



- ✓ DRY ICE CLEANING
- ✓ INDUSTRIAL SURFACE PREPARATION
- ✓ ON-SITE SERVICE

sublimatetech.com

Dry Ice Cleaning for Automotive, Collision & Refinishing

Industry: Automotive, Collision Repair, Body Shops, Refinishing

Service Area: Central Indiana — Midwest

Company Snapshot

SUBLIMATE Technologies provides mobile dry ice blasting and specialty industrial cleaning for automotive shops that need equipment, spray booths, and production surfaces cleaned without abrasion, water, chemical solvents, or extended downtime. We clean in-place so your bays stay productive and your shop gets back to work faster. Our founder brings a background in federal environmental law enforcement and compliance consulting, ensuring every job meets the highest safety and regulatory standards.

The Automotive Challenge

Collision repair shops, body shops, and refinishing operations accumulate overspray, paint residue, adhesive buildup, sanding dust, weld spatter, and booth contamination that directly affect finish quality and cycle time. Traditional cleaning methods — solvent wipe-downs, pressure washing, and abrasive scrubbing — introduce moisture into booths, risk damaging masking and surfaces, create secondary waste streams, and require shops to shut down bays for extended periods. Dry ice blasting is a non-abrasive, dry, chemical-free process that removes contaminants in place while preserving booth integrity, fixture accuracy, and surface finishes.



Pain Points We Address



Paint Booth Contamination

Overspray, dust, and buildup in spray booths cause defects, rework, and color mismatch. Manual cleaning is slow, inconsistent, and often leaves residue that contaminates the next job.



Cycle Time Pressure

Every hour a bay is down for cleaning means lost revenue. Tear-down cleaning of booths, fixtures, and equipment extends turnaround times and delays scheduled jobs in the pipeline.



Fixture & Jig Accuracy

Frame equipment, alignment jigs, and welding fixtures accumulate spatter, adhesive, and coatings that compromise accuracy and contact surfaces, causing fit issues and downstream rework.



Solvent Exposure & VOCs

Body shops already face VOC exposure from coatings and refinishing. Adding solvent-based cleaners increases worker exposure, respiratory risk, and hazardous waste generation.



Weld & Adhesive Residue

MIG/MAG spatter, structural adhesive squeeze-out, and seam sealer overspray build up on fixtures, clamps, and work surfaces. Manual removal risks surface damage to tooling.



Waste Stream Compliance

Pressure washing creates contaminated wastewater. Solvent cleaning adds spent chemistry needing manifesting. Abrasive media requires disposal. All increase cost and regulatory burden.



High-Value Applications



01

Spray Booth Cleaning

Remove overspray, paint residue, and buildup from booth walls, floors, grates, air systems, and lights without moisture or solvents.

02

Frame & Structural Equipment

Clean frame benches, alignment fixtures, and measuring systems, removing spatter, adhesive, and coatings to restore accuracy.

03

Weld Cells & MIG Fixtures

Remove spatter, coatings, and residue from welding fixtures, clamps, and tables to restore surfaces and improve weld consistency.

04

Electrical Panels & Shop Controls

Clean electrical cabinets, compressor controls, PLCs, and ventilation under LOTO with no moisture introduced into systems.

05

Prep Stations & Mixing Rooms

Clean dust, filler residue, and overspray from prep stations, walls, and exhaust systems to reduce cross-contamination.

06

Underbody & Chassis Cleaning

Remove undercoating, grime, oil, and corrosion from vehicle underbodies for inspection, repair, or protective coating.

07

Paint & Coating Removal

Selective removal of failing paint, primer, and powder coat from panels and fixtures without affecting substrate or heat-sensitive parts.

08

Conveyor & Material Handling

Overhead conveyors, hangers, hooks, and transport systems cleared of buildup to prevent contamination transfer between units.

09

Facility Infrastructure

Overspray mist, grime, and airborne residue buildup eliminated from overhead steel, piping, ductwork, walls, and floors over time.

10

Shutdown & Deep Cleaning

Full facility cleaning during scheduled downtime, using clean-in-place methods to reduce booth tear-down and restore production faster.

The Business Case for Proactive Shop Cleaning

In collision repair and refinishing, the cost of contamination isn't abstract — it shows up in every rework ticket, every failed color match, and every bay-hour lost to cleaning downtime. Paint defects caused by booth contamination are among the highest-frequency rework categories in the industry, and the root cause is almost always deferred cleaning. A proactive cleaning program built around dry ice blasting addresses finish quality, cycle time, safety, and compliance simultaneously — without the secondary problems of traditional methods.

40–60%

Faster Booth Turnarounds

Shops using dry ice blasting for spray booth cleaning report 40–60% faster booth turnaround versus manual wipe-downs and solvent cleaning, with no dry time required.

Up to 30%

Less Paint Rework

Reducing particulate and overspray contamination in booth environments directly lowers defect rates, rework cycles, and material waste on refinishing jobs.

Zero

Secondary Waste

No wastewater, no spent solvent, no blast media to dispose of. The only residue is the contaminant itself — simplifying waste handling and eliminating disposal costs.

Workforce Impact: Cleaner Shops, Safer Techs

Automotive body shops carry significant chemical exposure risk from coatings, primers, hardeners, and solvents. Adding solvent-based cleaning products to that baseline increases VOC exposure, respiratory incident rates, and dermatitis claims. OSHA data identifies isocyanate exposure and chemical handling as top hazard categories in auto body operations.


Dry ice blasting eliminates the need for cleaning solvents entirely. The process is non-toxic, non-conductive, and produces no secondary airborne particulates. For shops managing OSHA recordable rates, workers' comp Experience Modification Rates (EMR), or I-CAR facility standards, integrating dry ice cleaning directly supports compliance and safety metrics.



Total Cost of Ownership: The Real Cost of Cleaning

Most shop managers evaluate cleaning on a per-event basis. But the real cost of any cleaning method includes labor, downtime, materials, waste disposal, compliance burden, and the impact on finish quality and equipment life. When you account for all cost drivers, dry ice blasting delivers the lowest total cost of ownership for automotive environments.

Hidden Cost Comparison

Cost Category	Manual / Chemical	Pressure Wash / Abrasive	Dry Ice Blasting
Direct Labor Hours	 High – manual wipe-downs, repeated	 Moderate – setup, masking, containment	 Low – single-pass, no masking needed
Material / Chemical Costs	 Ongoing – solvents, tack cloths, rags	 Moderate – media, water supply	 Dry ice only – sublimates on contact
Bay / Booth Downtime	 Extended – wipe + dry + re-mask	 Extended – wet process + dry-out	 Minimal – clean-in-place, no dry time
Secondary Waste Disposal	 Hazmat – spent solvent manifesting	 Wastewater – treatment or hauling	 None – zero secondary waste
Surface / Finish Risk	 Moderate – solvent reactions	 High – abrasion, pressure damage	 None – non-abrasive, tunable
Regulatory Compliance	 High – VOC reporting, haz waste	 Moderate – discharge permits	 Low – no permits, no waste streams
PPE / Exposure Burden	 Respiratory + chemical PPE	 Hearing + respiratory PPE	 Standard PPE + CO ₂ monitoring

The Real Question Isn't What Cleaning Costs — It's What Dirty Equipment Costs

When overspray buildup in a booth air system causes a contamination defect that requires a full sand-back and reshoot, the cost isn't the cleaning you skipped – it's the \$800 in wasted materials, the four hours of lost bay time, and the delayed vehicle delivery that affects your CSI score. When a fixture alignment drifts because of spatter buildup and a structural repair fails QC, the cost isn't cleaning – it's the teardown, the rework, and the insurance supplement fight. Dry ice blasting isn't a cleaning expense. It's a quality and throughput investment.

Ready to see what clean-in-place service looks like for your operation?

Contact us for a no-obligation site assessment and scope of work.

317-894-3004 | oware@sublimatetech.com | sublimatetech.com

Regulatory & Operational Comparison

Benefits	Dry Ice	Trad. Cleaning
No solvent chemistry introduced into booth environments; reduced VOC exposure	✓	✗
No wastewater generation; eliminates discharge and containment requirements	✓	✗
No secondary blast media to characterize or dispose of	✓	✗
Non-abrasive: preserves booth surfaces, fixture accuracy, and substrate profiles	✓	✗
Clean-in-place capability – no tear-down of booths or equipment required	✓	✗
Safe for electrical systems, compressor controls, and ventilation components	✓	✗
Supports I-CAR facility standards, OEM certification programs, and audit readiness	✓	✗
No drying time – bay ready for production immediately after cleaning	✓	✗

EPA, FDA & USDA Accepted

Dry ice blasting uses recycled CO² and is recognized as an approved cleaning media by EPA, FDA, and USDA. It introduces no chemicals, no water, and no secondary contaminants into your shop environment.

Safety & Credentials



Fully Insured

General liability + workers' comp coverage



LOTO Certified

Lockout/tagout trained operators



CO₂ Monitoring

Real-time atmospheric monitoring on every job



Site-Specific JSAs

Customized Job Safety Analysis for each project

What Sets **SUBLIMATE** Apart



Single-Source Accountability

One crew, one process, and one dedicated point of contact throughout the entire project. No subcontracted layers or coordination gaps between you and the work being carried out on site.



Zero Secondary Waste

No blast media to sweep up, no wash water to treat, no spent chemistry to dispose of. The only residue is the removed contaminant itself — simplifying waste handling and disposal.



Full Documentation Standard

Every job includes before/after photo records, written scope completion notes, and JSA documentation — ready for your quality audits, ISO records, and maintenance logs.



Built for Production Schedules

We mobilize within your scheduled maintenance windows and clean in-place so equipment stays on the production floor. No degreasing bays, no soak tanks, no extended dry times.



Tunable, Surface-Safe Process

We adjust pressure, media flow rate, and nozzle selection to match each substrate — from hardened tool steel to delicate machined surfaces, coatings, and plated finishes.



Trained, Insured & Site-Ready

Our operators carry their own PPE, follow your LOTO and EHS protocols, and arrive with CO² monitoring and containment plans already prepared. We integrate into your safety culture.

Sublimate Technologies Core Philosophy

Sublimate Technologies was founded on a simple principle: deliver results that exceed expectations, every single time. Our founder's background in federal service and environmental consulting instilled a standard of precision, accountability, and professionalism that runs through everything we do. We've invested heavily in best-in-class technology. But equipment alone doesn't set us apart. What makes Sublimate different is how we work. We take the time to understand each client's operation, and build lasting partnerships rooted in trust and consistent performance.

Common Equipment We Clean:

Motors • Generators • Turbines • Compressors • Pumps • Gearboxes • Heat Exchangers • Boiler Tubes • Condensers • Valve Assemblies • Hydraulic Units • Press Beds • Conveyor Systems • Weld Fixtures • Robotic Cells • Injection Molds • Ovens • Kilns • Switchgear • Transformers • MCC buckets • VFDs • Control Panels • Cable Trays • Tank Internals •

Core Capabilities



Non-abrasive, dry cleaning
(clean-in-place)



Detail cleaning for sensitive surfaces
& precision tooling



Electrical and controls cleaning under
LOTO protocols



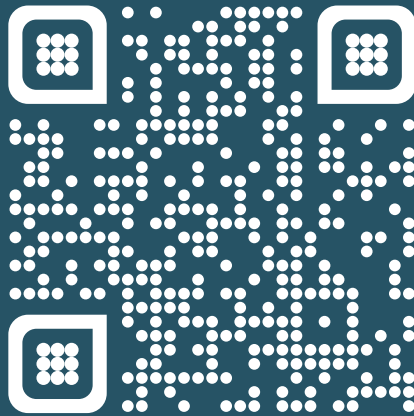
Shutdown/outage support and
rapid turnarounds



Containment, debris capture,
and full documentation



Mold, die & fixture cleaning
without disassembly



Company Data

Legal Name: Sublimate Technologies LLC

Address: 3414 Glacier Dr. Monrovia, IN

POC: Oliver Ware — Director of Operations

Phone: 317-894-3004

Email: oware@sublimatech.com

Website: www.sublimatech.com

Insurance: General Liability + Workers' Comp

How It Works



Contact us with your cleaning challenge — what equipment, what contaminant, what timeline.



We provide a scope and quote, typically within 24–48 hours.



We mobilize to your facility with our own equipment, dry ice, compressor, and PPE.



We clean in-place during your scheduled window — your equipment stays on the floor.



You receive before/after documentation and scope completion notes for your records.