



Why Large Manufacturing Facilities Choose the Commando 80 Dry Ice Blaster

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Nu-Ice Dry Ice Blasting? has highlighted the role of the Commando 80 Dry Ice Blaster in supporting large manufacturing facilities during heavy equipment cleaning, scheduled shutdown maintenance, and broader facility-wide cleaning programs. The U.S.-based, veteran-owned manufacturer develops dry ice blasting equipment in Jackson, Michigan, for industrial and commercial cleaning applications. Dry ice blasting is a non-abrasive cleaning method that uses compressed air to propel solid carbon dioxide pellets at contaminated surfaces, where the pellets sublime on impact and help remove production residue and other buildup. As production plants seek to limit downtime and clean machinery in place, Commando 80 applications are increasingly relevant to extended cleaning operations requiring greater dry ice capacity and sustained blasting performance.

Dry ice blasting systems use compressed air to accelerate solid carbon dioxide pellets through a blasting hose and nozzle toward a contaminated surface. On impact, the pellets transfer kinetic and thermal energy before sublimating from solid CO₂ into gas, leaving removed material to be collected. Nu-Ice materials describe the equipment as user-directed machinery controlled through the blasting gun and machine settings. Trained operators select pressure, regulate pellet flow, position the nozzle, and manage the cleaning path.

Intended users include industrial facilities, maintenance teams, cleaning contractors, and restoration professionals. The Commando 80 is not presented as an automated cleaning platform and does not provide real-time optimization. Adjustments, safety checks, cleaning sequences, and surface coverage remain controlled by the operator throughout the job.

The Commando 80 combines adjustable blast-pressure controls with Nu-Ice's BlitzFeed® dry ice delivery system, which uses a removable 80-pound spun stainless-steel hopper and built-in vibration to support consistent pellet movement. The machine is supplied with a 25-foot, three-quarter-inch blasting hose with a control cable and a 50-foot heavy-duty air-supply hose. Its blasting gun includes a pistol-grip handle, push-button safety, and LED light, while the standard package includes one round nozzle, one fan nozzle, a nozzle extension, and a twist-grip handle. Together, these components allow operators to regulate blasting intensity, direct pellet flow, and select a nozzle pattern suited to the surface and contaminant. Repeatability depends on maintaining established pressure, feed, nozzle, distance, and movement settings across the cleaning sequence, with surface treatment remaining under direct operator control.

Within large production plants, the Commando 80 can be incorporated into planned shutdown work, preventive maintenance schedules, and facility-wide cleaning programs involving production machinery, molds, presses, conveyors, packaging equipment, paint booths, ventilation systems, and other industrial assets identified in Nu-Ice application materials. Dry ice blasting can be performed as an in-place cleaning process, allowing maintenance personnel to address accessible surfaces and components without routinely dismantling complete assemblies. This can reduce the amount of disassembly required before cleaning, although access, guarding, lockout procedures, and equipment condition still determine how each job is organized. For manufacturing facility cleaning, the system can be assigned to structured work areas during shutdowns or used for defined maintenance tasks between production periods. Operators remain responsible for setup, hose routing, pressure and pellet-feed adjustments, nozzle selection, surface coverage, and collection of material removed from equipment.

Nu-Ice identifies dry ice blasting applications across manufacturing, food and beverage processing, automotive production and repair, aerospace maintenance, electronics, power generation, packaging, plastics, and restoration work. Within manufacturing environments, listed applications include production equipment, welding cells, molds, foundries, paint booths, ventilation systems, printing presses, bottling lines, and packaging machinery. Food-related uses include processing and production equipment, meat-processing facilities, conveyors, sorters, and related machinery. Automotive applications cover parts, molds, dies, production equipment, and restoration work, while aerospace uses include aircraft engines, landing gear, and other components. The company also lists electrical and power-generation equipment, including transformers, substations, wind turbines, and generators. Restoration applications include fire-damage cleanup, mold remediation, graffiti removal, historical restoration, monuments, buildings, and other surfaces requiring operator-directed cleaning.

The Commando 80 operates as a manually controlled dry ice blasting machine rather than an autonomous maintenance system. Nu-Ice describes a control panel through which the operator adjusts blasting pressure, ice flow, and emergency functions, together with a hand-held blasting gun used to direct pellets toward the selected surface. The equipment does not independently inspect machinery, determine cleaning requirements, modify operating parameters in real time, or execute maintenance actions without user input. It is also not presented as a monitoring, facility-management, production-control, or predictive-maintenance platform. Trained personnel remain responsible for preparing the work area, connecting the required air supply, loading dry ice, selecting and positioning nozzles, controlling the blasting path, observing surface conditions, and stopping or adjusting the process when required. Broader maintenance decisions remain outside the machine's stated operating scope.

Nu-Ice Dry Ice Blasting is a family- and veteran-owned company based in Jackson, Michigan. The company states that its dry ice blasting machines and accessories are made in the United States and references an assembly facility supporting its equipment operations. Its published materials also describe research, design, and testing activities used in developing the Commando® equipment line and the BlitzFeed® dry ice delivery system. The company's product infrastructure includes dry ice blasting machines, blasting guns, engineered nozzles, blasting and air-supply hoses, machine accessories, aftercooling equipment, and related air-compressor options. Within that portfolio, the Commando 80 represents industrial dry ice blasting equipment intended for commercial and industrial cleaning assignments requiring an 80-pound hopper, increased airflow capacity, adjustable operating controls, and extended blasting periods. Nu-Ice also provides operating literature, equipment registration, demonstrations, replacement components, and product-support channels.

Nu-Ice Dry Ice Blasting continues to position the Commando 80 within its broader focus on industrial dry ice blasting equipment for manufacturing plants, production environments, restoration work, and other commercial maintenance settings. The company's published materials reference ongoing research, design, testing, and refinement across the Commando® equipment line, including dry ice delivery systems, blasting controls, hoses, guns, nozzles, and supporting accessories. As large facilities organize shutdown maintenance, heavy-equipment cleaning, and facility-wide cleaning programs, the Commando 80 remains directed toward extended, operator-controlled blasting assignments requiring higher pellet capacity and increased airflow. Nu-Ice's forward development remains centered on refining its equipment portfolio and supporting a wider range of documented industrial applications, while maintaining the manually operated structure and established technical scope of its dry ice blasting systems.

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For more information about Nu-Ice Dry Ice Blasting, contact the company here:[Nu-Ice Dry Ice Blasting](#)Brent

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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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