

## Micronclean Louth Facility



An ISO Class 6 Cleanroom garment processing facility, with decontamination to Class C of the ASTM 51/00 standard for garment particulate control. The facility at Louth is fully automated and provides highly detailed management information from the traceability of garments and processes. A key customer benefit of this level of control is the computer controlled 'sortation' of garments into customer defined order, e.g. by department and locker number.



### Critical process stages

This critical phase involves

- Thermal disinfection - Dept. of Health recommend 71 deg.C for 3 mins or 65 deg. C for 10 mins
- Soil removal
- Tumble drying or Tunnel-Finishing for particle removal and drying
- Garment conformance check - particle count - ASTM 51/00



### QA checks and repair options

The process includes:

- Each garment is visually inspected individually
- If damaged, garments may be repaired or replaced in accordance with customer criteria
- Information on garment damage is retained for analysis



- Following inspection garments are automatically folded and packaged whilst still in an ISO class 6 environment.
- Packaged garments are then stored in a logical sequence in the bulk storage area
- Garments are then transferred to the sortation area to be automatically collated (in accordance with customer's requirements)
- The garments are automatically packed into laundry bags ready for distribution along with computer-generated documentation.

## **Garment tracking and traceability**

Each item has individual transponder, which enables the following:

- Information on the number of wash cycles
- Location of the garment within the facility
- Flag specific garments for action by the laundry, for size changes, date/age of a garment, number of processes
- Full management information

## **Microbiology and quality assurance**

- Environmental monitoring to EU GMP recommendations
- Settle plates, contact plates, finger dabs
- Garment testing