



Nu-Ice Blasting Advances the Dry Ice Blasting Process for Printing Press Maintenance

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Nu-Ice Dry Ice Blasting®, a U.S.-based, veteran-owned manufacturer of industrial dry ice blasting equipment, has reinforced its role in precision industrial cleaning by emphasizing the application of its technology in printing press maintenance. As production facilities seek more efficient methods to manage ink buildup, paper residue, and operational contaminants, dry ice blasting printing methodologies continue to emerge as a non-abrasive alternative to conventional cleaning approaches. The method supports maintenance processes that avoid moisture and secondary waste while helping preserve the integrity of sensitive press components. This development reflects broader industry interest in streamlined, in-place cleaning solutions across high-output printing environments.

Dry ice blasting is an industrial cleaning process that utilizes solid carbon dioxide (CO₂) pellets accelerated through a high-pressure stream of compressed air. Upon impact with a target surface, the pellets sublimate—transitioning directly from solid to gas—loosening and lifting contaminants without damaging underlying materials. Because the dry ice dissipates completely, the process does not generate secondary waste, reducing the need for additional cleanup procedures. This dry, non-abrasive method is widely used in applications where traditional abrasive or liquid-based cleaning may be unsuitable, particularly across

machinery, production systems, and complex industrial assemblies.

Nu-Ice Dry Ice Blasting? equipment is designed for operator-controlled use, allowing trained personnel to adjust blast pressure and media flow based on specific cleaning requirements. This flexibility supports targeted cleaning across intricate equipment surfaces, including those found in commercial printing systems. Maintenance teams can address residue accumulation in difficult-to-reach areas while performing cleaning directly on the production floor. By enabling in-place maintenance without extensive disassembly, the technology supports structured servicing workflows in environments where minimizing downtime is critical to maintaining consistent production operations.

The Commando® series serves as a central component of the Nu-Ice Dry Ice Blasting? equipment line, incorporating mechanical systems engineered for controlled and consistent industrial performance. Key features include adjustable blast pressure regulators, which allow operators to adapt cleaning intensity to different substrate tolerances. The systems also utilize controlled pellet feed mechanisms, including the proprietary Freezeless Hopper?, designed to maintain steady media delivery during operation. Supported by specialized hoses and nozzle configurations, these components enable precise application of dry ice media across varied surfaces. Within the broader dry ice blasting process, these integrated components work together to support consistent cleaning coverage and controlled operational performance across industrial environments.

Integration of dry ice blasting into existing maintenance workflows supports a more efficient approach to servicing industrial equipment. The process allows for direct, in-place cleaning of machinery, reducing the need for teardown and minimizing disruption to production schedules. Because the CO₂ media sublimates upon impact, facilities can conduct cleaning without introducing water or chemical agents, simplifying post-cleanup procedures. This operational model aligns with the logistical demands of industrial environments, where maintenance efficiency, accessibility, and process continuity are key considerations in managing large-scale equipment systems.

Beyond printing applications, Nu-Ice Dry Ice Blasting? technology is utilized across a wide range of industries requiring effective residue removal and surface preparation. These include manufacturing, food and beverage processing, automotive production, aerospace components, and electrical equipment maintenance. The technology is also applied in restoration environments, such as fire and smoke remediation, where dry, non-abrasive cleaning methods are required. By supporting diverse industrial use cases, the equipment provides a consistent approach to addressing contamination and buildup across complex operational settings.

Headquartered in Jackson, Michigan, Nu-Ice Dry Ice Blasting? maintains its primary manufacturing operations in the United States. As a veteran-owned organization, the company focuses on the domestic

engineering and production of industrial dry ice blasting equipment to support established supply chains and maintenance sectors. Its equipment portfolio includes systems developed for facilities seeking a dry ice blaster for sale that supports controlled, non-abrasive cleaning applications. These solutions are designed to meet the operational requirements of industrial environments where precision, consistency, and equipment integrity are essential.

Nu-Ice Dry Ice Blasting? continues to focus on the advancement of its mechanical delivery systems, precision nozzles, and material handling components to support evolving industrial cleaning applications. Through ongoing equipment development, the company aims to address the technical requirements of facilities managing increasingly complex maintenance workflows. By maintaining a focus on engineered cleaning systems and operator-controlled performance, the organization supports industrial operations requiring consistent, dry, and efficient surface preparation methods across global 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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