

Water is *not* enough.

The Enertia™ Liquid CO₂+ Machine eliminates **99% of harmful toxins** while commercial extractors only clean the surface.



Liquid CO₂+ extracted toxin liquid from 'water washed' gear



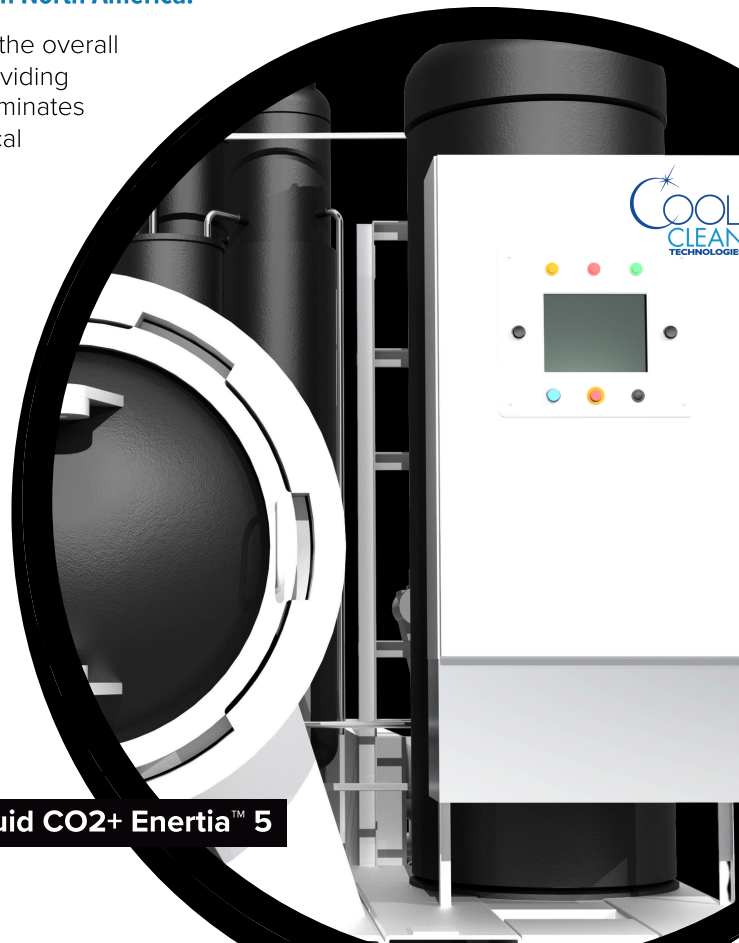
STATE-OF-THE-ART TURNOUT CLEANING SOLUTION

Cool Clean Technologies with Emergency Technical Decon (ETD) leads the charge in offering a dedicated approach to turnout cleaning never before available in North America.

Our patented Liquid CO₂+ cleaning process significantly extends the overall life of PPE compared to standard water-based cleaning, while providing complete decontamination of toxins. CO₂ cleaning technology eliminates the need for drying, minimizing energy use and lowering ecological impact. Services cover all PPE for public safety, healthcare, and emergency staff. Decontaminating PPE creates a safer work environment for your organization, keeps PPE performing effectively, and allows staff to carry out their essential duties.

NOT A WASHING MACHINE

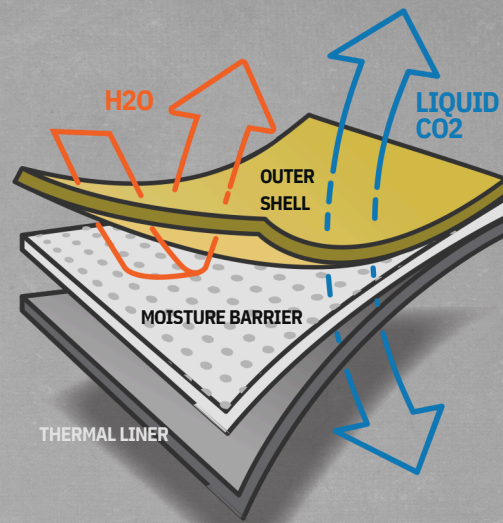
Through its partnership with Cool Clean, ETD provides first responders with a one-of-a-kind service that maximizes workplace safety. Cool Clean's patented cleaning process harnesses the power of liquid CO₂, using its low surface tension and viscosity to penetrate all layers of PPE, including waterproof ones. Each piece of PPE goes through a multi-rinse process, ensuring all contaminants are safely removed, and any liquid CO₂ used is filtered and recaptured for additional cleaning cycles. ETD's facilities are equipped with multiple liquid CO₂ machines to ensure the rapid processing of PPE.



Liquid CO₂+ Enertia™ 5

HOW TOXIC REMOVAL WORKS

The Enerbia™ process combines liquid CO₂ with environmentally friendly additives to effectively remove toxic organics, metals, and NFPA-specified biological markers in a single step. Where water cannot reach, liquid CO₂ penetrates all layers of PPE, capturing toxins at a molecular level and cleaning beyond the threads. At room temperature, the process uses a lower RPM basket rotation to provide an effective yet gentle cleaning system.



THE PROCESS IS QUICK AND EASY

ETD is a full-service ISP offering advanced cleaning, inspection, and repair to help departments exceed NFPA 1851-2020 standards and maintain optimal safety.



- 1. Cycle Start** - Contaminated gear is loaded into the cleaning vessel
- 2. Pre-wash** - Contaminated gear is submerged in our environmentally friendly, proprietary CoolCare™ solution. The cleaning vessel rotates slowly to optimize cleaning, effectively removing stains.
- 3. Drain** - The CoolCare™ solution is drained from the cleaning vessel into a still, where it is filtered and purified for reuse.
- 4. Decon** - Liquid CO₂ is added into the cleaning vessel, and multiple low-temperature rinse cycles remove toxins (SVOCs, PAHs, heavy metals, biologicals) and any residual solvent.
- 5. Liquid CO₂ Drain & Recovery** - Liquid CO₂ is drained from the cleaning vessel into a still, where it is separated from contaminants. 98% of CO₂ is recycled for the next batch of PPE.
- 6. Cycle Complete** - Fully decontaminated gear is removed clean and dry, ready for immediate use.



ECO-FRIENDLY

No water needed, recycled liquid CO₂, and safe contaminant disposal



TOXIN FREE

Removes toxins to undetectable levels



LONG LIFE

For the PPE and its users



COST EFFECTIVE

Competitive pricing with complete decontamination

Check out our website! →

