



PURITY
CYLINDER GASES INC.

DRY ICE

PROVIDING FRESH, LOCALLY PRODUCED DRY ICE

Dry ice is the solid form of carbon dioxide (CO₂) with a temperature of -109.3° (-78.5°C) or below. It offers a lower temperature than water ice, longer holding times and requires no clean-up since it changes directly from a solid to a gas (sublimation). Due to these unique properties, it has a wide variety of uses.

Dry Ice for Commercial Use:

- Dry ice blasting
- Dry food production
- Laboratory, research and biomedical supply
- Food storage & distribution, gift shippers
- Meat processing and distribution
- Airline catering
- Shrink metal fitting

Dry Ice for Individual Use:

- Food and gift shipping
- Halloween, special effects, science experiments
- Power outages, emergency refrigeration
- Hunting, camping, fishing, traveling

Sizes Available:

- Rice - 1/8" • Pellets - 1/2"

Why Choose Purity?

- **Fresh** dry ice is **higher density** and will **last longer**
- Have confidence in your product weight and quality
- Local, family-owned company for over 75 years

**Call us today to learn how we can support
your specific needs 888-532-2375.**

www.puritygas.com



Purity Cylinder Gases serves your industry:

*Aerospace
Automotive
Contract cleaning
Education
Electrical
Fire restoration
Food and beverage
Foundry
General maintenance
Historical restoration
Industrial cleaning
Medical
Mold remediation
Packaging
Plastics / Rubber
Scientific/Laboratory
Printing
Welding
Wood/pulp, and paper*

Family Owned & Locally Operated Since 1938



**DRY ICE BLASTING CAN *SAVE YOU TIME,*
SAVE YOU MONEY, AND EVEN HELP
*SAVE THE ENVIRONMENT.***

DRY ICE

Deep cold for a deep clean.



Dry ice blasting is similar to sandblasting, but without the harsh abrasiveness. The process uses small, rice-sized dry ice pellets that are moisture-free, non-conductive, non-corrosive, and non-flammable. Most importantly, there's nothing extra to dispose of with dry ice cleaning, because the pellets evaporate on contact.

Dry ice blasting is perfect for many applications:

- Electrical motors and generators
- Fire, water, and mold restoration
- Printing presses
- Industrial cleaning applications
- Food and beverage facilities
- Pulp and paper mills

Why clean with dry ice from Purity?

- Faster and more thorough cleaning.
- Non-flammable, non-abrasive, non-conductive, non-toxic removal methods.
- No clean-up of chemicals and solvents, dry ice simply sublimates into the atmosphere.
- Equipment can be cleaned in place
- Thermal-kinetic removal effect is ideally suited for the aerospace and food industries.
- Lower abrasion is perfectly suited for mold removal and remediation and plastic molding removal.
- Approved by the EPA, FDA and USDA

BLAST CLEANING COMPARISON CHART

Technique	Waste for Disposal	Abrasive	Toxic	Electrically Conductive	Performance
Dry Ice	NO	NO	NO	NO	EXCELLENT
Sand	YES	YES	NO*	NO	OK
Glass Beads	YES	YES	NO*	NO	OK
Walnut Shells	YES	YES	NO*	NO	LIMITED
Steam	NO	NO	NO	YES	POOR
Water	YES	POSSIBLE	NO	YES	OK

*Each of these blasting materials becomes contaminated upon contact if used to clean hazardous objects. When that happens, these materials are then classified as toxic waste requiring safe disposal.



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