

Environmental, Energy and Industrial Services

Dry Ice Blasting

Fact Sheet

Strength H2O commonly provides dry ice blasting, a superior eco-friendly cleaning application, which propels dry ice pellets at high speeds in a pressurized air stream to clean or prepare a targeted surface. Operating at a temperature of -79 degrees C, dry ice blasting causes the material to shrink and loosen from the subsurface, and it immediately kills bacteria and fungus.

This non-abrasive, non-toxic, biodegradable cleaning solution powerfully removes material in even the hardest to reach spaces, and meets USDA, FDA and EPA guidelines. Dry Ice Blasting offers additional benefits over traditional cleaning methods for your facility, your employees, and the environment.

Uses Safe Materials

No solvents or other hazardous materials are used in the process. Dry ice blasting uses CO2 pellets, which are safe for employees and for the environment.

Reduces Waste Disposal

Since the dry ice dissipates upon contact with its targeted surface, no secondary waste is generated. Only the material being removed must be disposed of resulting in increased cost savings.

Reduces Downtime

Equipment can be cleaned in place and does not require disassembly. Downtime is significantly reduced, and equipment can be immediately put back into service.

Safely used on Electrical Equipment

Dry ice blasting can be safely used on electrical equipment and leaves the equipment dry since it is 100% water-free. Compared to steam or hydro jetting methods, mold and mildew have less chance of regenerating on surfaces cleaned by this application.

Preserves Equipment Integrity

Compared to sand blasting, dry ice blasting will not pit, damage or remove part of the surface of the equipment.



Wide Variety of Applications

Strength H2O utilizes a dense ice pellet, which aids in a deeper cleaning and productivity, and can be used for numerous materials including oil, paint, resins and adhesives. This application can be used in most industries, including the food, mold and die, power generating, marine, mold remediation, and surface cleaning industries.

Turnkey Services

In addition to dry ice blasting, Strength H2O provides comprehensive and turnkey waste management and recycling services. Our programs are flexible, and we can develop a solution to meet your needs.

