



René Reusable™

Siren of Strength,  
Diva of Durability,  
the Antistatic Controller of  
Cleanroom Contamination

{ about }

# BioClean-R™ Reusable Garments

## Features & Benefits

Within the BioClean-R Reusable Garments Range there are endless combinations to suit all needs to provide protection with comfort. The garments are manufactured in our wholly-owned cleanroom garment manufacturing facility, giving the customer reassurance that we have complete control over the production and quality control of garments throughout the entire process. Each garment goes through a rigorous quality control inspection prior to being released for dispatch.

The BioClean-R Range is designed and manufactured from lightweight, non-linting monofilament polyester materials, suitable for use in either a sterile or non-sterile cleanroom environment.

Providing a full head-to-toe coverage solution in a variety of combinations, the range includes coveralls, hoods, overboots, lab coats, tunics and trousers. When sterilization is required we use materials compatible with gamma irradiation or autoclave.

Key benefits of the range

- Fabrics MT12, MT031 and MT811 are made from 100% monofilament polyester with a 5mm carbon grid woven into the material to provide antistatic properties.
- The fabrics have high filtration efficiencies to give excellent particle hold-out, and good moisture transmission properties for maximum comfort to the wearer.
- French seams used in construction enclose all raw edges to inhibit particle release.
- All studs and YKK zips used are made from stainless steel, for quality and reliability.
- Monofilament sewing threads are used throughout the construction of our garments.
- A wide range of sizes provides well-fitting garments for all wearers; bespoke garments are available to order.
- The fabrics and garments can withstand multiple autoclaving at 121°C, or gamma irradiation at 25kGy to 35kGy.
- The fabrics and garments can be laundered repeatedly, provided the specified washing instructions are followed.
- Sublimation print logos and names are available.

## FAQs

### What materials are the garments made from?

They are made from 100% monofilament polyester with a carbon grid woven into the material to provide antistatic properties.

### I have been told you should not have pockets on cleanroom garments; why is this?

Pockets are dust-traps and as such increase the risk of contamination getting into your cleanroom.

### How should the garments be cleaned? Can I take them home to wash?

Cleanroom garments should only be laundered by dedicated cleanroom laundries.

### Can I use my new reusable garments purchased from you straight away after I receive them?

No - the garments will not have been laundered. You will need to speak to your laundry provider and ensure they can provide the specialist service required to clean the garments to the correct standards.

### How do I know my garments have been cleaned correctly for use in the cleanroom?

Your specialist laundry provider will carry out particle and fibre counts on the washed garments to ensure they are within the acceptable limits of the test standard ASTM F51-00. A Certificate of Conformity will give you the assurance that the correct results have been achieved.

### What is Filtration Efficiency and why is it important?

The filtration efficiency is the fabric's ability to prevent particles from passing from one side of the material to the other. If you think of the fabric as a filter, it prevents particles from the wearer penetrating through the fabric and into the clean environment. The filtration efficiency is expressed as a percentage and essentially it is the percentage of particles of a given size that are prevented from getting through the fabric, so the higher the percentage, the greater the efficiency.