



TRUSTED ENVIRONMENTAL, ENERGY & INDUSTRIAL SERVICES

ADVANCED DRY ICE BLASTING TECHNOLOGY

Strength H2O provides dry ice blasting, an advanced and eco-friendly industrial cleaning method that propels dry ice pellets at high velocity through a pressurized air stream to clean, restore, or prepare targeted surfaces. This precision process is effective across a wide range of industrial applications without causing damage or introducing secondary contaminants.

At an operating temperature of -79 degrees Celsius, dry ice blasting causes grease, coatings, residues, and other contaminants to rapidly contract and release from the surface. The extreme cold also instantly eliminates bacteria, mold, and fungus, making it ideal for environments where cleanliness and sanitation are critical.

Dry ice blasting is non-abrasive, non-toxic, and biodegradable, allowing safe and effective cleaning in hard-to-reach or sensitive areas. The process meets USDA, FDA, and EPA guidelines and offers clear advantages over traditional cleaning methods for facilities, employees, and the environment.

USES SAFE AND ENVIRONMENTALLY RESPONSIBLE MATERIALS

The dry ice blasting process uses no solvents, chemicals, or hazardous materials. It relies exclusively on CO₂ pellets, which are safe for employees, equipment, and the environment, reducing chemical exposure risks and eliminating concerns related to hazardous material handling or disposal.

REDUCES WASTE DISPOSAL REQUIREMENTS

Dry ice pellets sublime instantly upon contact, leaving no secondary waste behind. Only the removed contaminant requires disposal, significantly reducing cleanup time, disposal volume, and waste management costs.

MINIMIZES OPERATIONAL DOWNTIME

Equipment can be cleaned in place without disassembly or extended shutdowns. This allows operations to resume quickly, minimizes downtime, and enables equipment to return to service immediately after cleaning.

SAFE FOR ELECTRICAL AND SENSITIVE EQUIPMENT

Because dry ice blasting is completely dry and water-free, it can be safely used on electrical and sensitive components. Unlike steam or hydro jetting, it does not introduce moisture, reducing the risk of corrosion, short circuits, or mold regrowth.

PRESERVES EQUIPMENT INTEGRITY

Unlike abrasive methods such as sand blasting, dry ice blasting does not pit, erode, or damage surfaces. This helps preserve equipment tolerances, extend asset life, and reduce maintenance and replacement costs.

VERSATILE APPLICATIONS ACROSS INDUSTRIES

Strength H2O uses dense dry ice pellets for deeper cleaning and higher productivity. This method effectively removes oil, paint, resins, adhesives, and industrial buildup and is widely used in food processing, mold and die, power generation, marine, mold remediation, and surface cleaning applications.

COMPREHENSIVE TURNKEY SERVICE SOLUTIONS

In addition to dry ice blasting, Strength H2O offers turnkey waste management and recycling services. These flexible programs are customized to meet operational, regulatory, and sustainability goals while delivering efficient, cost-effective, long-term solutions.

