



Using the Commando XP for Precision Industrial Cleaning Applications

July 31, 2026

JACKSON, MI - July 31, 2026 -

Nu-Ice Dry Ice Blasting® has announced continued emphasis on expanding Commando XP applications for industrial environments where cleaning consistency, surface protection, and precise process control are essential. As a U.S.-based, veteran-owned manufacturer of dry ice blasting equipment, the company develops American-made systems that use dry ice pellets in a non-abrasive industrial cleaning process to remove contaminants without damaging underlying surfaces. The growing demand for repeatable cleaning in sensitive manufacturing environments is increasing interest in precision-focused dry ice blasting solutions across multiple industries.

The Commando® XP supports precision industrial cleaning by accelerating solid carbon dioxide (CO₂) pellets through a controlled stream of compressed air to remove contaminants from equipment and surfaces. The system is manually operated, allowing trained personnel to regulate blasting pressure, pellet feed rate, nozzle selection, and cleaning direction according to application requirements. Intended users include industrial facilities, maintenance teams, and restoration professionals performing routine equipment cleaning and surface preparation across manufacturing and processing environments. The equipment does not incorporate automation, autonomous cleaning functions, or real-time optimization capabilities. Instead, all

operating adjustments remain under direct operator control throughout the cleaning process, enabling users to adapt blasting parameters to the condition of the surface and the requirements of each task.

The Commando® XP incorporates a range of equipment features designed to support controlled industrial cleaning operations. Its control panel allows operators to adjust blasting pressure and pellet feed rate independently, enabling application-specific settings before and during cleaning. The machine uses the company's BlitzFeed® freezeless dry ice delivery system to maintain pellet flow and includes a pellet fragmenter for applications requiring smaller dry ice particles on delicate surfaces. The system is supplied with engineered blasting hoses, a blasting gun equipped with integrated safety controls, and multiple precision nozzles offering different flow capacities for varied cleaning requirements. These components enable operators to configure the equipment for consistent cleaning across complex geometries, hard-to-reach areas, and surfaces requiring controlled treatment while maintaining repeatable operating parameters throughout the cleaning process.

Within industrial maintenance programs, the Commando® XP is used as part of structured cleaning workflows where equipment must be serviced while minimizing disruption to production processes. The system supports clean-in-place maintenance by allowing operators to clean selected production equipment without routine disassembly, making it suitable for facilities that incorporate scheduled maintenance intervals. Applications in plastics manufacturing, food and beverage processing, and medical device production often require precision dry ice blasting where cleaning consistency and surface protection are important considerations. Operators determine blasting pressure, pellet feed, nozzle selection, and cleaning technique according to the equipment being serviced and established maintenance procedures. This operational approach positions the system as a manually controlled cleaning tool within broader industrial maintenance programs rather than an automated cleaning solution.

The Commando® XP is designed for precision cleaning applications across a range of industrial sectors where controlled dry ice blasting is incorporated into established maintenance procedures. According to Nu-Ice Dry Ice Blasting®, the equipment is used in plastics manufacturing, food and beverage processing, and medical device manufacturing, with additional dry ice blasting applications extending to automotive components, aerospace components, electrical equipment, production machinery, and fire and smoke restoration projects. The system is also applied to injection molds, blow molds, compression molds, production equipment refurbishment, engine compartments, sensitive electrical controls, and components with complex geometries or hard-to-reach areas. These represent typical industrial cleaning applications in which operators manually select blasting parameters based on the equipment, surface condition, and maintenance requirements of the specific task.

The Commando® XP functions as a manually operated industrial cleaning system and does not incorporate autonomous operation or automated maintenance capabilities. All blasting activities are performed by trained

operators, who remain responsible for selecting blasting pressure, pellet feed rate, nozzle configuration, and cleaning technique throughout the process. The equipment does not perform real-time decision-making, independent execution of maintenance actions, predictive diagnostics, or process monitoring. It is not designed to manage facility operations, supervise production equipment, or determine cleaning schedules without operator input. Instead, the system serves as a dry ice blasting tool that is integrated into existing maintenance procedures under direct human control. Equipment configuration, operation, and maintenance remain dependent on personnel following established operational practices and manufacturer guidance.

Nu-Ice Dry Ice Blasting? manufactures its Commando® product line in the United States and operates as a veteran-owned company based in Jackson, Michigan. The company states that its dry ice blasting machines and accessories are designed, engineered, and produced internally following research, product development, and testing activities conducted by its engineering team. This in-house approach supports the continued refinement of equipment, accessories, and related system components across the Commando® product range. The company's manufacturing operations also include the development of proprietary technologies such as the BlitzFeed® dry ice delivery system and supporting accessories used with its industrial cleaning equipment. These activities reflect an ongoing focus on engineering, production, and product development within the company's U.S.-based manufacturing operations.

Nu-Ice Dry Ice Blasting? continues to expand its portfolio of dry ice blasting systems to address industrial cleaning requirements across manufacturing, processing, restoration, and maintenance environments. The Commando® XP represents one example of the company's ongoing development of equipment intended for applications where controlled cleaning processes and surface protection are important operational considerations. As industrial users continue incorporating dry ice blasting into scheduled maintenance activities, the company maintains its focus on engineering refinements, equipment design, and application-specific system development. These efforts support the continued evolution of the Commando® product line while broadening the range of industrial environments in which dry ice blasting equipment is applied. The company's published product information indicates continued attention to equipment functionality, operator control, and practical industrial cleaning applications.

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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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