

# A Complete Online Dry Ice Blasting Resource!

The Dry Ice Process, Direct Comparison Chart, Benefits, ROI, Videos, FAQ's, Ask the Expert, Downloads and much more!

With one of the most complete Dry Ice Blasting Resources online, WickensDryIceBlasting.com offers a comprehensive online resource center to answer any and all of your questions or concerns. The website serves as a tool to help better your understanding of Dry Ice Blasting and the benefits to your industry. Be sure to sign up for the Wickens Dry Ice E-Blaster and receive up to date industry information, offers, and trends.



## Increase Profits by Decreasing Downtime with Dry Ice Blast Cleaning



Natural, Dry & Non-Abrasive Cleaning  
Effectively cleans in place and reduces the need for disassembly and secondary waste cleanup.

Begin efficient production sooner.  
Ideal for all industries.



Call Wickens Dry Ice Blasting to arrange a no-obligation, on-site demonstration or for information on:

- Equipment Sales and Leasing
- Complete Rental Packages
- Contracting Services
- Parts & Service for all makes



Dry Ice Blaster Pelletizer Recovery Unit

# Wickens

DRY ICE BLASTING

1-888-301-0044

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# Tough enough to remove built-up grime, but gentle for sensitive components & electrical.

## Save Time & Money

By cleaning in place, The Dry Ice Blasting method uses portable equipment to easily maneuver around and between plant machinery and electrical elements to reduce the need for disassembly. Tremendous performance gains are: little to no downtime, no drying time required and no secondary waste to clean-up. Production time is saved with Dry Ice Blasting allowing online equipment to work more efficiently and cost effectively.

## What is Dry Ice Blasting?

Dry Ice or CO2 Blasting is a relatively new cleaning process using solid CO2 pellets (known as dry ice). Dry Ice Pellets sublime once they've hit the surface being cleaned (convert directly from a solid blast pellet to a vapor) leaving a clean, dry surface with no residue. The underlying equipment surface is completely dry, undamaged and the waste falls to the floor.

## How Does Dry Ice Blasting Clean?

Dry Ice Pellets are propelled at a supersonic speed by a compressed air gun. Upon impact, the dry ice creates a micro-thermal shock (caused by the extreme cold temperature of  $-79^{\circ}\text{C}$ ) which breaks the bond between the coating and the substrate. The high pressure air stream removes the dirt from the surface, while the Dry Ice Pellets vaporize (sublimate) before your eyes.

## A Greener Clean

Dry Ice Blasting is quickly becoming favoured among all industries because of environmental and production processes, standards, and certifications along with a growing consciousness of the environmental impact of production practices. This method of natural cleaning uses pellets made through a process of taking Liquid Carbon Dioxide (CO2) and expanding it to produce a snow-like substance, that is compressed through a die to make hard Dry Ice Pellets. Environmental benefits include cleaning with a natural substance, replaces chemicals and minimizes the need for specialty waste disposal.

# Cleaning with Dry Ice Blasting Serves Many Benefits to Your Business



fire damage - soot on concrete



cleaning turbine



maintenance - machine cleaning



industrial mould cleaning

### 1. Cleaning with a Natural Substance

Dry Ice Blasting uses Dry Ice Pellets made from the same substance used to carbonate beverages. This method does not generate secondary waste as does sand, soda, water, or grit cleaning. Dry Ice Blasting also replaces chemical and solvent based cleaning.

### 2. Safe on Electrical

This versatile process cleans heavy buildup without damage to sensitive areas like electrical components, switches, wiring, photo electric sensors, and more.

### 3. A Thorough, Deeper Cleaning

Since Dry Ice Pellets manage to reach every nook and corner of the equipment it cleans more deeply and effectively.

### 4. No Damage

Dry Ice Blasting is completely dry, non-abrasive, non-toxic and non-corrosive. It quickly removes most contaminants without damage to switches, panels, lines, tubes, wiring or belts, HVAC equipment and is safe to use on electrical.

### 5. No Down Time

The process is very fast and dry. The dry ice disappears on contact and can be performed on-line without disassembly and without need for drying time.

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