



Our Class 100, glove washing cleanroom is certified to ISO 14644-1 and IES-RP-CC-006.2.



## » Superior Glove Class 100 Cleanroom Laundry

Within our Acton Ontario factory we have one of the cleanest spaces you are likely to come across. The air within the room is at the very least 10,000 times, yes ten thousand times, cleaner than the room you are in. And no we are not assuming you are in a real dirty area. The air within our homes, workplaces and even outdoors, is filled with tiny microscopic particles of dust, lint, pollen, smoke and bacteria. Country air may contain a million particles per cubic foot of air. City Air contains two to five times as many particles. We define particles as anything larger than .5 micron in size. To give you an idea of the size range we are talking about, the diameter of a human hair is 100 microns. Particles less than 20 microns (under normal lighting conditions) can't be seen with the naked eye.

To make our cleanroom, ultra clean, we constantly filter the air of over 99.99% of particles over .3 micron in size. There are 200 air changes per hour, within the room. Our employees wear our special cleanroom apparel when working in the cleanroom to avoid contaminating the cleanroom, as the largest source of microscopic contaminants within a cleanroom, is people. As individuals, we can shed millions of skin flakes and clothing fibres every minute.

Superior Glove cleanroom garments are made from special materials designed to prevent contaminating particles from getting into the cleanroom work area. Usually these are tightly woven fabrics using 100% polyester continuous filament thread, so tightly woven that the pores or voids between the weave are extremely small. Or they may be non-woven fabrics with even smaller pores, so small not even bacteria can pass through. This way, once you "suit up", particles and contaminants are kept in and not allowed to escape into the air of the cleanroom.

Our cleanroom garments are designed and constructed in such a way as to further control release of particulate contamination: double needle stitching to ensure complete seam closure, use of needles no larger than the threads that will fill the holes, overcasting of all cut edges (pre-serging), use of specially designed zippers which limit the number of particles passing through, and the elimination of pockets, belts and unnecessary tucks and gathers.

Besides Superior cleanroom coveralls, hoods and booties, our employees wear our Superior KeepKleen cleanroom gloves. Class 100 cleanroom, 12" latex gloves, which are long enough to be pulled over the coverall cuffs, are the glove of choice for our workers. Of course, we also make available to our employees our full line of KeepKleen, Class 100 cleanroom Nitrile and Vinyl gloves.



The water we use to wash our gloves in the cleanroom, is also ultra-pure, reverse osmosis water, filtered to .002 micron. By contrast, municipal tap water is only filter to 20 micron. All the gloves and cleanroom clothing we process, undergo 3 washes.

Inspection and packing is done on stainless steel tables. All the gloves we process are heat sealed in poly bags and double packed.

**Contact your local Superior Rep  
today and ask for details.**

Refer to our **Cleanroom Section (pgs. 119-124)** for our complete product line.

# 1-800-265-7617