

SUB ZERO DRY ICE BLASTING

www.subzerodryice.com.au

call us 1300 883 719



ECO
FRIENDLY

DRY ICE BLASTING

With the advancements in technology and mass production, it's a shame to think there are still cleaning methods that hurt, not help the environment, adding thousands of tons of toxic secondary waste to our landfills each year.

While traditional industrial cleaning methods can result in the disposal and removal of "secondary waste", consisting of solvents, sand, or other means—the cleaning agent itself becomes a secondary contaminant that needs to be disposed of immediately.

Dry Ice Blasting eliminates the "secondary waste" by simply disappearing, eliminating the costs or concerns of more traditional methods.

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The Dry Ice Blasting uses Dry Ice Pellets created through a process beginning with Liquid Carbon Dioxide (Co2). The Dry Ice is obtained as a byproduct of other industrial processes made from reclaimed Co2. It does not produce Co2 or add Co2 to the atmosphere and therefore does not contribute to the greenhouse effect.

Upon impact, the dry ice creates a thermal shock which breaks the bond between the coating of grime and the substrate. The high pressure air stream removes the dirt from the surface, while the Dry Ice Pellets vaporize, leaving only the removed debris to be cleaned, creating absolutely no secondary waste.

BEFORE



AFTER

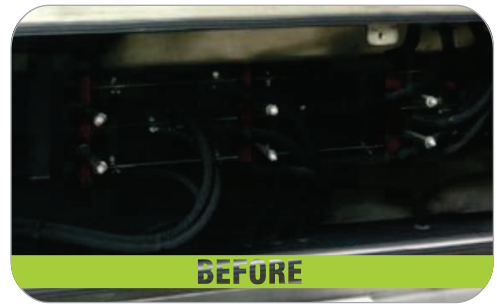


THE PROCESS



Dry Ice or Co2 Blasting is cleaning process using solid Co2 pellets (known as dry ice). Dry Ice Pellets sublime once they've hit the surface to be cleaned (convert directly from a solid blast pellet to a vapor) leaving a clean, dry surface with no residue.

Dry Ice Pellets are propelled at a high speed through our Dry Ice Cleaning equipment. Upon impact, the dry ice creates a thermal shock (caused by the extreme cold temperature of -78°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.



BEFORE



AFTER

THE BENEFITS



Increases uptime through in-situ cleaning

The process is fast, thorough, and can be performed without disassembly of most equipment and without waiting on drying time.

Cleaning without damage

Dry ice blasting is non-abrasive. It quickly removes most contaminants without damage to switches, panels, lines, tubes, wiring or belts.

Reduces or eliminates the need for hazardous solvents

Dry Ice Blasting replaces chemical or solvent based cleaning and manual scrapping.

Quicker and more thorough than cleaning by hand

Get a more detailed and quicker clean with CO2 by getting into tight spaced areas inaccessible by hand

Safe around electrical components

This versatile process cleans heavy industrial build up without damage to sensitive areas like electrical components, switches, wiring, photo electric sensors, etc

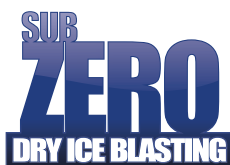
The Dry Ice Blasting process is superior to blasting with sand, glass beads and other types of cleaning methods for numerous reasons. As an Eco-friendly cleaning alternative, the dry ice cleaning method is quickly becoming favored for environmental as well as production reasons. Due to the nature of the Dry Ice Blasting process, there is no waste to be disposed of. Tremendous performance gains of little to no production downtime, quality of the clean, no clean-up, and minimised damage to equipment make Dry Ice Blasting a cost-effective cleaning option.

Client Testimonials

Removing glue from our rollers was a breeze for Subzero. The roller was cleaned in 3hrs and now runs like a dream.

Thanks to your guys!"
Anthony NSW

"I wish your guys were here everyday!"
Daniel VIC



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