



COMMANDO₂
DRY ICE BLASTERS®

COLD HARD FACTS



WELDING INDUSTRY
DRY ICE BLASTING

ARTICLE

WHY DRY ICE BLASTING?

As one of the top companies in the dry ice blasting industry, we understand the numerous benefits this cleaning method offers in the welding industry. Dry ice blasting is a fast and effective cleaning solution that surpasses traditional methods, including robotic equipment and dealing with dirty weld cells. Here are the key benefits of dry ice blasting in the welding industry.

When the pellets of CO₂, also known as “blasting rice,” are propelled at high speeds, they sublime immediately upon impact, transferring kinetic energy to the surface and cleaning any existing sludge or debris.

Since it leaves behind no residue, dry ice blasting has become one of the most efficient and environmentally friendly methods to clean an industrial or domestic environment. The unique composition of dry ice makes it an innovative solution for cleaning welding industry equipment.





■ **Non-abrasive cleaning**

Dry ice blasting utilizes dry ice pellets, which are non-abrasive and non-conductive. This makes it an ideal cleaning method for delicate welding equipment and sensitive components, as it doesn't cause any damage or wear.



■ **Non-toxic and eco-friendly**

Dry ice is made of solid CO₂ and leaves no chemical residues behind. It is non-toxic and environmentally friendly, making it a safe cleaning solution in the welding industry. It eliminates the need for hazardous chemicals, solvents, and water, reducing waste and minimizing the risk of contamination.



■ **Reduced equipment downtime**

Dry ice blasting is a fast cleaning method that significantly reduces equipment downtime. Traditional cleaning techniques, such as manual scrubbing or chemical cleaning, often require equipment disassembly and extended downtime. Dry ice blasting can be performed in place, without the need for equipment disassembly, allowing for quick and efficient cleaning.



■ **Enhanced safety**

Welding environments can be hazardous due to the presence of dirt, grease, oil, and other contaminants and combustibles. Dry ice blasting eliminates these contaminants effectively, reducing the risk of slips, falls, fires, and accidents caused by a dirty work environment. By maintaining a clean and safe workspace, dry ice blasting contributes to improved worker safety.



■ **No secondary waste**

Dry ice blasting eliminates the need for secondary waste disposal. The dry ice pellets sublime upon impact, turning into CO₂ gas. This means there is no waste material to collect, dispose of, or contaminate the surrounding area. It simplifies the cleaning process, making it more efficient and cost-effective.



■ **Versatile cleaning capabilities**

Dry ice blasting can effectively remove a wide range of contaminants commonly found in the welding industry, including weld slag, spatter, dirt, oil, grease, and paint. It can clean various surfaces such as metal, plastic, rubber, and electrical components without causing damage.



■ **Improved quality and productivity**

By eliminating built-up dirt, grease, and contaminants from weld cells and robotic equipment, dry ice blasting helps maintain optimal performance and efficiency. Clean equipment leads to better-quality welds, fewer defects, and reduced rework. This, in turn, enhances productivity, reduces downtime, and improves overall operational efficiency.

In conclusion, dry ice blasting offers numerous benefits in the welding industry, making it a superior cleaning method compared to traditional techniques or robotic equipment. Its non-abrasive nature, eco-friendliness, reduced downtime, enhanced safety, absence of secondary waste, versatile cleaning capabilities, and positive impact on quality and productivity position dry ice blasting as a fast and effective cleaning solution for weld cells and robotic equipment.

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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