



# COLD HARD FACTS



**PACKAGING INDUSTRY**  
DRY ICE BLASTING

ARTICLE

## WHY DRY ICE BLASTING?

This paper explores the numerous advantages of dry ice blasting in the packaging industry. As a fast, efficient, and eco-friendly cleaning solution, dry ice blasting offers unparalleled benefits in the removal of adhesive, ink, tape, labels, and residue from packaging equipment. By replacing traditional cleaning methods with dry ice blasting, packaging companies can enhance productivity, optimize equipment performance, reduce downtime, and meet sustainability goals.





▪ **Speed and Efficiency**

Dry ice blasting enables rapid cleaning of packaging equipment, minimizing production interruptions and downtime. The high-velocity dry ice pellets efficiently dislodge and remove adhesive, ink, tape, labels, and residue from surfaces, resulting in shorter cleaning cycles and improved operational efficiency.



▪ **Non-Abrasive and Non-Destructive**

Packaging equipment, such as conveyors, printers, and labeling machines, often feature delicate surfaces that require gentle cleaning. Dry ice blasting's non-abrasive nature ensures that the equipment is cleaned without causing damage or wear. It preserves the integrity of the machinery, reducing maintenance costs and prolonging equipment lifespan.



▪ **Eco-Friendly and Chemical-Free**

Sustainability is a growing concern in the packaging industry. Dry ice blasting aligns with eco-friendly practices as it utilizes solid CO2 pellets, which sublime upon impact, leaving no secondary waste or residue. This eliminates the need for harsh chemicals, solvents, or water, reducing environmental impact and enhancing workplace safety.



▪ **Versatility**

Dry ice blasting is highly versatile and can be used on a wide range of packaging equipment materials, including stainless steel, plastics, aluminum, and more. It effectively removes adhesive, ink, tape, labels, and residue from different surfaces, ensuring thorough and consistent cleaning results.



▪ **Improved Equipment Performance and Product Quality**

Residue buildup and contaminants on packaging equipment can negatively impact its performance, resulting in operational inefficiencies and compromised product quality. Dry ice blasting removes these contaminants, restoring equipment to its optimal state. Clean equipment leads to improved productivity, reduced downtime, and enhanced product quality, satisfying customer expectations and reducing waste.



▪ **Safety**

The packaging industry often involves handling equipment with moving parts and high-speed operations. Clean equipment reduces the risk of accidents caused by residue or adhesive buildup. Dry ice blasting eliminates these hazards, ensuring a safe working environment for employees.



▪ **Cost Savings**

By replacing manual cleaning or chemical-based methods, dry ice blasting can lead to substantial cost savings for packaging companies. The reduction in labor hours, minimized equipment downtime, and decreased reliance on chemicals or solvents all contribute to overall cost efficiencies.

In summary, dry ice blasting is revolutionizing the packaging industry by offering a fast, efficient, and eco-friendly cleaning solution for removing adhesive, ink, tape, labels, and residue from packaging equipment. Its non-abrasive nature, versatility, sustainability benefits, improved equipment performance, and cost savings make it an indispensable tool for packaging companies seeking to optimize their operations. By embracing dry ice blasting, businesses can streamline their cleaning processes, enhance productivity, maintain product quality, and contribute to a greener future.

## WHY NU-ICE?

With 10+ years of experience, which extends to our assembly facility as well, Nu-Ice provides dry ice blasting for unrivaled cleaning power without harmful chemicals. After extensive research, design and testing, we developed a line of high-performance dry ice blasting machines for an environmentally friendly cleaning solution.

The Commando line of dry ice blasters is ideal for various applications, and dry ice is the preferred cleaning method for food processing equipment, welding cells, fire restoration, historical restoration, power generation equipment and more. Using only standard dry ice pellets, Commando Dry Ice Blasters easily remove production residue, grease, oils, tar, mold and other materials

As a family and veteran-owned company based in Jackson, Michigan, we're proud to say all of our dry ice blasting machines and accessories are proudly **Made in the USA.**



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