Dry Ice Blasting for Cleaning and Product Finishing

A Faster, Better, Green Cleaning Process

Environmentally responsible dry-ice-blast cleaning and product finishing systems eliminate the use of harmful solvents and other waste-generating cleaning processes. Dry-ice-blast cleaning utilizes a unique combination of forces to powerfully lift surface contaminants without causing damage or creating harmful secondary waste. Similar to sand, bead and soda blasting, dry-ice-blast cleaning prepares and cleans surfaces using a medium accelerated in a pressurized air stream. But that’s where the similarity ends.

Instead of abrasive media to grind surfaces (and damage them), Cold Jet systems from Red-D-Arc use dry ice (solid CO₂) accelerated at supersonic speeds that sublimate upon impact and lift contaminants from substrates.

From gently restoring smoke damaged books, to cleaning multi-million dollar production equipment in place, Red-D-Arc’s range of Cold Jet dry-ice-blast cleaning equipment systems, nozzles and accessories can tackle your toughest cleaning challenges head on.

How does it work?

Instead of abrasive media to grind surfaces (and damage them), Cold Jet Systems use dry ice (solid CO₂) accelerated at supersonic speeds that sublimate upon impact and lift contaminants from substrates.
Red-D-Arc offers a variety of Cold Jet Dry Ice Blasting Systems to provide you with the appropriate solution for your needs and budget.

**Aero 40/Aero 40 HP**
- Hopper Capacity: 40 lb
- Feed Rate: 0-4 lb/min
- Blast Pressure: 40, up to 140 PSI
- Blast Pressure, 40HP: up to 250 PSI
- Weight: 260 lb
- Dimensions: 36" X 17" X 40"
- Uses dry ice pellets

**Aero 80 HP**
- Hopper Capacity: 80 lb
- Feed Rate: 0-7 lb/min
- Blast Pressure: up to 300 PSI
- Weight: 400 lb
- Dimensions: 43" X 20" X 46"
- Uses dry ice pellets

**Aero C100 Pneumatic**
- Hopper Capacity: 100 lb
- Feed Rate: 0-7 lb/min
- Blast Pressure: up to 140 PSI
- Power Supply: Pneumatic
- Weight: 250 lb
- Dimensions: 31" X 15" X 45"
- Uses dry ice pellets

**i3 MicroClean**
- Dry Ice Capacity: 20 lb
- Feed Rate: 0-1.2 lb/min
- Blast Pressure: up to 140 PSI
- Power Supply: 110V or 230V 1Phase
- Weight: 130 lb
- Dimensions: 22" X 16" X 21"
- Uses dry ice block shavings

All Aero Series units require a 1" ID air line capable of delivering up to 165 CFM at 80 PSI within 50 feet of the application area, as well as 110V 10A electrical power (except for the pneumatic C100).

**Patented shaving technology...**
While pellets are most suitable when removing heavy, thick contaminants, shaved ice is ideal for cleaning delicate substrates, intricate geometries or tiny openings.

The Aero Series features the SureFlow System, ensuring a reliable flow of dry ice pellets for a superior and efficient clean.

The i3 Series features patented dry ice block shaving and feeder technology, providing a powerfully gentle and precise clean.

**Setup in a snap...**
Connect your air supply to the machine, add dry ice and select your nozzle - it's that simple. Our portable and rugged systems are designed for both industrial applications and contract cleaning. Optimize your system's performance by adjusting compressed-air pressure, nozzle type and dry ice pellet size, density, and feed rate.
Red-D-Arc is pleased to offer our **Blasters Plus Program**, a comprehensive program that provides users with an environmentally responsible dry ice blasting system, including supplies and support - in an all-in-one agreement that includes equipment and consumables - all from a single source.

**Rent, Lease, or Purchase**

Regardless of the size and scope of your dry ice blasting project, we have options to accommodate your needs. From daily rentals to new machine sales... we have you covered.

With our nationwide sales team, and network of rental outlets, you can choose how you want to get your dry ice blast cleaning equipment. Whether you just want to rent a machine for a weekend shutdown and maintenance, or purchase outright and depreciate over time, we can accommodate your preference.

**Nationwide Coverage**

With over 50 rental centers strategically located across North America, Red-D-Arc can provide dry ice blast cleaning equipment - where you need it, when you need it.

**Blasters Plus Program**

Includes all equipment as well as dry ice.

**Daily, Weekly or Monthly Rentals**

Rent your blasting equipment by the day, week, or month.

**Blast-Logistics Lease**

Equipment can be leased for a 36-month term.

**Try-Before-You-Buy**

Your equipment is delivered to you on a rental basis, but you can exercise an option to purchase within the first 30 days.

**Rent-to-Own**

Apply your rental payments towards purchase costs.

**Purchase New or Used**

Call us for details about new or used equipment purchases.

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**Blasters Plus** is an all-inclusive agreement for the rental of a dry ice blast cleaning system, dry ice cleaning medium (either pellets or block ice), and a compressed air supply (if needed). Highlights include...

- Agreements can be for short or long term rental (daily, weekly, monthly) or lease (36-months)
- Complete dry ice system is configured to your specific requirements
- Regular invoicing for the equipment and the first 1,000 pounds of dry ice
- Additional ice can be ordered on an as-needed basis and billed separately
Over 30 industries and hundreds of applications...

These environmentally responsible cleaning and product finishing systems eliminate the use of harmful solvents and other waste-generating cleaning processes.

**Power Generation**
- Turbines
- Compressors and Generators
- AC/DC Motors
- Switch Gears
- Transformers
- Rotors and Stators
- Insulators
- Field Frames
- Substation Isolators
- and Bushings

**Rubber and Plastic**
- Blow Molds
- Compression Molds
- Extrusions Molds
- Injection Molds
- thermoform Molds
- Urethane Molds and Overspill
- Metal Bonded Molds
- Tilt-back Press
- Lift Press

**Contract Cleaning**
- Fire and Smoke Restoration
- Mold Remedia
- Water Damage
- Lead Paint Abatement
- Corrosive Contaminants Removal
- Insulators
- Field Frames
- Substation Isolators
- and Bushings

**Food and Beverage Processing**
- Slicers and Dividers
- Pack-off Tables
- Labeles and Gluers
- Ovens and Conveyors
- Mixers and Baggers
- Ishida Weighers
- Bottle Lines

**Medical**
- Medical Stints and Implants
- Thermoplastic Injection Mold
- Titanium, Stainless, PEEK Products
- Surgical Tools and Instruments
- Deftashing and Deburring
- Liquid Injection Silicone Mold
- Catheter Tips
- Manifolds

**Contractors use Cold Jet systems to clean stator windings at hydro-electric power generation facilities**

Silgan saves time with dry ice blasting.
"The time savings alone have been phenomenal as we have been able to clean our equipment better and faster while we're still online."

Joe Pond, Setup Supervisor
Silgan Plastics

Husky recommends Cold Jet's process.
"By using Cold Jet's dry ice blast cleaning system, our customers will find a fast and easy cleaning solution that will help them significantly reduce system downtime and improve productivity."

Mike Urquhart, Vice President
PET Husky

Ghirardelli discovered a sweet solution.
"We tried different models of dry ice blasters, but eventually all agreed that the units from Cold Jet were easier to use and were more effective."

Tony Tai, Production Supervisor
Ghirardelli Chocolate Company

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