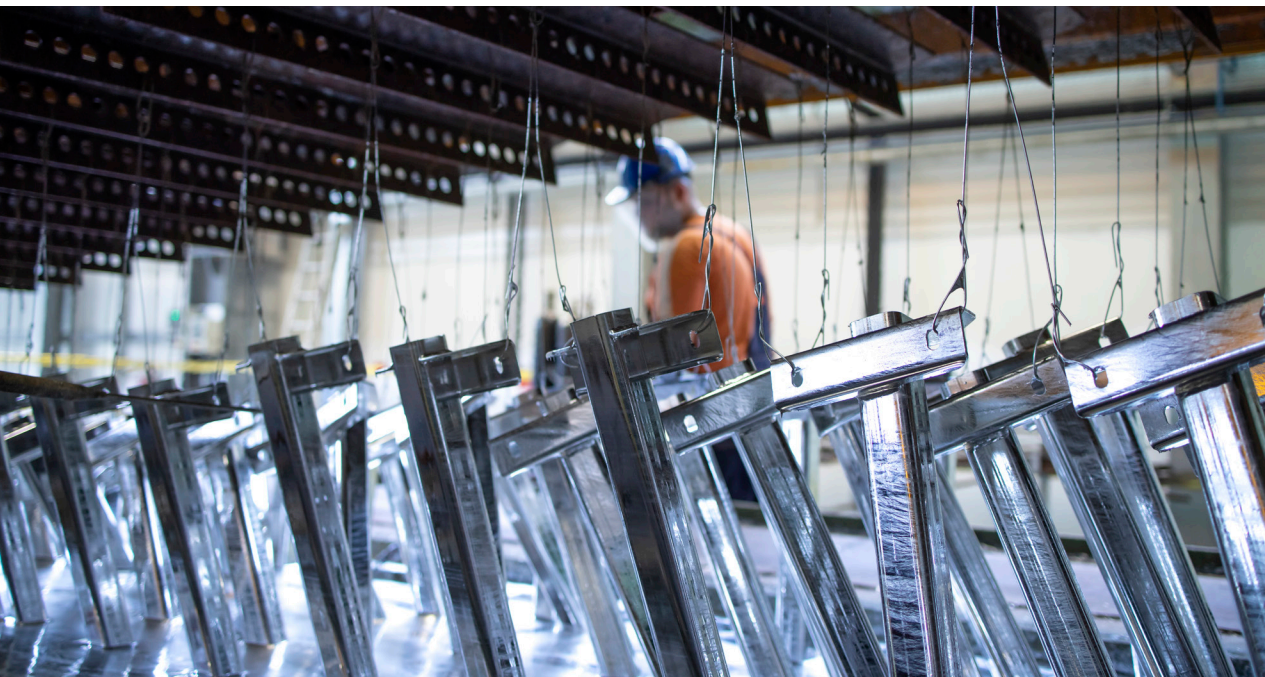




COMMANDO
2 DRY ICE BLASTERS[®]

COLD HARD FACTS



CHEMICAL INDUSTRY DRY ICE BLASTING

ARTICLE

WHY DRY ICE BLASTING?

Efficiency and effectiveness are essential in the chemical industry. Similar to sand blasting, bead blasting or soda blasting, dry ice blasting is a cleaning method that accelerates particles in a pressurized air stream toward a surface. The difference? Dry ice is non-conductive, chemically inert, non-poisonous, nonflammable, and does not require additional abrasives, water or chemicals. Plus, there's no secondary waste, making this a game-changer in the chemical industry.

The dry ice performance here is more complex than its typical use you may think of at concerts or Halloween functions. Through sublimation, where carbon dioxide instantly changes from a solid to a gas, the pellets create mini-explosions upon impact to clean nearly any surface effectively. Leaving behind no residue, dry ice blasting is one of the most efficient and sustainable methods to clean in an industrial or domestic area.

Dry ice blasting allows for cleaning in place, with little to no disassembly; no additional materials; reduces downtime; eliminates product damage; and is environmentally friendly.

Because it does not leave a residue, dry ice blasting is ideal for surface preparation/sanitization for tanks, pipelines, vessels, boilers, etc. Prepare your surface with dry ice blasting and you'll be ready immediately.



BENEFITS OF DRY ICE BLASTING IN THE CHEMICAL INDUSTRY

Imagine you're a professional in the chemical industry. You know that oil sludge is building up on your machinery to the point where the equipment can malfunction or break.

There are a few options available; maybe acetone and IPA come to mind as being popular. You will inevitably need to clean oil residue from industrial tanks, vessels and boilers, but you no longer have to add additional chemicals to clean this up. Dry ice blasting changes how the chemical industry maintains the longevity of machinery and cleans materials.



▪ Efficiency

Dry ice blasting mitigates the time you're waiting for cleaning or preparation. Because it allows for equipment to be cleaned while hot and online, you reduce shutdown times and perform preventative maintenance or spot cleaning without disruption. Not to mention, the effectiveness of the CO₂ allows for faster and more precise cleaning. Plus, with no secondary waste, you're back to production in no time. Dry ice blasting does not require heavy cleanup; however, the waste products such as dislodged sludge can be swept up or vacuumed depending on the containment.

Not only is dry ice blasting efficient, but it is also reliable. All Commando® dry ice blasting machines feature the BlitzFeed® patented freeze-less dry ice delivery system for superior pellet feeding. The design of this machine is engineered to prevent machine freeze-ups and ice blockages.



▪ Reduce Costs

Dry ice is non-conductive, chemically inert, non-poisonous, nonflammable and does not require additional abrasives; there's a low coefficient of friction, meaning you won't damage expensive equipment. Replacement or repair costs related to cleaning issues will be a thing of the past. Without secondary waste, you're also eliminating the cost of extra cleanup and disposal.

Performing preventative maintenance will prolong the life of the equipment, so you're spending less money and time on the frequent replacement of expensive tanks or pipelines.



▪ Environmentally Responsible

Approved by the EPA, FDA, and USDA, dry ice blasting does not produce any secondary waste or additional pollutants that would otherwise end up in our waterways. From production to application, dry ice blasting is an environmentally friendly way to clean chemicals.

Solid CO₂ pellets, also known as "blasting rice," are readily available through dedicated dry ice distributors and many industrial gas distributors. There is no production subjecting additional greenhouse gases to the atmosphere.

Dry ice blasting is the responsible, efficient and effective way to clean.

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, chemical machinery, printing instruments, welding cells, fire restoration, historical restoration, power generation equipment and more. Using only standard dry ice pellets, Commando® dry ice blasting machines 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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