

AIOLITH

Dry Ice Blaster

Revolutionizing Industrial Cleaning



Why Dry Ice Blasting?

"Dry ice cleaning uses high pressure to propel solid dry ice onto surfaces, removing dirt, grease, and coatings without the need for chemicals, ensuring equipment safety."

Minimal Preparation Needed

Dry ice blasting pellets effortlessly access all areas, making pre-cleaning preparations almost unnecessary.

Reduced Downtime

The fast and efficient cleaning process ensures your equipment is ready to operate in no time.

Eco-Friendly Solution

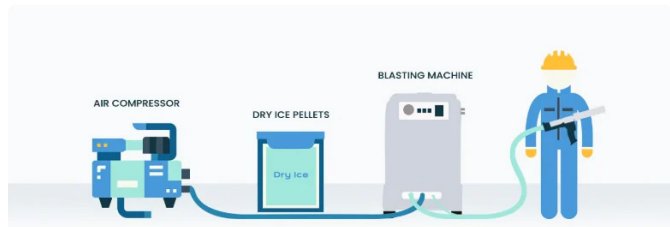
No additional chemicals or sprays are required, making it safe for both the environment and your equipment's surfaces.

Residue-Free Cleaning

Dry ice sublimates into CO₂, leaving no residues like abrasives or wastewater behind.

UNPARALLELED CLEANLINESS

Dirty molds, components, or machinery can often be challenging to clean. The issue: traditional methods like sandblasting often leave behind residues such as sand or glass granules, requiring additional cleaning afterward. With AIOLITH's high-performance ice blasters, this extra step is eliminated. The dry ice pellets evaporate entirely into carbon dioxide (CO₂) during the process, leaving behind nothing but flawless cleanliness.



No Preparation Needed

No disassembly of machines is required. The AIOLITH ice blasters effortlessly reach the smallest nooks and crannies.

Minimized Downtime

Experience faster and more efficient cleaning with dry ice, reducing machine idle time.

Eco-Friendly Cleaning

Achieve outstanding results without the use of chemicals or additional spray agents.

Surface-Safe Technology

Gentle cleaning that ensures no damage to surfaces.

Residue-Free Process

Dry ice sublimates entirely into CO₂, leaving no abrasives or wastewater behind.

Cleanliness = cold x acceleration

AIOLITH's ice blaster propels 3-mm dry ice pellets using compressed air at speeds exceeding 150 m/s.

At a freezing temperature of -79°C, the dirt becomes brittle and cracks, allowing the high-velocity pellets to effortlessly lift it away.

This advanced method ensures a powerful yet gentle removal of nearly all types of dirt, delivering exceptional cleaning performance.

Scan the QR code to watch the cleaning video!



AI30

Cutting-edge

Performance



Scan the QR code
for product details!

The AIOLITH AI30 Dry Ice Blasting Machine offers efficient, residue-free cleaning for industries like automotive and food processing. It removes contaminants like oil and carbon deposits without water, chemicals, or damage. Compatible with low-pressure air compressors, it features an ergonomic design, interchangeable nozzles, and quiet operation at 80db, ensuring eco-friendly and user-friendly performance.

AI30 features a seamless rotomolded exterior for enhanced durability, a larger hopper for extended cleaning sessions, and a user-friendly magnetic backdoor design for easier operation and maintenance.

WIDELY USED:

The AIOLITH AI30 Dry Ice Blasting machine effectively removes tough contaminants like oil and dust, making it perfect for a wide range of industries including automotive, food factories, and industrial machinery. Ideal for cleaning carbon deposits in cars, oil and sugar residues in food processing, and oil contamination on parts, etc.

NO WET & RESIDUE & DAMAGE:

Operating in a dry and waterless environment, the dry ice blaster ensures a dry workspace, eliminating the risk of secondary pollution or the need for tedious dismantling. This method leaves no residue, preventing corrosion or damage to parts, without the use of chemicals or abrasives.

ENHANCED DESIGN FEATURES:

Compatible with low-pressure air compressors, the AI30 operates effectively at 120psi. It comes with a handheld control gun, ergonomically designed nozzles for quick interchangeability, and 5 nozzles to meet various cleaning needs for efficient and convenient cleaning. Dual-purpose design for blowing drying and light dusting on work surfaces.

USER-FRIENDLY SOLUTION:

Addressing common concerns, the AIOLITH Dry Ice machine runs quietly at 80db, with a unique hopper design to prevent condensation and freezing, an optimized ice cutting and conveying system to prevent clogging, resulting in less dry ice consumption and excellent cleaning performance.

ATTENTION:

Please note that the dry ice blaster does not include dry ice pellets or an air compressor. The diameter of the dry ice particles should be 3 mm (1/8 inch) or smaller. To avoid any unnecessary issues, please ensure that you operate the input pressure between 87 PSI and 116 PSI.



Voltage/Frequency	110 V/60Hz
Dry Ice Hopper Capacity	33 lbs
Dry Ice Output	0.66 lb/min ~ 1.32 lb/min
Compressed Air Input Pressure	87 ~116 psi
Compressed Air Input Flow Rate	71 ~141 CFM
Dry Ice Pellets Diameter	3 mm and below
Dimensions (L*W*H)	28×24×37 inches
Weight	135 lbs

Versatile Applications

AIOLITH Ice Blasters operate without the need for cleaning agents or chemicals, making them ideal for areas where water or sand cleaning is restricted by law. Since the dry ice pellets sublimate completely without leaving any residue, no wastewater is generated. With AIOLITH's high-performance dry ice pelletizer, pellets can be conveniently produced on-site as needed.



Steel, Metal, and Machinery Fabrication

Deep cleaning and routine maintenance of production machinery, welding robots, conveyor systems, and paint facilities becomes remarkably effortless with AIOLITH Ice Blasters.



Printing Facilities

After dry ice blasting, printing machines, cylinders, tools, and more are restored to a like-new condition.



Wood and Electrical Industries

Dry ice blasting is perfect for cleaning woodworking machinery, generators, turbines, control cabinets, and more.



Plastics and Packaging Industry

The dry ice blaster effectively removes silicone, rubber, dyes, paints, and other contaminants from injection molds and production lines.



Automotive Industry, Foundries, and Plastic Injection Molding Facilities

AIOLITH dry ice cleaners effortlessly remove silicone, rubber, dyes, paints, and parting agents from molds, tools, and production lines, ensuring a perfect clean with no residue left behind.



Food, Pharmaceutical, and Cosmetics Industries

An AIOLITH ice blaster is perfect for removing coking, burnt deposits, encrustations, fat, and starch from filling and mixing plants, production lines, handling systems, tanks, and furnaces.



Paper Industry

In the paper industry, dry ice cleaning removes glue, lime, dust, and cellular materials, minimizing downtime and restoring systems quickly.



Local Authorities and Municipalities

Graffiti and chewing gum are common problems for cities and municipalities. AIOLITH ice blasters provide a gentle yet thorough cleaning method, effectively removing dirt without damaging surfaces.



See the Difference



Scan the QR code to see amazing cleaning results!



Before

Stains, grease, and unpleasant odors making your car seats look and feel worn out? Traditional cleaning methods can't reach deep enough, and moisture can damage your fabrics.



After

With our dry ice cleaning machine, your car seats are spotless, odor-free, and completely refreshed—without a drop of moisture or harsh chemicals. Like-new comfort and cleanliness, guaranteed!



Before

Mud, grease, and road grime are caked onto your car's undercarriage, reducing performance and increasing the risk of corrosion. Traditional methods struggle to reach those tough spots.



After

Our dry ice cleaning machine blasts away dirt and grime from your car's undercarriage, leaving it spotless and corrosion-free. No water, no chemicals—just powerful, eco-friendly cleaning!



Before

Oil buildup and debris on your car's differential can compromise its performance and shorten its lifespan. Cleaning such a vital component is no easy task with traditional methods.



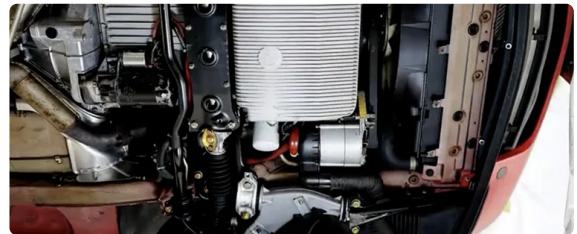
After

Our dry ice cleaning machine removes stubborn grease and contaminants from your car's differential without damaging seals or components. Ensure peak performance and longevity with a precise, chemical-free clean!



Before

Grease, dirt, and residue on your transmission can lead to overheating and reduced efficiency. Traditional cleaning methods often struggle with precision and risk causing damage.



After

Our dry ice cleaning machine thoroughly removes grime from your transmission, ensuring optimal performance and extending its lifespan. No water, no chemicals—just safe, efficient cleaning for vital components!

Effective across industries



MOTOR VEHICLES

Dry ice cleaning is a leading technology for cost reduction and quality enhancement in production processes. It effectively restores automotive facilities and components, such as assembly plants, robotics, spray booths, foundries, electrical equipment, hydraulic units, moulds, mechanical components, engines, wheel suspensions, gearboxes, electrical components, etc. to almost their original condition.

PRINTING/PAPER INDUSTRY

In the printing and paper industry, maintaining clean rollers and machine components is vital. Dry ice blasting provides a rapid, high-quality cleaning solution without disassembly. It safely removes settled grease, paper dust, pulp, ink, and paint without damaging components, using a dry, non-abrasive method that requires no chemicals.

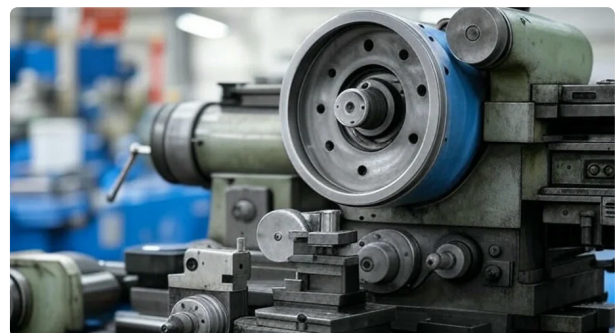


FOOD INDUSTRY

The food industry's focus on hygiene is growing. Cleaning hardened surfaces and production line furnaces, which are typically challenging, is crucial for preventing bacterial growth and maintaining food quality. Dry ice cleaning, using CO2 pellets or microparticles that sublime on contact, effectively removes contaminants without damaging equipment.

MACHINERY INDUSTRY

Dry ice cleaning is essential in the machinery industry for cleaning production machine components, welding robots, conveyors, painting lines, and molds. It outpaces traditional methods, boosting productivity and cutting costs with its speed and efficiency.



Beyond Traditional Cleaning

High-Pressure Washer

Advantages:

- High Efficiency
- Wide Applicability
- Relatively Eco-Friendly
- Cost-Effective

Disadvantages:

- High Water Consumption
- Surface Damage Risk
- Wastewater Management
- Noisy

Dry Ice Blasting

Advantages:

- No Secondary Pollution
- Environmentally Friendly
- Gentle and Safe
- Efficient Cleaning
- No Disassembly Required

Disadvantages:

- High Cost
- Limited Applicability
- Requires Specialized Equipment

Chemical Cleaning

Advantages:

- Powerful Cleaning
- Broad Applicability
- No High-Power Equipment Needed

Disadvantages:

- High Pollution
- Corrosion Risk
- Complicated Residue Handling
- Safety Risks





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