Cryogenic/Dry Ice Blasting (CO₂) Services



What is Dry Ice Blasting?

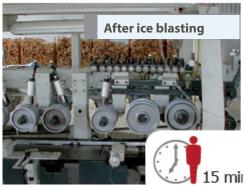
Dry ice blasting is similar to sand blasting, plastic bead blasting, or soda blasting where a medium is accelerated in a pressurized air stream to impact a surface to be cleaned or prepared. But that's where the similarity ends. Instead of using hard abrasive media to grind on a surface (and damage it), dry ice blasting uses soft dry ice, accelerated at supersonic speeds, and creates mini-explosions on the surface to lift the undesirable item off the underlying substrate.

Dry ice blasting has many unique and superior benefits over traditional blasting media.

- Non-abrasive, nonflammable & nonconductive
- Environmentally-friendly and contains no secondary contaminants such as solvents or grit media
- Clean and approved for use in the food industry
- Allows most items to be cleaned in place (no disassembly)
- Safe for operating machinery does not create fire hazards
- Highly effective Removes production residues, release agents, contaminants, paints, oils and biofilms
- Custom cleaning can be as gentle as dusting smoke damage from books or as aggressive as removing weld slag from tooling or other general cleaning applications

use Thompson? 24/7 Service from the most equipped and dependable team in the Southeast. Call our experts today to start improving your turnarounds and emergency response needs –800-849-8040.





Ideal For:

- Pharmaceuticals
- Agriculture
- Food & beverage
- Power
- Pulp & Paper
- Alloy
- Steel
- Plastics
- Automotive

Call our experts for a free consultation: 800-849-8040

How it works

Thompson's dry ice blasting technique uses compressed air to accelerate frozen carbon dioxide (CO2) "dry ice" pellets to a high velocity. A compressed air supply is used in this process. Dry ice pellets are typically brought to the job or can be can be made on-site if justifiably necessary. Pellets are made from food grade carbon dioxide that has been specifically approved by the FDA, the EPA and the USDA.

Dry Ice Blasting is Clean and Safe

- Approved by the EPA, FDA, and USDA safe for food processing
- No harmful gases or secondary waste generation
- Safe and non-toxic (once pellets impact the surface they dissipate into the atmosphere)
- Reduces or eliminates employee exposure to (and corporate liability from) the use of dangerous chemical cleaning agents
- Dry ice is obtained as a byproduct of other industrial processes it
 is made from reclaimed CO2. It does not produce CO2 or add CO2 to
 the atmosphere (It does not contribute to the greenhouse effect).

Other Cleaning Methods Can Be Toxic

- Sand, soda, or water blasting can leave toxic secondary waste to be cleaned up in addition to the toxic substrate
- Sand, soda, or water blasting can create downstream contamination that effects surrounding installations
- Soda blasting can kill surrounding vegetation
- Chemical & solvent methods may be toxic/create toxic waste PLUS
 Workers are exposed to potentially harmful substances







Additional Services:

Hydroblasting 12K, 20K, 40K PSI In-Situ SCR Catalyst Cleaning High-Volume Hydroblasting

Chemical Cleaning Hydro-cutting of Steel & Concrete Pneumatic & Hydro Vacuum Excavation

Wet & Dry Vacuuming Combustible Dust Remediation FINFOAM * Air-cooled Heat Exchanger Cleaning