote counters for continuous facility-wide monitoring. All units feature robust construction, intuitive controls and versatile connectivity options, including Ethernet, USB and wireless integration, making them easy to use and simple to connect to BMS systems.

With large data storage capacity, built-in alarms, and options for environmental parameters like temperature and humidity, Guardware counters deliver dependable performance for critical applications. Guardware particle counters – compact, connected and precise solutions for complete contamination control.



# ELITE REMOTE PARTICLE COUNTER

The ISOcount Max Remote Particle Counter is the most feature-advanced remote airborne particle counter available. Integration is easy into a building automation and cleanroom management system via Ethernet, or (optional) Wireless 802.11 b/g, RS485 or RS232.

The particle counter's display and report 6 user-selectable particle size channels, as well as temperature and relative humidity, flow and sensor status, date of last calibration, serial number, laser on-time and date of manufacture for easy maintenance and warranty management.

This remote particle counter stores up to 45,000 time stamped particle count and environmental data records which provides data redundancy on every instrument. ISOcount Max counters can be controlled and monitored remotely via web browsers for ultra-convenient remote operation.



## PRODUCT FEATURES

- Six particle size channels
- Built-in vacuum pump
- Ultra precise readings
- Lightweight unit design
- Elite monitoring technology



# HANDHELD PARTICLE COUNTER

The ISOcount Plus is a compact, high-performance handheld airborne particle counter. Measuring particles from 0.3 to 25.0 µm across 6 user-selectable channels, it offers precise, real-time data with a flow rate of 0.1 CFM (2.83 LPM).

Its intuitive touchscreen interface, long battery life, and versatile connectivity options make it an essential tool for maintaining compliance and ensuring environmental quality for your cleanroom.

Easy to configure, this instrument also features optional temperature and relative humidity. View data on screen or via printer, real time through its versatile output options, or export to Instrument Management Software (IMS). ISOcount Plus counters can be controlled and monitored remotely via web browser.



## PRODUCT FEATURES

- Long battery life
- Easy operation
- Intuitive interface
- Multiple output options available
- Robust design
- Ideal option if continuous monitoring isn't required



## PRODUCT FEATURES

- Compact, fixed particle counter
- Accurate air sampling
- Superior counting efficiency and BMS compatibility
- Durable & reliable
- Lightweight unit design



# SUPERIOR FIXED PARTICLE COUNTER

The ISOcount Pro airborne particle counter provides a range of particle size measurement from 0.3 to 25.0 µm at a flow rate of 0.1 CFM (2.83 LPM). These sensors allow for efficient counting with specifications that exceed the ISO 21501-4 and JIS B9921 calibration standards.

These sensors have 6 user-selectable particle size channels (up to 30 channels optional) and are equipped with an internal pump and manifold and do not require an external vacuum source. Integration into a building automation or facility monitoring system is easy via isolated RS-485 Modbus communication, TCP/IP over RJ45, Power over Ethernet, or WiFi (802.11 b/g).

The device is housed in a lightweight stainless steel enclosure, making it both durable and easy to clean. With the capability to store up to 65,000 sample records and optional temperature and relative humidity probes, the ISO Air Pro R9301P is a reliable solution for maintaining stringent air quality standards.



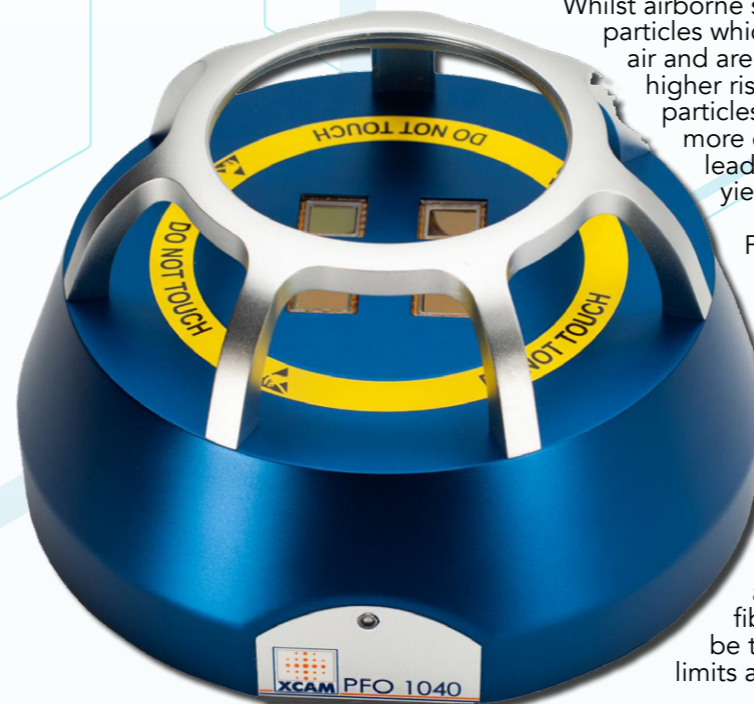
# ISOcount LITE

# PARTICLE FALL-OUT MONITORING TECH

ISOcount Lite provides real-time monitoring of particle fall-out/deposition for cleanrooms. Whilst airborne sensing is ideal for small particles which remain suspended in the air and are removed by filtration, the higher risk to operations can be from particles larger than 5 µm, which are more quickly deposited on surfaces leading to contamination and yield losses.

Featuring Direct Particle Detection (DPD) technology, ISOcount Lite uses high performance silicon sensing to directly monitor particles settling on the surface of the sensor.

Advanced recognition algorithms detect particle size and profile providing particle count by size, percent area covered and a differentiation between fibres and particles. Alarms can be triggered when pre-defined limits are exceeded.



## PRODUCT FEATURES

- Fall-out particle counting technology
- Ideal for identifying shape and size or larger particles
- Silicon-based sensor detection
- Differentiates particles from fibres
- Elite construction



# ISOCOUNT<sup>MAX</sup>



## Standard Product Options

Carrying Case
Wireless Output Antenna
55Wh Battery - Rechargeable & Removable
Temperature and Humidity Probe
Isoprobe Threaded
Filter/Filter Assembly

## Features & benefits

- Measures 0.3 µm to 25 µm
- 0.1 CFM (2.83 LPM) flow rate
- Long life laser diode technology
- Approximates mass concentration in µg/m<sup>3</sup>
- Measures up to 6 channels of simultaneous data
- Large easy-to-use icon driven colour touch screen display
- (Optional) temperature and relative humidity probe
- Internal vacuum pump
- Stores up to 45,000 sample records for on-board data redundancy
- Easy configuration and transferable from instrument to instrument

# ISOCOUNT<sup>PRO</sup>

## Standard Product Options

Carrying Case
Wireless Output Antenna
55Wh Battery - Rechargeable & Removable
Temperature and Humidity Probe
Isoprobe Threaded
Filter/Filter Assembly

## Features & benefits

- Measures 0.3 to 25.0 µm
- 0.1 CFM (2.83 LPM) flow rate
- Long life laser diode technology
- Measures up to 6 channels of simultaneous data (30 channels optional)
- Particle concentrations up to 20,000,000 Particles/ft<sup>3</sup> @ 10% coincidence loss
- Internal vacuum pump
- Internal HEPA filter
- User-selectable channel sizes
- Stores up to 65,000 sample records for on-board data redundancy



# ISOCOUNT<sup>PLUS</sup>

## Standard Product Options

Optional temperature and relative humidity probe
Connect using Ethernet, USB or wireless
Calibration for custom size channels available

## Features & benefits

- Industry's highest concentration of 15,000,000 particles/ft<sup>3</sup> @ 10% coincidence loss
- Ideal for use in Cleanrooms, Industrial Health & Safety, and Air Quality applications
- Industry's first Sleep Mode and Power Conservation Mode with intelligent battery
- Unparalleled and most comprehensive internal self-diagnostics of any remote particle counter
- Internet of Things (JSON) communication allows for network or cloud based data options
- Wide Particle Size Detection: Accurately measures particles from 0.3 to 25.0 µm.
- User-Friendly Interface: Large, icon-driven colour touchscreen for easy operation
- Extended Battery Life: Over 10 hours of continuous use on a full charge



# ISOCOUNT<sup>LITE</sup>



## Features & benefits

- Automatic particle fall-out monitoring
- Alerts/alarms for exceptions
- Avoid contamination/yield losses
- Track trends – allows continuous tracking with time and room activity
- XCAM direct particle detection technology
- Particle monitoring 5 µm to >750 µm
- Reporting to IEST-STD-CC1246E
- Touchscreen reporting dashboard
- Take action to prevent yield losses part way through a key process.
- Identify activities which create higher contamination levels
- Monitor the effects of process improvements
- Assess the effect of new processes
- Automatically collect surface contamination statistics for project reporting

# ISOLate

## CLEANROOM ISOLATORS

...AND WE'LL DELIVER THE PERFECT SOLUTION!



# ISOgen

## CLEANROOM GENERATORS



SIMPLY TELL US YOUR REQUIREMENTS...

Selecting the right cleanroom isolators and generators can be complex, with many specifications and suppliers to choose from. Guardware's Broker Service makes the process simple by guiding you to the ideal solution for your application.

Our experts work with you to understand your process, compliance needs and technical requirements to ensure every detail is considered.

Whether it's part of your larger cleanroom construction project, separate furniture & equipment fit-out or just a stand-alone equipment procurement, we collaborate with leading manufacturers to match you with the isolator or generator that delivers the best performance and long-term value.



The Guardware customer journey is all about consultation and collaboration. We're here to support and empower you – to help you tailor your order so that it meets all the requirements necessary to elevate your operations.

This philosophy applies to each and every product in the entire range – which is why each and every customer has the option to open up a supportive dialogue with a member of the Guardware team.

We've curated standard product ranges for each item in the ISO family in order to help streamline your customer experience.

But we're also ready to help deliver solutions that are 'outside the box' – just tell us what your bespoke requirements are, and we'll work with you to develop a product that ticks all the right boxes. To get you started, here's a simple Ordering Guide to help you tailor your perfect ISO range product.



## STEP THREE

**Tailor your production spec to meet your needs**



**Internal shelving or rails required?**



**Drawers needed?**



**Open Front & Back stepover bench?**



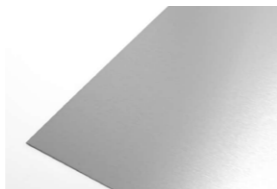
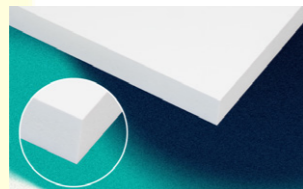
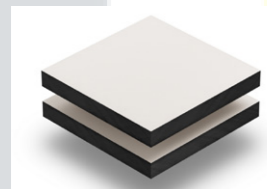
**Perforations for airflow?**



**Lockable units?**

## STEP ONE

**Select your base materials: Trespa, Sealwise, Stainless or Mild Steel**



## STEP TWO

**Choose your stability: Flat Base, Levelling Feet or Castors?**



## STEP FOUR

**Think about your product sizing: height, length and width**

HEIGHT OPTIONS	LENGTH OPTIONS	WIDTH OPTIONS
400	1000	400
400	1250	400
400	1500	400
400	1750	400
400	2000	400
400	2250	400
400	2500	400
400	2750	400

## STEP FIVE

**Place your order!**

Head over to [www.guard-ware.co.uk](http://www.guard-ware.co.uk) and submit your Basket enquiry for a specially tailored quote!

Email [sales@guardtech.com](mailto:sales@guardtech.com) to begin your journey with a Guardware rep

Call the team directly on **0330 113 0303**

*"I want a Trespa bench on castors that's open at the front and back, has 10 compartments and is 2000mm long"*



## THE CLIENT

Manufacturers of proprietary, synthetic DNA and mRNA products for applications in Cell & Gene Therapies and vaccines. 4basebio offer RUO AAV manufacturing services for partners developing gene therapies, offering targeted non-viral vectors for partners wishing to deliver therapeutic nucleic acid or proteins to specific cells and tissues.



Cell & Gene Therapy



21 ± 2C  
45% ± 10% RH



400m<sup>2</sup>

**“All the client’s requirements were catered to by the team...”**

Guardtech Group Operations Director Conor Barwise said: “This project presented the team with a variety of challenges due to the relatively large number of process spaces and change areas in a restricted overall footprint. “However, over the past 20 years, Guardtech Cleanrooms have encountered a wide variety of different projects with space, access and operational limitations and the Design and Install teams worked brilliantly together to ensure all of the client’s requirements were catered to.”

**Conor Barwise**  
Guardtech Group  
Operations Director



## THE BRIEF

The client was looking to expand their manufacturing capacity with the introduction of two floors of new Grade C modular cleanrooms, including process rooms, solutions preparation areas, change areas, cleanroom corridors, several personnel and materials airlocks, separative devices and a bespoke HEPA goods lift, in an existing office park premises in Cambridgeshire.



## THE FIT-OUT

For this project we understood the client needed their biotechnology innovation to travel across multiple sequences and spaces. We included a H14 HEPA filtered goods lift, clear perspex enclosure, electro-magnetically interlocked and mechanically interlocked polypropylene transfer hatches to support their quick processes. Waste hatches and chutes, electro-magnetically interlocked polypropylene transfer hatches also supported this progression. Alongside this, we used stainless steel stepover benches with shoe compartments, stainless steel pigeon holes for shoe storage, powder-coated steel lockers, wall-mounted stainless steel dispensers and stainless steel sinks with motion sensor taps. The point-of-use heater was plumbed into the water supply and connected to drainage.

Biological Safety Cabinets and Trespa Toplab workbenches facilitate their rapid biotechnology, whilst Contamination Control Flooring laid on the “dirty” side of the

Primary Change Areas supplement their manufacturing process.

**Floored layout:** To support the client’s efficiencies, we needed to provide a separated waste transfer system for incoming product and outgoing goods via a split hatch and a dedicated bespoke waste chute. Top floor construction con-



tinued whilst the lower floor was still fully operational for the client, but the Guardtech Cleanrooms Installation Engineers have a great deal of experience in constructing environments in conjunction with ongoing client process.

Tight planning and management by Guardtech ensured their work was never compromised, even

when the team also had to overcome incoming goods from the ground floor to the first floor with the HEPA-filtered transfer hatch.

Guardtech Group Operations Director Conor Barwise said: “This project presented the team with a variety of challenges due to the relatively large number of process

spaces and change areas in a restricted overall footprint.

“However, over the past 20 years, Guardtech Cleanrooms have encountered a wide variety of different projects with space, access and operational limitations. We understand bespoke, complex product and equipment requirements and will see them through to suit client needs.”

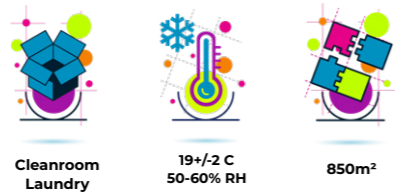


## THE CLIENT

Elis Cleanroom – global multi-service company that design, develop and provide bespoke solutions for flat linen, workwear, hygiene and well-being products, as well as cleanroom services, pest control and medical waste management.

## THE BRIEF

The Guardtech Group were engaged to construct a cleanroom laundry at Elis' new facility in Knutsford, Cheshire – featuring bespoke transfer hatches. The facility was made up of two distinct zones: seven cleanrooms with classifications ranging from ISO5 to 7 and 8, as well as a larger CNC zone. Initially, our large-scale turnkey arm Cleanroom Solutions were brought in by a principal contractor to solely develop the cleanroom aspect of the facility, but when it became apparent that the original principal contractor was unable to fulfil all the necessary requirements, the Guardtech Group stepped in to assume full responsibility of the project.



Cleanroom Laundry

19+/-2 C  
50-60% RH

850m<sup>2</sup>



## “Innovative, bespoke design and stunning aesthetics...”

Senior Project Manager Dan Baxendale said: “I’d like to pay tribute to everyone who contributed to this project – from Installation Manager Wayne Smith and civil works expert Besjan Musaraj to the wider Guardtech Group team. We inherited a massive project full of potential pitfalls from the previous contractor and worked so diligently to turn it all around and deliver a first-class facility that marries innovative, bespoke design features with stunning aesthetics.”

**Dan Baxendale**  
Guardtech Group  
Senior Project Manager



## THE FIT-OUT

We delivered bespoke garment transfer hatches to help the client in achieving their mission for circular services of hygiene, well-being and protection.

Further to this, stainless steel full-length mirrors were wall mounted and non-perforated stainless steel tables were pickled and passivated to ensure a sound finish was produced. We also provided 316 stainless steel shrouded sinks, stainless steel coat hooks, paper towel dispensers, glove box dispensers, multi-purpose dispensers, stainless steel seating benches, 316 stainless steel shelving and stainless steel bins.

**Hatching plans:** our Design Team closely consulted with the client to ensure we effectively captured their processes, giving us the best possible platform to deliver a facility that operated exactly as they needed it to. This included the design and manufacture of bespoke transfer hatches for moving their garments between the cleanroom space, via

trolleys, into the outer CNC zone. Their ‘open slots’ allowed clean air to escape into the CNC side and be recirculated. Our unique, bespoke hatches allowed leakage rates to be controlled in a manner that far exceeded the process that had been in place before our innovation.



Senior Project Manager Dan Baxendale said: “I’d like to pay tribute to everyone who contributed to this project – from Installation Manager Wayne Smith and civil works expert Besjan Musaraj to the wider Guardtech Group team. We inherited a massive project full of potential pitfalls from the previous contractor and worked so diligently to turn it

all around and deliver a first-class facility that marries innovative, bespoke design features with stunning aesthetics. “We now feel like we have several sub-teams within the Group with the resolve, knowhow and experience to take on comprehensive, all-en-

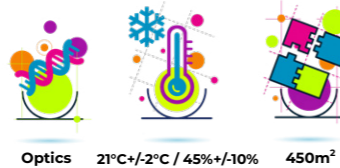
compassing projects like this without hesitation. We can cover clients needs in fine detail to provide them with a game-changing experience to achieve their goals.” “Everyone at the company, and I mean everyone, pulled together to turn a nightmare scenario into something beautiful and I’m so grateful for the support of the Guardtech Group family.”



**Contamac**  
EMPOWERING YOUR VISION

## THE CLIENT

Contamac – the world’s largest independent manufacturer of contact and intraocular lens materials. The business produces bespoke ocular formulations using their clients’ own specifications and is the leading innovator in the development of specialist polymers and biocompatible materials for medical applications.

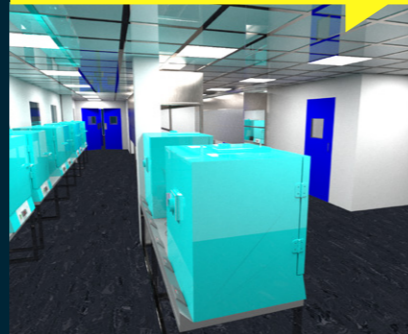


## WHO WE ARE

From Our Company on [contamac.com](http://contamac.com)...

“Our 3,250m<sup>2</sup> headquarters in Saffron Walden – just outside the university city of Cambridge – features an ISO7 (Class 10,000) cleanroom and state-of-the-art manufacturing, research and laboratory facilities.

“They allow us to produce bespoke ocular formulations to clients’ own specifications and to collaborate with the wider scientific community to create new biocompatible materials and applications.”



## THE BRIEF

Guardtech were tasked with the design and construction of an ISO7 optical cleanroom in an existing building that required repurposing. This included comprehensive design of all mechanical & electrical services for the building as well as the related process equipment and a bespoke cleanroom lift.

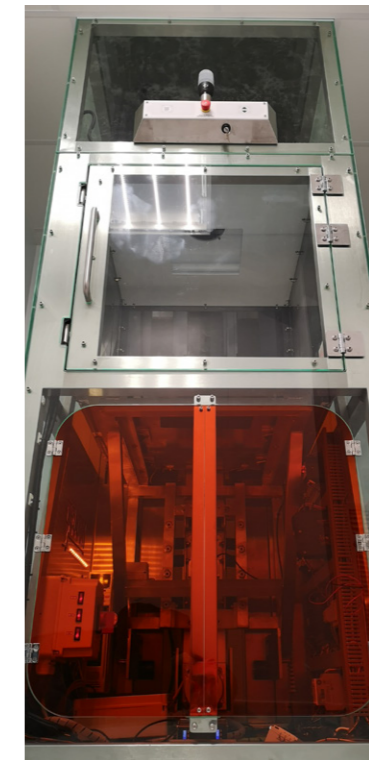


## THE FIT-OUT

The Guardware team were charged with fitting out the client’s cleanroom with a range of high-performance cleanroom furniture & equipment.

This included bespoke Trespa workbenches on grade 304 stainless steel frames, 16 laminar flow workbenches, stainless steel stepover benches, a laminar flow garment stocker and a stainless steel sink unit with Dyson Airblade taps.

**Bespoke cleanroom lift:** The client required heavy product to be moved from floor to floor in a non-compromised condition, but without manual handling no such solution was readily available. Guardtech worked with Felcon to design, install and commission a cleanroom-compatible goods lift and trolley hatch which did not compromise cleanliness or pressure cascades. This HEPA-filtered cleanroom lift needed to maintain a positive pressure during transition. An upstairs and downstairs lobby was therefore fashioned



to ensure that the pressure regimes of the lower and higher cleanrooms was not compromised by the opening and closing of the lift doors.

Guardtech were delighted to be

a part of a project which allowed them to show off their adaptability, creativity and problem-solving skills, as well as testing their years of expertise and their ability to produce bespoke cleanroom equipment.

It also meant that they produced arguably one of their most striking controlled environments to date. Commercial Director Mark Wheeler reserved special praise for the Design and Installation teams for their impressive collaboration skills.

“This project really tested us as a team – particularly the issues with the floor, staircase and lift – but the Design and Installation teams worked incredibly well together to devise innovative solutions.

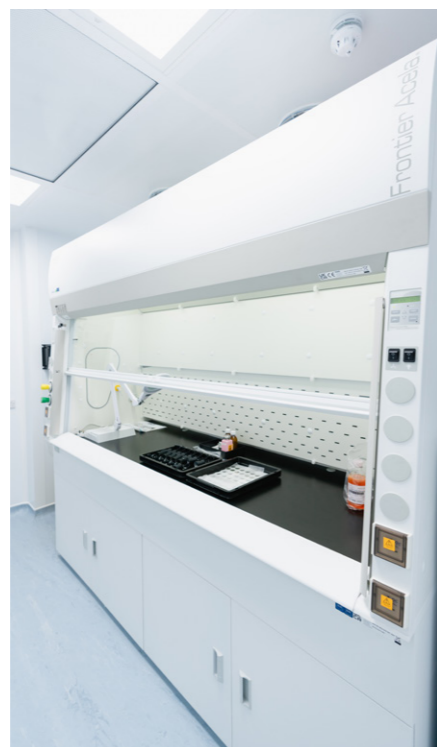
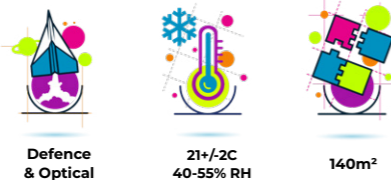
“This has to be one of the most stunning jobs we’ve completed to date, and it was a pleasure to produce something so brilliant for a client that produces such high-quality products. My thanks to everyone involved in turning around such an excellent project in such a professional manner.

“This was a fantastic opportunity for the Guardware to demonstrate their capacity for equipment innovation.”



## THE CLIENT

One of the leading suppliers and system integrators of support equipment for military and commercial electro-optical sensors in the world. With decades of experience in their focus markets, the client brings real world experience to assist customers in meeting the demands of today's military and security equipment programs.



## THE BRIEF

The client wanted to adopt a new production process within their facility, which is best suited to controlled and classified conditions. After successfully working with Guardtech on a previous cleanroom build, the client asked Guardtech to consult on the design and to formulate a proposal for the new cleanroom, including a comprehensive Guardware equipment fit-out.

## “The final product was exceptional..”

The client's Operations Director said: "Guardtech worked with us in a collaborative way throughout the process to ensure that the project came in, on time and on budget."

"The final product was exceptional and was constructed in such a way to cater for our individual special requirements for the manufacture of our optical assemblies."

Operations Director  
for the client



## THE FIT-OUT

Guardware included 5 Trespa benches with grade 304 stainless steel support stands and a contamination control mat to suit the evolving operations for the client. To drive efficiencies, a ducted fume cupboard and 5 x H14 HEPA filter laminar flow workstations were also included. This provided optimal air quality and product protection for processes, product and personnel. Environmental protection and the requirement to expel chemicals from the processing space when dealing with electro-optical sensors also formed part of the Guardware provision for this project.

**Scrubbing up:** In original planning, we would have opted for a Pure scrubber to extract the potentially harmful chemical from the large air flow space. However, for the specific chemical in question this was not possible, so the room was equalised and rebalanced.

Significant post-HVAC design work ensured that a ducted fume

could be accommodated, solving the issue.

**Great integrating:** to complete the build, a number of different trades were required on site at any one time. Ranging from HVAC operatives, ducting operatives, flooring specialists, panel installers and electrical engineers.

Utilities such as nitrogen gas, compressed air and vacuum were



also involved in the process to ensure precision in the installation, readying the environment for world class technology. Guardtech and Guardware teams catered to various needs across this project to keep efficiencies harmonious. New faces to the team embraced the Guardtech way quickly with aplomb, exhibiting their degree of skills in installing an intelligent

ceiling grid system too.

Guardtech Cleanrooms Project Manager Craig Druce said: "Thanks to everyone involved in this project – the Design and Installation teams worked seamlessly to deliver a great build. We understand our client's decades of experience are being thrust forward in a streamlined, innovative and precise build for their needs."

"We had to rework some of the plans due to an issue with extraction, but all of the parties involved came together brilliantly to devise a winning solution."

"It was a pleasure for Guardtech to return to a place where we've previously installed a modular cleanroom and I hope we get the chance to return one day in the future as they evolve."

The Operations Director for the client, said: "Guardtech worked with us in a collaborative way throughout the process to ensure that the project came in, on time and on budget. The final product was exceptional and was constructed in such a way to cater for our individual special requirements for the manufacture of our optical assemblies."



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Haverhill, CB9 8QP



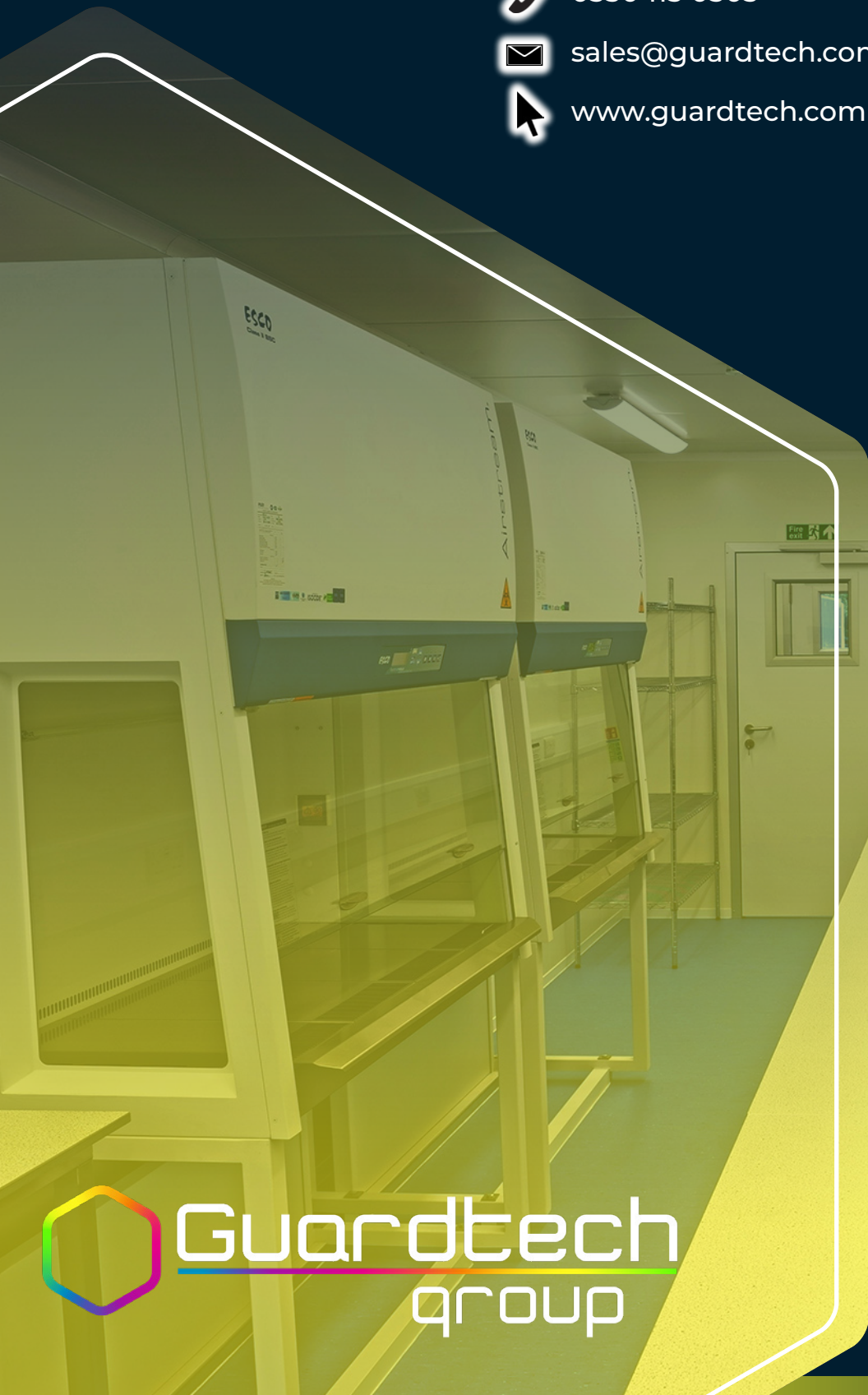
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Guardtech  
group

