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WELCOME



Welcome to our ISO Class 4 Cleanroom Brochure.

Micronclean is the UK's market leader and largest provider of ISO Class 4 Cleanroom Services, not just in terms of scale but in terms of products and services. We are trusted by some of the largest Pharmaceutical companies, the NHS and many other industries as their principal contamination control partner.

This brochure provides an overview of our Managed Cleanroom Clothing Service and tells you a little about us, the service we offer, the items we can supply and how we look after you.

We thrive on a culture of continuous improvement and therefore the service set out in this document is subject to change. Our service can also be tailored to meet your exact requirements.



ABOUT US

"At Micronclean, our passion is to be the first to develop new technological solutions that change the shape of the markets we serve creating quality and efficiency for our customers."

Micronclean has been owned by one family since the mid-1920s but can trace its roots back to the Skegness Steam Laundry, which opened in 1883. We are the largest privately owned laundry business in the UK, which means that we can operate in a distinctly different way to the larger multinational companies that operate within the Cleanroom Laundry sector.

For over 35 years since Micronclean built the first Cleanroom Laundry in the UK in 1981, we have focused on contamination control products for companies in the Life Sciences, Pharmaceutical, Healthcare, Medical Devices, Electronics and Aerospace industries. This focus continues to this day with the recent completion of a new manufacturing cleanroom in Skegness alongside plans for development of a new 'Skegness Campus' which will be home to a completely new ISO Class 4 Cleanroom laundry.

From our Cleanroom Laundries in Lincolnshire, our own fleet of vehicles run overnight trunking routes to service our regional transport centres in the South East, South West, North East, North West and Scotland. From these regional hubs, our fleet then undertake local tailored deliveries to ensure that you receive all your cleanroom items including consumables when you want them.

As a result, our modern transport network covers the whole of mainland UK ensuring that all our customers get an efficient, cost effective and reliable flow of cleanroom items.





ISO 4 SERVICE OFFERING



ISO CLASS 4 SERVICE OFFERING

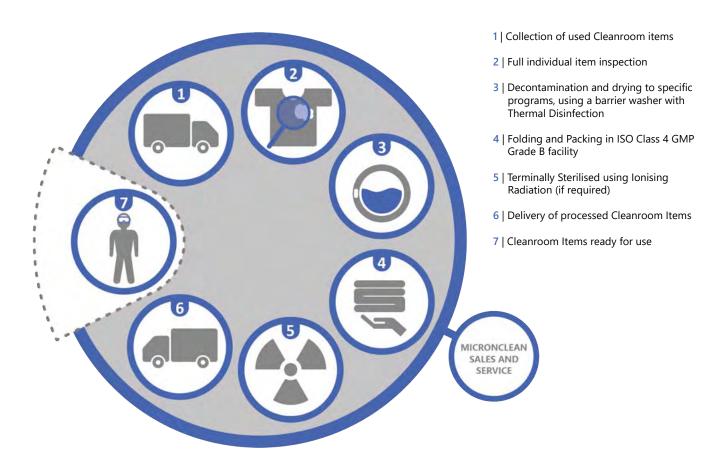
Your cleanroom environment is critical to your business's success. The selection of the right contamination control partner is key to support your broad and evolving range of cleanroom needs and as the market leader in Cleanroom Contamination Control, we suggest that your choice be Micronclean.

From the start, Micronclean put our customers at the heart of everything we do. This means as well as a dedicated Business Development Manager who will be your primary contact, you have access to an office-based customer service team who will be able to answer your questions quickly and efficiently. From before installation through to scheduled processing we have systems and processes that track your cleanroom items through ordering and installation into routine operation which includes collection, inspection, validated repair (if allowed by your contract), decontamination, drying, packing, sterilisation (if required) and delivery ready for use.

In addition, the seamless integration of the tracking systems with process data from our SCADA process/control systems ensures that we log your cleanroom items' full history ensuring your regulatory compliance.

This level of detail and service is available to all our cleanroom customers who take our ISO4 and ISO6 cleanroom service.

In addition, Micronclean is able to offer Pre-saturated ready for use Cleanroom Mops, Cleanroom Consumables, and a dedicated Cleanroom Cleaning service to keep your operations performing.



ISO CLASS 4 SERVICE OFFERING



ISO CLASS 4 SERVICE OPTIONS

• Ctandard	ISO Cla	ss 4/Gra	ade B - S	Servi	ce Options			
StandardOption		,						
- Not available	Coverall	Footware	Headware	Coat	Cleanroom Goggles	Gauntlets	Mops Pre-Sat	Mops Dr
CONTRACT OPTIONS								
Full Service Rental	•	•	•	•	•	-	•	•
Split Charge	0	0	0	0	-	-	-	-
Process Only	0	0	0	0	-	•	-	-
GARMENT/ITEM OPTIONS								
ID Label	•	•	•	•	•	•	•	•
Barcode/QR Code	•	•	•	•	•	•	•	•
Logo	0	-	-	0	-	-	-	-
Name Badge	0	-	_	0	-	_	-	
Coloured Flash	0	0	0	0		_	0	0
RFID				<u> </u>	_	_	-	
INSPECTION								
Individual item inspection	•	•	•	•	•	•	•	•
Stain level criteria	•	•	•	•			-	
Patch level criteria	•	•	•	•		-	-	_
Patch level criteria DECONTAMINATION WASH & DRYING PRO				_				
		•	•	•	•	•	•	•
Dedicated wash process	•	•	•	•	•	•	•	•
Dedicated drying process	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>
FOLDING								
Standard Fold	•	•	•	•	•	•	•	•
Zip Up	•	-	-	•	-	-	-	-
Poppers Undone	•	•	•	•	-	-	-	-
Barcode/Label displayed	•	•	•	•	•	•	•	•
Aseptic Fold	0	0	-	-	-	•	•	-
BeMicron leg up fold	0	=	-	-	-	-	-	-
Special Fold	0	0	-	-	-	0	-	-
Zip Undone	0	-	-	0	-	-	-	-
BAGGING								
Single Bagged	•	•	•	•	-	•	-	-
Double Bagged	0	0	0	0	•	0	•	•
Large Double Bagged	0	0	0	0	-	0	-	-
Triple Bagged	0	0	0	-	-	0	-	-
Special Instruction	0	0	0	-	-	-	-	-
PACKING FORMAT								
Packed by type and size	•	•	•	•	-	-	-	-
Packed by type only	0	0	0	0	•	•	•	•
Packed by type, size and colour	0	0	0	0	-	-	-	-
Packed by dept name/colour flash	0	0	0	0	0	-	0	0
Packed by wearer name/sets	0	0	0	0	-		-	-
Packed in pairs by size (Boots)	<u> </u>	•	<u> </u>	-	-	-	-	-
Packed mixed	0	0	0	0	-	-	-	_
PACKING				J				
Packed in large Poly Bag(s) in Webknot	•	•	•	•	-	-	•	•
Packed in box (3 sizes & white for Gauntlets)		-			•	•		
LABELLING					•			
Primary Packaging Labelling				_			<u> </u>	_
	•	•	•	•	•	•	•	•
Webknot Packaging Labelling			•	_	-			
DELIVERY & COLLECTION								
Weekly Service, 8 hour delivery window	•	•	•	•	•	•	•	<u> </u>
QUALITY - ROUTINE QUALIFICATION TESTII								
Particle Testing - ASTM F51-00 test method	•	•	•	•	-	-	-	-
Particle Testing - ASTM E1216-11 adaption	-	•	-	-	•	-	-	-
BioBurden Testing	-	-	•	-	•	•	-	-
Pressure Decay Test						0		
QUALITY - ROUTINE QUALIFICATION TESTII	NG							
Torminal Ctarilization	0	0	0	0	•	0	•	•
Terminal Sterilisation								

CLEANROOM FACILITIES

To provide its fully managed Cleanroom Clothing Service Micronclean operates two discrete cleanroom laundries.

ISO CLASS 4

Micronclean operates the largest dedicated ISO Class 4 (GMP Grade B) Cleanroom Laundry in the UK which has a capacity of more than 70,000 garments a week. Using Micronclean's validated cleanroom wash programs, items are decontaminated using barrier washing machines before transferring into our ISO Class 4 cleanroom. Cleanroom items are then placed into positive pressure, HEPA filtered air tumble dryers to complete the process and aid final particulate removal. The cleanroom items are then packaged and prepared for sterilisation (if required) before the addition of batch information for full traceability.

ISO CLASS 6

In Louth, Micronclean operates one of the most technically advanced ISO Class 6 (GMP Grade C) Cleanroom Laundries in Europe, with the capacity to process in excess of 120,000 items a week. The Louth plant is highly automated and was purpose-built to exploit the power within our Protrack garment tracking system. Using Micronclean's approved wash programs, garments are processed using barrier washing machines into our ISO Class 6 cleanroom where they are individually bagged before being transferred to the warehouse prior to automatic final sorting and dispatch to the customer.



ISO CLASS 4 SERVICE OFFERING



SKIES

The SKIEs attributes provide a compass for our strategic direction, inform day-to-day business decisions and keep our customers firmly at the centre of everything.









STEWARDSHIP

Micronclean has been owned and managed by the Fry family since Cedric Fry acquired the original laundry in 1928, although it had been in existence for many years prior to that. Donovan Fry took over when his father Cedric died in 1968, and he in turn handed over the reins when he retired in 1993 to his son Simon Fry who is the current family member in charge of the business.

Ownership by one family for so long stamps an identity that separates the company from other businesses. For Micronclean, this is a long-term focus to create world beating technology, systems, products and services. These are supported by the honesty and integrity of our workforce all backed by a consistent financial investment.

KNOWLEDGE

Knowledge is the foundation of Micronclean's ability to serve its customers with Excellence and Innovation. To support our strategic ambition we must improve our processes by consistently investing in both technology and our people so that one equally supports the other. In addition, we must understand our customers, as well as we understand our technologies so that we not only see opportunities but we also bring them to market. This strategic ambition is transforming the organisation so that not only has it retained its position as a market leading supplier of cleanroom garments, mops and laundry services but it has actively developed its position as a market leading provider of contamination control products and services and has become a medical device manufacturer.

INNOVATION

Micronclean's primary strategic choice is to position itself as the technological market leader and this defines the business.

As a result, Micronclean operate a discrete Innovation and Product Development Functions that are focused on taking concepts and ideas and from these delivering innovative new products and solutions to serve our customers worldwide.

EXCELLENCE

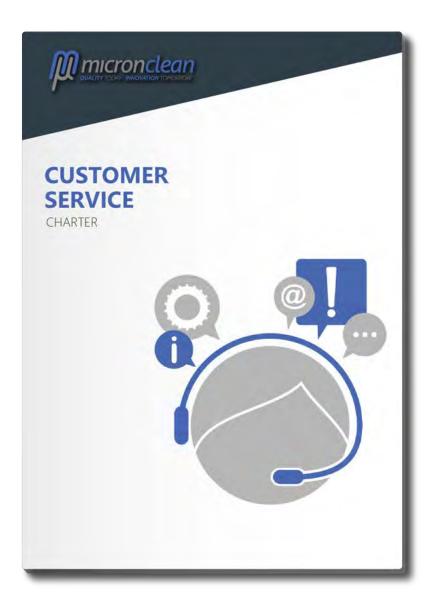
Excellence is Micronclean's business process to continually improve the quality conformance and cost base of the business's products and services. At the core of Micronclean is a drive to lead the market technologically. This is shown by the invention, introduction and refinement of industry leading ideas. Such as production facilities that break new ground, control systems that ensure product conformance, software that produces unparalleled product traceability and environmental monitoring systems to allow parametric release of product and GMP compliance. It is all too easy, with a new successful product that is producing good margins and with little competitive pressure, to rest on one's laurels. However, cost controls are still vital as lowering costs allows Micronclean to simultaneously ensure its future survival but also pass on a lower price to customers.



MICRONCLEAN CUSTOMER SERVICE CHARTER

At Micronclean, we are always committed to providing exceptional customer service and aftercare. By understanding your changing needs and requirements, we commit ourselves to drive improved customer satisfaction, proposing unbiased solutions that create quality and efficiency for you.

Full details are given within the customer service charter which can be downloaded directly from our website.



ISO CLASS 4 SERVICE OFFERING



QUALITY MANAGEMENT SYSTEM

Micronclean operate a Quality Management System and work to the EU Guidelines on Good Manufacturing Practice (GMP). This Orange Guide (as it is known) is compiled by the Inspection, Enforcement and Standards Division, Medicines and Healthcare products Regulatory Agency (MHRA) and forms the bedrock of our operations working hand in hand with a range of other classifications and management systems which include:











ISO 9001 Quality Management System. **ISO 14001** Environmental Management System. ISO 13485
Quality Management
System for Medical
Devices & Related
Services

ISO 50001 Energy Management System. EN 14065 Risk Analysis and Bio contamination Control (RABC)

The main garment processing cleanroom operates to ISO 14644 Class 4 at rest. The secondary packaging cleanroom operates to ISO 14644 Class 6 at rest. These classifications are re-validated on an annual basis by an external agent.

On-site environmental microbiology is carried out daily to demonstrate the ISO Class 4 cleanroom's compliance to the EU GMP Grade B standard. The secondary packaging cleanroom is monitored to EU GMP Grade C.

Our monitoring includes:

- Finger dab monitoring of Cleanroom Operatives
- Passive air monitoring by settle plates
- Cleanroom Surface monitoring by contact plate
- Bioburden testing of the RO and Softened water supply

All aspects of the Micronclean process are detailed in standard operating procedures, which are available for customer inspection.

Quality spot checks are carried out weekly on packed garments from each shift, and are inspected for the quality of the folding, quality of the packaging seals, visibility of the label and barcode, and to ensure garments have been packed with the correct batch.

- C of I (Certificates of Irradiation) are emailed out where required C of C (Customer Certificate of Conformity & Delivery Sheet) are emailed out in every instance
- Daily Bioburden testing of RO and the Softened water supply is also undertaken.

ENVIRONMENT AND CIRCULAR ECONOMY

In terms of environmental load selecting a reusable cleanroom coverall instead of disposable coverall can over the life of a reusable garment (50+ cycles) lead to a:

34% decrease in process energy usage

59% decrease in solid waste to landfill

28% decrease in water consumption footprint and a

60% decrease in carbon footprint (CO2 equivalent)

From a Study Published in PDA Journal of Pharmaceutical Science and Technology

Vozzola, E. et al. 2018. Life Cycle Assessment of Cleanroom Coveralls: Reusable and Disposable. PDA J Pharm Sci Tech. Feb 18

To ensure these benefits are delivered, every Micronclean Cleanroom Garment:

- 1 | Is designed for a long life using the fabrics that we have rigorously tested to ensure maximum working life.
- 2 | Is manufactured in state of the art factories where we have undertaken audits to ensure the quality of the garment alongside the well being of the workers.
- **3** | Travels the minimum distance required to ensure that it is delivered correctly and subsequently processed according to your exact requirements.
- **4** | Must be worn in accordance with the contract details and used for the appropriate cleanroom processes.
- **5** | Should be returned in the correct way using soiled garment collectors and coloured reusable webknot bags that we supply as part of the service.
- 6 | Is processed according to our pre-determined decontamination process, which is validated and gives 5 log reductions in bio-burden. The exact processing conditions that each garment receives are logged in our Protrack garment tracking software.
- 7 | Is repaired (if allowed within your contract) using validated double sided techniques to ensure maximum service life.
- **8** | Is disposed of correctly at the end of its useful life to minimise landfill and its associated problems.





ISO 4 SERVICE DESCRIPTION

TAILORING A SERVICE TO YOUR REQUIREMENTS

By understanding your exact requirements, we will design a garment service tailored to your needs.



1 | The need for pool stock or named wearers.



2 | How many of each garment type you require - for certain customers we can offer in-service loan stock.



3 | How these garments are to be cleaned and decontaminated to avoid unnecessary over processing.



4 | How they are folded.



5 | How they are packed.



6 | How they are sterilised - if this is required.



7 | How they are collected from and then subsequently delivered to and distributed on your site.



8 | How they should be repaired or replaced if the need arises.



9 | In addition, for customers subject to the requirements of Annex 1 we can also talk you through our validated reusable Cleanroom Goggle and Sock services.



10 | You should also inform us of any specific decontamination requirements that may be required so that the contract between us reflects all the hazards and necessary precautions, which could include dissolvable water-soluble bags for instance.



11 | Depending on your requirement we may take the opportunity to discuss how our broad range of Cleanroom Consumables, Cleanroom Mopping Solutions, Onsite Service and Cleanroom Cleaning Service could support you with your ongoing Contamination Control requirements.



12 | Once your Cleanroom Clothing requirements have been determined, measurement or fitting sessions will take place and then an order will be raised. By working in partnership with the cleanroom garment suppliers we have access to large volumes of standard garment stock and your order will most likely be prepared from this, significantly shortening lead-times.

ISO CLASS 4SERVICE DESCRIPTION



INSPECTION

All cleanroom garments are scanned into Micronclean's Protrack garment management software. Protrack holds all the customer's contract requirements detailing the staining and repairs criteria.

As part of the scanning in process all cleanroom garments are subject to 100% visual inspection on dedicated light tables.



This establishes if the item is fit for use in ISO Class 4 (GMP Grade B) or ISO Class 6 (GMP Grade C) conditions as appropriate. Items found to be defective are rejected and quarantined immediately.

Repairs and/or replacement can be automatically triggered in-line with your agreed contract conditions. Another inspection of the Cleanroom item happens after drying and before packing. From within our Protrack garment management system automatic reports can be generated and sent to you detailing garment usage, repair and replacement costs etc.







DECONTAMINATION AND DRYING

DEDICATED WASH PROCESS

Laundering takes place using a validated wash process, in a commercial barrier washing machine, using reverse osmosis (RO) water throughout the wash and rinse steps to obtain organoleptic, fibre, particulate and ionic cleanliness This includes mandatory Thermal Disinfection for all garments.

Two additives are used in a standard garment wash process: Neutral Detergent (a liquid non-ionic detergent) and Alkaline Booster (a liquid alkali product). The liquid additives are automatically added to the wash process via calibrated peristaltic pumps. The SCADA system is set to alarm for non-compliant loads. This includes temperature, time and conductivity requirements to ensure Thermal Disinfection has taken place and chemical has been dosed and subsequently removed from the final rinses.

The wash process is dedicated to the type of item that is being processed. As an example, our patented Goggle wash process will have an anti-fog agent added.

An electronic batch record sheet is automatically created in the cleanroom at this stage, and details of the wash batch are recorded for each wash load.

- Thermal disinfection of garments utilising a validated wash process and registered to EN 14065 (RABC).
- Low conductivity and low endotoxin process water, produced by reverse osmosis, used to reduce chemical and chemical ion contamination.
- The quality of the reverse osmosis water is monitored:
 - conductivity is continuously measured a maximum conductivity of $30\mu S$ is set
 - bioburden is tested daily a maximum total viable count of 5cfu/ml is set
- The thermal disinfection cycle is validated to achieve a minimum of 5 log reduction in microorganisms.

ISO CLASS 4SERVICE DESCRIPTION



DEDICATED DRYING PROCESS

Following the laundering cycle the processed garments are unloaded into the ISO Class 4 cleanroom and then loaded into commercial tumble driers for drying and further decontamination by way of dedicated programs.

The tumble driers are supplied with ULPA Class 5 filtered air from within a clean air plenum. Validated monitoring software automatically runs the drying and decontamination cycles within the drier. After drying, the tumble drier enters a cool down phase. During this phase further decontamination of small particulate occurs.

PROCESS MONITORING

Real-time data capture software known as the SCADA System maintains compliance through continuous monitoring of the following parameters of the Micronclean cleanroom garment decontamination process:

- temperature profile of the wash process
- · wash process time
- conductivity of wash and rinse liquors
- temperature profile of the drying process
- drying process time
- tumble drier enclosure pressure

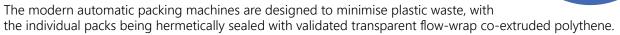
These monitoring measures confirm that the correct Thermal Disinfection temperatures and time are achieved and that the correct drying cycle and particulate decontamination have been achieved. Nonconforming batches are signalled by an alarm, such as if the washers do not achieve the time and temperature for thermal disinfection. SCADA will also alarm if the tumble driers do not achieve the correct time, temperature or enclosure pressure. All batch records are created by SCADA and are stored electronically.



PACKING AND FOLDING

Once washed and dried, items are then visually reassessed for damage, wear and staining, they are then folded according to customer requirements and fed along a conveyor belt to an automatic packing machine.

As well as offering a range of folding options including an aseptic fold, we have a range of packing options as specified in the service matrix.



Items are then labelled with a verified process batch label that details the batch number and an expiry date. Sterile garments are also labelled with an irradiation tracking number and an irradiation indicator label. Outer packaging is then applied as required.

The garments sealed within their primary packing are then transferred into the packing area, where they are packed to the customer's requirements and placed in a reusable Webknot bag ready for despatch. Yellow bags are used for Sterile items while Royal Blue bags are used for Non-sterile items.

The primary packing material used by Micronclean is 100% recyclable and the Webknot bags are reuseable. Another visual inspection occurs to ensure items are packed correctly.



ISO CLASS 4SERVICE DESCRIPTION



TERMINAL STERILISATION

Terminal Sterilisation is an important part of our customer's requirements and as part of our Fully Managed Service, we ensure your items are delivered Sterile, to meet with your Contamination Control Strategy.

Sterile garments are gamma irradiated at one of Micronclean's multiple validated Contract Irradiation Facilities. A validated sterilisation cycle provides a minimum absorbed dose of 25kGy in all cases.



Each batch of irradiated garments receives a Certificate Of Irradiation (COI). The Micronclean irradiation indicator labels change colour during the irradiation cycle from yellow to red.

Sterility testing on irradiated garments is conducted routinely by an accredited laboratory. Shelf-life validation has been conducted on laundered, packed and sterilised garments to verify a one-year shelf-life.



DELIVERY & COLLECTION

Colour coded Webknot bags containing packed garments are delivered on a weekly basis to your site. The certificate of conformity (COC) and delivery sheet is completed and emailed to the customer contact in the early hours of the day of delivery. This is the information which details the batch information for all relevant garments.

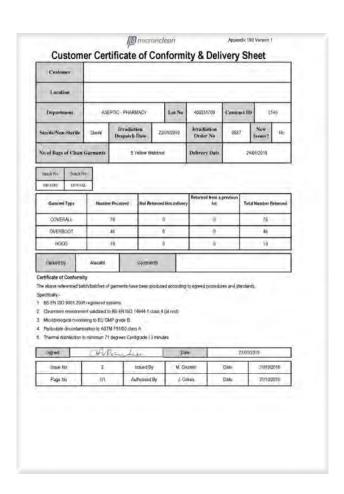


Each batch is fully traceable to the Micronclean process via the batch label affixed to each garment. This includes traceability to the wash batch and the irradiation process.

Garments are tracked and managed using Micronclean's own Protrack software and Garment Management Reports are available. Micronclean operates a Proof of Delivery (POD) system that allows for the tracking of individual Webknot bags throughout their journey.

A key part of the contract set-up is that we will agree with you a safe place for the cleanroom items to be delivered to and collected from as well as a regular day and time window for us to deliver and collect. Please ensure all items have not been subject to hazardous material and for garments they are zipped up and not inside out.

In addition, if you have opted for On-Site Service we will agree the time of the service, the hours to be worked and the positioning of the lockers.



ISO CLASS 4 SERVICE DESCRIPTION



INVOICES

Invoices are generated monthly on the last day of the month and are sent by email. The invoice normally covers charges for our service for the next month along with any changes that have occurred in the previous month with payment terms being 30 days.

Garment Rental Charges are based on the number of changes per week whereas Cleanroom Mops are charged on the number of pieces in circulation.

We support a consolidated invoice, where multiple contracts can be added to a single invoice should this meet your requirements.

The invoice you receive will have a format similar to that shown below.



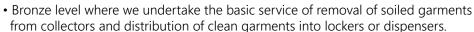


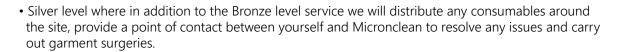
ON SITE SERVICE

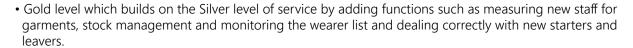
ON SITE SERVICE

Depending on your site the provision of our On Site Service personnel might help you obtain maximum benefit from your Micronclean garment contract.

This paid for service is available at three levels which are:







If you do not feel On Site Service is appropriate for your business, then we ask you to help us to help you by ensuring that:

- Soiled garments are packed correctly into the webknot bags without contracts being mixed.
- Webknot bags containing the soiled garments are put out in a timely manner to ensure that our transport service is not delayed.
- There is a safe space that we can leave the clean laundry in before you distribute it.

Please note all these options will be discussed with you as we go through the contract planning stage.



ISO CLASS 4 SERVICE DESCRIPTION



CUSTOMER SERVICE

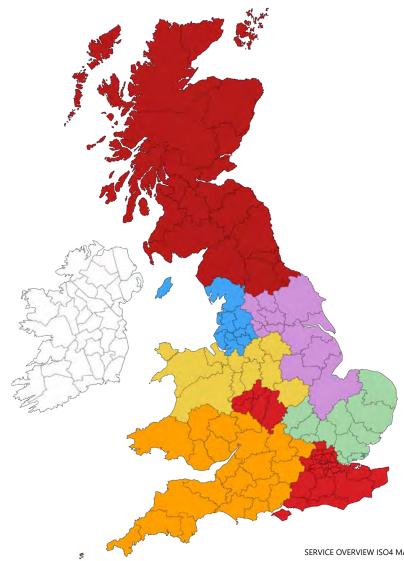
At Micronclean we provide high quality customer service that upholds the values of our family owned company.

Each one of our regionally focused Business Development Managers is supported by a dedicated customer service coordinator within the customer service team based in Skegness. Each coordinator is assigned around four BDMs to whom they act as the first line of contact for any queries from their respective customers. This ensures that you have consistency of service and access to a named person who can help with any queries.



In all cases the person you are dealing with is fully trained in all aspects of our cleanroom product and service offering so that they can fully understand your needs acting swiftly and decisively to ensure you receive the best service possible.

In addition, within the office-based teams there is built in general support alongside acknowledged product experts who are always on hand to help. If we are unable to resolve the query then we will use a structured escalation process in order to gather the relevant answers and develop a solution.



KEY SUPPORT ROUTES

At Micronclean we do everything in our power to meet your expectation, however from time to time we may fall short. It may be that you have a complaint in which case you should follow our established complaints procedure. If you have a more general enquiry then we ask that the following escalation process is followed so we can deal with the issue as efficiently as possible.

Sales Director (Field/Office based) **Phil Cresswell** phil.cresswell@micronclean.co.uk Mobile: +44 07795 010518

UK Cleanroom Sales Manager (Field/Office based) **Jenny Stienlet** jenny.stienlet@micronclean.co.uk

Mobile: +44 07931 808670

Business Development Manager (Field based) Appointed according to territory Mobile number and email address to be supplied

> Customer Service Manager Tracy Bailey tracy.bailey@micronclean.co.uk Mobile: +44 07929 342460

Customer Service Team customer.services@micronclean.co.uk Tel: +44 01754 767171

Micronclean Customer

Routine activities

Sales and service policy holder Stage 4 of escalation of an issue

Routine activities Stage 3 of escalation of an issue

Routine activities

Visiting customer, sites, scheduled service visits, major change or redesign of account, commercial responsibility, technical recommendations Stage 2 of escalation of an issue

Routine activities

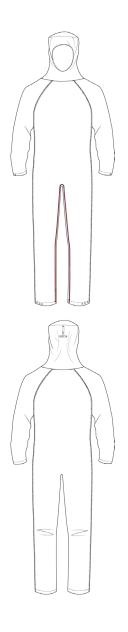
More complex requirements or **Stage 1** of escalation of an issue

Routine activities
Adding and removing wearers, invoice queries, issuing of temporary garments, logistics issues and order progressing

Enquiry or Issue









BEMICRON COVERALL

FEATURES

Gusset single zip fastening coverall with integral hood; Suitable for autoclaving and gamma irradiation; Stud adjustments for hood sizing and ankles; Knitted cuffs for comfort; Full cleanroom construction; Heat sealed edges; Seams are twin needle stitched; Colour Coded sizing.

FABRIC

98% polyester filament yarn 2% anti-static grid

WEIGHT

105gsm

SIZES XSM - 2XL Regular

STD COLOUR | PROTRACK CODE



Light Blue | BM1

NON STD COLOURS



Navy



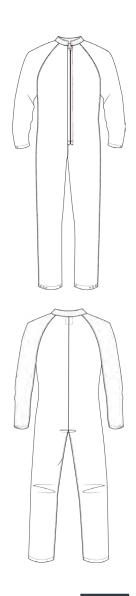
Green



White









STANDARD CLEANROOM COVERALL

FEATURES

Suitable for autoclaving and gamma irradiation; Centre front zip fastening coverall; Stud adjustments at neck, wrist and ankles; Raglan sleeves; Mandarin collar; Full cleanroom construction; Heat sealed edges; Seams are twin needle stitched.

FABRIC

98% polyester filament yarn 2% anti-static grid

WEIGHT

105gsm

STD SIZE RANGE

SML - 2XL Regular

NON-STD SIZE RANGE

3XS to 6XL Regular

STD COLOUR | PROTRACK CODE



Light Blue | SC2

NON STD COLOURS



Navy



Green



White





4

STANDARD CLEANROOM BOOT AND STANDARD CLEANROOM HOOD

FEATURES

CLEANROOM BOOT

Suitable for autoclaving and gamma irradiation; Calf length boot with elasticated top hem; Two stud adjustment at the front and two ties attached to the heel to ensure a comfortable fit; Dissipative flat sole;

All edges are heat sealed before sewing; Seams are twin needle stitched.

CLEANROOM HOOD

Suitable for autoclaving and gamma irradiation; Adjustable stud front fastening; Stud adjustment at the back for improved fit; All edges are heat sealed before sewing; Seams are twin needle stitched.

FABRIC

98% polyester filament yarn 2% anti-static grid

WEIGHT

105gsm

BOOT SIZE STD SIZE RANGE SML - 2XL NON-STD SIZE RANGE XSM to 3XL

HOOD SIZE STD SIZE RANGE SML - 2XL NON-STD SIZE RANGE XSM to 3XL

STD COLOUR



Light Blue

NON STD COLOURS



Navy



Green



White

26 | SERVICE OVERVIEW ISO4 MANAGED CLEANROOM CLOTHING









STANDARD CLEANROOM UNDERGARMENT | TUNIC LONG SLEEVE

FEATURES

Relaxed 'tracksuit' fit; Front neck closure with three studs; Two side vents; No pocket; No collar and edge bound neck.

FABRIC

100% polyester

WEIGHT

85gsm

STD SIZE RANGE

XS - 2XL Regular

NON-STD SIZE RANGE

3XS to 6XL Regular

STD COLOUR | PROTRACK CODE



Navy | MW9







STANDARD CLEANROOM UNDERGARMENT | TROUSERS

FEATURES

Relaxed 'tracksuit' fit;
Tie waist;
Lycra ankle cuffing;
Three division accessory loop to outside right leg;
No pockets.

FABRIC

100% polyester

WEIGHT

85gsm

STD SIZE RANGE

XS - 2XL Regular

NON-STD SIZE RANGE

3XS to 6XL Regular

STD COLOUR | PROTRACK CODE



Navy | MS9





CLEANROOM SOCKS

FEATURES

Designed specifically for the Cleanroom Environment; Padded soles and extra toe support for increased wearer comfort;

Logo'd to support visual check that correct socks are being worn;

Colour coded sizing;
COOLMAX® Technical Fabric offering:
- Soft Material
- Cooling Performance

- High Levels of Breathability
- Moisture Wicking

FABRIC

COOLMAX ®

SIZES

Small Scale System Small Medium and Large

Large Scale System One Size

STD COLOUR



White





STERILE CLEANROOM GOGGLE

FEATURES

Lightweight and durable construction;
Compatible with wearers of prescription glasses;
Superior peripheral vision;
Oversized indirect air vents to limit fogging alongside in process additions of 'anti-fog' agent etc.
Gamma irradiation compatible.

COMPONENT	ELEMENT	ELEMENT
Goggle	Lens	Co-polyester resin
Goggle	Body	Polypropylene/dynamically vulcanised EPDM ruber
Strap	Knitted Insert Elastic (covered by)	Semi-dull polyester 26 gauge rubber
Strap	Cleanroom Fabric	99% high density polyester 1% Carbon

STD COLOUR | PROTRACK CODE



Blue | GG1

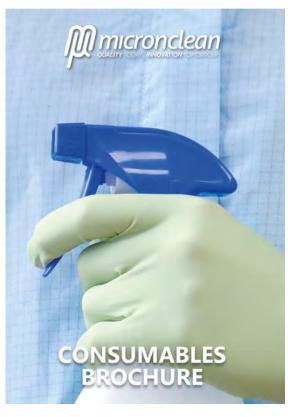


ADDITIONAL CLEANROOM SERVICES



COMPLIMENTARY CLEANROOMPRODUCTS AND SERVICES

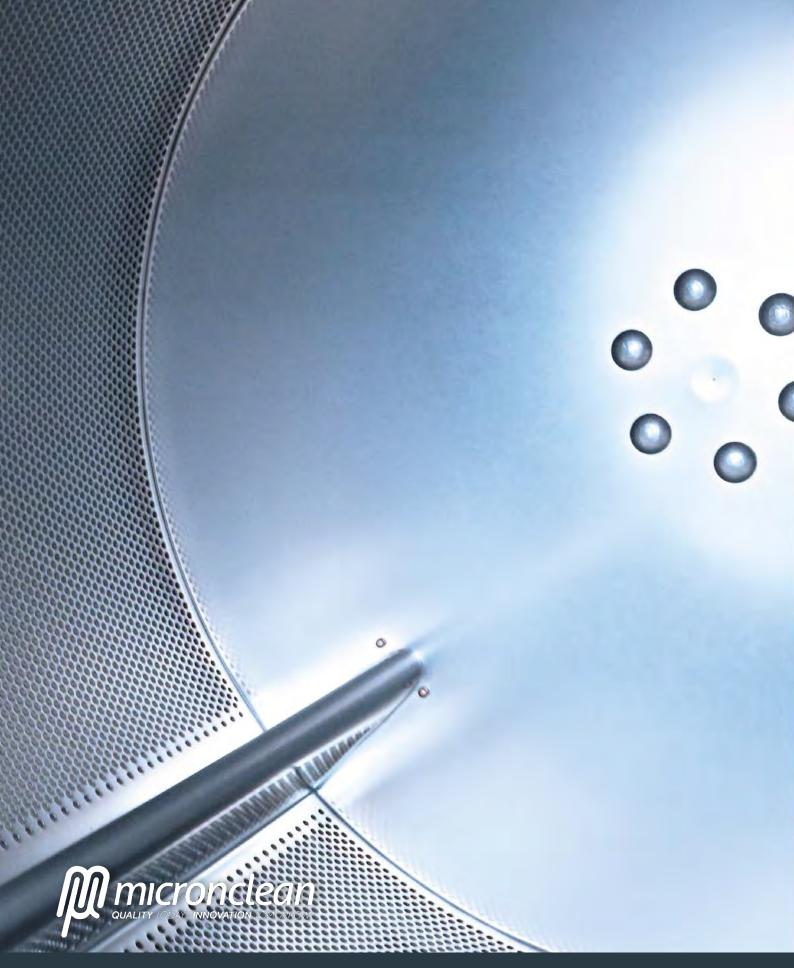






NOTES





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