Nu-Ice Blasting? Advances Dry Ice Auto Restoration with Eco-Friendly Undercarriage Rust Removal

March 03, 2026

JACKSON, MI - March 03, 2026 - PRESSADVANTAGE -

Nu-Ice Blasting?, a U.S.-based, veteran-owned manufacturer of dry ice blasting equipment, has announced expanded capabilities for safely removing surface rust and road grime without damaging underlying materials. By utilizing compressed carbon dioxide pellets, this non-abrasive industrial cleaning method provides an eco-friendly alternative to traditional abrasive techniques, eliminating harmful secondary waste. As industries increasingly prioritize sustainable maintenance solutions, utilizing dry ice blasting undercarriage applications offers an effective, residue-free approach specifically suited for delicate mechanical components, heavy-duty commercial vehicles, and historic automotive restorations.

The core technology relies on accelerating solid carbon dioxide pellets through a pressurized airstream to impact targeted surfaces. Upon impact, the pellets undergo sublimation, transferring kinetic energy to dislodge contaminants without altering the underlying substrate. These systems are strictly manually operated by trained users and rely entirely on operator-controlled processes to dictate cleaning intensity and coverage. The equipment features no automation, no real-time optimization capabilities, and no autonomous functions. It is designed for direct operation by personnel in industrial facilities, dedicated maintenance teams, and restoration professionals requiring precise, manual control.

The Commando® series of dry ice blasters incorporates mechanical features designed to support precise and controlled surface cleaning. Core components include adjustable blast pressure regulators and controlled pellet feed systems, such as the patented BlitzFeed® freezeless delivery mechanism, which maintains a consistent flow of media. The equipment is paired with specifically engineered hoses and a variety of precision nozzles to address different structural geometries. These integrated mechanical features enable strict repeatability and controlled media application across complex machine assemblies and delicate structural sections.

Within structured maintenance operations, this equipment facilitates direct, in-place cleaning processes for complex mechanical assemblies. By eliminating the introduction of secondary media, the technology supports workflows that require a reduced need for equipment disassembly prior to maintenance. This operational integration minimizes the logistical steps required to address accumulated contaminants during standard service cycles. For example, when executing dry ice rust removal car procedures, technicians can clear exterior layers of oxidation and compacted debris without needing to strip the vehicle chassis or dismantle surrounding intact components.

The manual application of carbon dioxide pellets is utilized across multiple specialized sectors requiring non-abrasive surface cleaning. Typical applications involve the removal of production residues from heavy manufacturing equipment and sanitization processes within food and beverage facilities. The technique is regularly applied to intricate automotive components and precision-machined aerospace components. Furthermore, it serves as a standard process for clearing debris from sensitive electrical systems and is widely deployed in structural rehabilitation efforts, particularly for fire and smoke restoration where moisture-free material removal is strictly required.

The functionality of Nu-Ice Blasting? equipment remains strictly confined to manual surface preparation. The mechanical units contain no autonomous operation capabilities and perform no real-time decision-making during use. They are incapable of the independent execution of maintenance actions and do not integrate with digital networks for monitoring or facility management functions. All operational parameters must be directly guided by the attending technician.

Nu-Ice Age, Inc. maintains U.S.-based manufacturing operations headquartered in Jackson, Michigan. Operating under a veteran-owned company status, the organization relies on internal engineering and production capabilities to assemble the Commando® line of industrial blasters. The company?s infrastructure supports the fabrication of mechanical components used across various rigorous applications, spanning from heavy industrial maintenance to specialized dry ice auto restoration. All assembly and design operations are

conducted domestically to support established industrial supply chains.

Nu-Ice Blasting? maintains a continued focus on the engineering and production of industrial dry ice blasting equipment. The company's organizational trajectory involves the ongoing engineering refinement of its mechanical delivery systems, such as its proprietary freezeless hopper designs and precision nozzle attachments. Future operations will center on continued equipment development to support standard manufacturing sectors alongside expanded industrial applications. The company remains dedicated to supplying manually operated, non-abrasive surface preparation systems for commercial maintenance, heavy industry, and professional restoration markets.

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Nu-Ice Dry Ice Blasting

Nu-Ice Age, Inc. is a veteran owned company based in Jackson, Michigan founded in 2007. After extensive research, design and testing we have developed a line of high-performance dry ice blasting machines for an environmentally friendly cleaning solution.

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