



## **Understanding Dry Ice Blasting: Equipment, Process, and Industrial Use**

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Nu-Ice Dry Ice Blasting, a veteran-owned industrial equipment manufacturer headquartered in Jackson, Michigan, has introduced a formal educational initiative outlining the fundamentals of dry ice blasting for industrial operators and maintenance teams. The company states the overview is intended to clarify what is dry ice blasting within operational environments where non-abrasive cleaning methods are increasingly being evaluated. By defining the dry ice blasting method and its appropriate industrial applications, Nu-Ice positions the publication as part of its broader effort to support informed equipment selection across manufacturing, food processing, and restoration sectors.

As part of its newly published technical guidance, Nu-Ice Dry Ice Blasting outlined how its systems operate by accelerating solid carbon dioxide (CO<sub>2</sub>) pellets through a regulated compressed air stream toward targeted surfaces. According to the company, the pellets convert from solid to gas upon impact, assisting in contaminant removal without introducing moisture or chemical solvents. The guidance emphasizes that the equipment is manually operated by trained personnel who control air pressure, pellet feed rate, and nozzle direction. The systems do not incorporate automation, autonomous functions, or real-time optimization, with all process variables remaining operator managed.

Across industrial settings, the dry ice blasting method is commonly evaluated for applications including production equipment cleaning, surface preparation, restoration projects, and maintenance in regulated environments such as food processing facilities. By clarifying what is dry ice blasting within these operational contexts, Nu-Ice Dry Ice Blasting positions the technology as a process-driven cleaning alternative where moisture introduction or abrasive media may not be suitable. The company notes that adoption decisions typically depend on site-specific requirements, available compressed air infrastructure, and operator training considerations.

Within the published guidance, Nu-Ice Dry Ice Blasting details how the equipment is incorporated into structured industrial cleaning workflows. The company explains that the dry ice blasting method can be applied in place on installed machinery, reducing the need for full equipment disassembly in certain maintenance scenarios. The overview positions the technology within routine plant maintenance programs where controlled, non-abrasive cleaning is required. Operational planning remains dependent on site-specific safety procedures, compressed air availability, and trained personnel oversight.

The technical overview identifies a range of industrial environments where the equipment is deployed. These include manufacturing facilities for machinery and tooling maintenance, food and beverage plants requiring non-moisture cleaning approaches, automotive component production lines, aerospace parts processing, and electrical equipment maintenance. The company also references fire and smoke restoration projects as part of broader surface cleaning applications. The equipment is presented within the context of industrial surface preparation and contaminant removal processes across regulated and high-precision sectors.

As part of its technical clarification, Nu-Ice Dry Ice Blasting underscores that its equipment is designed as manually operated industrial machinery. The systems do not incorporate autonomous functionality, real-time process adjustment, or independent execution of maintenance tasks. They do not provide monitoring, diagnostic reporting, or facility management capabilities. All operational variables – including blast pressure and pellet feed – remain directly controlled by trained personnel in accordance with site-specific maintenance procedures.

Nu-Ice Dry Ice Blasting operates as a U.S.-based, veteran-owned manufacturer headquartered in Jackson, Michigan, where it maintains engineering and production operations. The company designs and manufactures its equipment domestically, supporting in-house fabrication, assembly, and product development. Through this internal infrastructure, Nu-Ice develops systems built around the dry ice blasting method, aligning equipment manufacturing with industrial cleaning requirements across regulated and precision-focused sectors.

Nu-Ice Dry Ice Blasting states that it will continue concentrating on the engineering and manufacturing of industrial dry ice blasting equipment at its Jackson, Michigan facility. The company's focus remains on refining system design, supporting operator-controlled functionality, and expanding equipment configurations suited to diverse industrial environments. As adoption of non-abrasive cleaning technologies evolves across regulated sectors, Nu-Ice indicates that ongoing product development efforts will remain aligned with established industrial maintenance requirements and domestic manufacturing operations.

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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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