



**CLEANROOM
CLEANING**



INTRODUCTION TO MICRONCLEAN

Micronclean are a well-established manufacturer and supplier of cleanroom products and services, supporting the life science industries since 1981.

Micronclean have led the way in garment processing for ISO4 / Grade B GMP environments for over 30 years. This offering has been extended through the manufacture and supply of a wide scope of products and accessories to support Cleanroom environments and operators on gowning, cleaning procedures and first aid.

The Micronclean portfolio of branded Cleanroom products provides a complete range of validated consumables for ISO4 to ISO8 environments as well as for support and laboratory areas.

In addition to this portfolio Micronclean have developed a number of specially tailored services to help customers achieve compliance in their controlled environments; one of the most called upon services being that of Cleanroom Cleaning.

The Micronclean Cleaning Team are a dedicated unit specially trained for environment decontamination. They have been maintaining controlled environments since 2001 and operate nationwide, serving a variety of clean industries. The service that they offer provides customers with:

1. **Assurance of environment compliance to GMP guidance and standards**
2. **Improved environment performance and reduced maintenance costs**
3. **An audit ready facility in time for external review & internal validation**
4. **Service reporting**
5. **Fully documented process for compliance with ISO9001 & 14001**

The Micronclean cleaning service is offered as a bespoke solution to customers; with each environment undergoing a free of charge, full survey prior to any clean. This attention to detail ensures that each and every clean undertaken meets the stringent standards that Micronclean and their customers demand, and that the service achieves the desired objectives it has been commissioned to meet.



INDUSTRIES SERVED

- PHARMACEUTICAL
- MEDICAL DEVICE
- HEALTHCARE
- SEMICONDUCTOR
- OPTICAL / LASER
- LABORATORY
- VETERINARY
- UNIVERSITIES

(Nano Sciences & Electronics)



CLEANING SERVICE

A FULLY TAILORED SERVICE

The Micronclean service is segmented into two distinct categories:

- > DECONTAMINATION CLEANS
- > ROUTINE CLEANS

Each of these services are fully tailored to the needs of the controlled environment and the exact customer requirement:



DECONTAMINATION CLEANS

This level of clean can be applied during or after any cleanroom construction or renovation project, following a major spill or within any environment that requires indepth and sustained attention; especially for soil removal and particulate build up.

It also applies to post-shutdown cleaning and any decontamination after planned and/ or emergency maintenance, and is especially useful prior to inspection, audit or validation.

The Decontamination Clean is specifically designed to remove heavy bioburden and large amounts of particulate, and to rapidly increase the performance and cleanliness of the controlled environment



ROUTINE CLEANS

This category of clean is carried out at a regular interval whether weekly, bi-weekly, monthly, bi-monthly etc., and can be carried out within your own time parameters or those established after consultation as being appropriate for your needs.

Regular cleans are designed to help maintain an already stable and fully functional facility. This type of clean is carried out in accordance with your own cleaning regime and methods and is designed to help maintain good practice within a cleanroom.

Cleaning can be carried out in accordance with your own gowning and transfer methodology and all our staff are highly trained to provide the best quality clean of your facility.



Micronclean can take over your daily routine cleans with a dedicated Cleanroom Cleaning team based on your site.

For more information, contact
cleanroomcleaning@micronclean.co.uk or call +44 (0)1754 767 377



SUPPORT SERVICES

TOTAL ASSURANCE, TOTAL COMPLIANCE

All cleaning services are fully supported by stringent quality assurance and validated documentation.



CLEANING PROCESS REVIEW

In addition to an initial free site survey Micronclean can perform a full cleaning audit, working with you to establish any weaknesses within your cleaning and maintenance process whilst helping to implement a programme of change to improve practices.

From materials and solutions used, regularity of cleaning, training of internal staff or supply of external staff, Micronclean provide analysis, recommendations and solutions to meet to any requirement.

Micronclean work with you to build a cleaning plan that meets GMP and regulatory requirements, whilst maximising procedural compliance by cleaning staff, and minimising impact upon production operations.



DOCUMENTATION

On completion of a site clean a Clean Record will be issued. The Clean Record contains a copy of the site Clean Plan, the results of pre- and post-clean environmental monitoring carried out, the batch information for all cleaning materials used and details of any deviations from the approved cleaning procedures, with a corrective action plan as appropriate.



QUALITY ASSURANCE CLEANING SOPs

For each clean carried out a Clean Plan will be drawn up for approval. This document includes site plans and defines the cleaning procedures and materials to be used. Creating site-specific plans in this way provides a defined work schedule and outlines clear expectations and outcomes. Micronclean operators work to Standard Operating Procedures (SOPs) and full training records are available for all staff.



TESTING

MICROBIOLOGICAL TESTING SERVICE (PRE/POST CLEAN)

Micronclean offer a range of microbiological testing in order to verify cleaning. Micronclean transport all samples to an independent microbiological laboratory for analysis. The laboratory is audited on a regular basis by UKAS & customers from cleanroom industries including pharmaceutical and biotechnology, ensuring test systems remain in line with current best practice.

AIR PARTICULATE TESTING

This service can be offered pre and post clean to analyse the impact of the cleaning service. This test uses disturbance methodology to analyse particle settlement as well as airborne particulate, and measures the count before and after, demonstrating the reduction and documenting the current room performance. Air particulate testing will also help to highlight whether your environment is meeting specification and if your filtration is performing.

Contact us to find out more about
Hydrogen Peroxide Fogging and
Cleanroom Validation Services



CLEANROOM CLEANING FAQs

1 | How do I contact the Cleanroom Cleaning department?

To book a no obligation survey please contact us on cleanroomcleaning@micronclean.co.uk or call +44 (0)1754 767 377

2 | Is Micronclean's Cleanroom Cleaning a tailored service?

Yes, we ensure that both Decontamination Cleans and Regular Cleans are fully tailored to the needs of the controlled environment and the exact customer requirement. In all cases the agreed requirement of the clean are captured in a site specific Clean Plan.

3 | Do you offer microbiological testing?

Depending on your requirements we can offer a range of microbiological testing in order to verify cleaning. All our cleanroom cleaning samples are sent to an independent microbiological laboratory for analysis. The laboratory is audited on a regular basis by UKAS and customers from cleanroom industries including pharmaceutical and biotechnology, ensuring its testing systems remain in line with current best practice.

4 | Have you heard of Hydrogen Peroxide Fogging?

Yes, we can provide you with information on innovative cleaning methods such as Hydrogen Peroxide Fogging – to find out more contact us at cleanroomcleaning@micronclean.co.uk

5 | Can you help with training?

Yes, many of our customers consult us on their training/methods and we assist them using our extensive knowledge of the products and procedures.

6 | Are your services appropriate for the Medical Device industry?

At Micronclean our Cleanroom Cleaning services are perfect for the Medical Device industry.

Other industries we often service include:

- Pharmaceutical
- Healthcare
- Semiconductor
- Optical/Laser
- Laboratory
- Veterinary
- Universities (Nano Sciences & Electronics)





STEWARDSHIP / KNOWLEDGE / **INNOVATION** / EXCELLENCE



CONSULT US ON YOUR
TRAINING/METHODS
AND WE CAN ASSIST YOU



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