



Dry Ice Blast Cleaning – the safe, cost-effective solution



What can you clean with dry ice blasting?

Contract Cleaning: The dry ice blasting method can reduce the overall time spent on sanding, scraping or scrubbing with solvents. As the dry ice sublimates on impact, there is no secondary waste created, reducing maintenance time and costs. These are a few of the surfaces that can be cleaned using dry ice:

- Building surfaces after years of soil, mold infestation or even smoke and fire damage.
- Inside factories of dirt, soot, grease, oil build-up etc.
- De-energized switchgear and insulators can be cleaned fast and efficiently without disassembly or secondary waste.
- For the printing industry, presses can be cleaned without having to dismantle the press and can avoid using dangerous solvents, scrapers, chisels and emery clothes.
- For the pulp and paper industry, equipment can be cleaned in-place without disassembly or cooling down. This cleaning process helps to remove paper process residues such as dirt, soot, grease and oil build-up.

Foundry: Tools from the core-making machine can be cleaned with the dry ice blasting method, allowing for greater production efficiency. You can clean:

- Graphite lubricants off die-casting machines.
- Excess grease, dust, ink or carbon off production equipment and hydraulic power units.
- Conveyors without damaging pneumatic devices, bearings or electrical equipment.

Power Generation: The demand to keep the equipment running often leads to deferred cleaning and maintenance, reduced efficiency and in some cases, outages caused by flashover. Dry ice blast cleaning provides a non-conductive cleaning process that allows equipment to be cleaned in-place without cool down or disassembly. This includes generators, turbines, stators, rotors, compressors and boilers.

Rubber: Build-up of cured material and mold release agents, leave blemishes and unwanted flash on parts. This can make parts unusable and could shut down the line for cleaning. Dry ice blasting allows for in-place cleaning without major disassembly or cool down. Dry ice cleaning systems use non-abrasive media and will not damage the molds.

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- Food & Beverage:** Equipment and facilities get dirty with grease, wax, proteins, seasonings, crumbs, carbon residue, glue, ink and other build-up, preventing equipment from operating at peak efficiency and shortening asset life. Dry ice blasting cleans food processing equipment without the need for scrubbing, water clean-up or the use of harmful chemicals that could contaminate food. As the dry ice sublimates on impact, there is no secondary waste created, and most equipment can be cleaned in place without time-consuming disassembly.
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- Bitumen:** The manufacturing processes for bitumen can leave heavy deposits in equipment. Dry ice blasting is a gentle and efficient way of removing bitumen which is usually a very challenging task.
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- Aerospace:** Tow hitches, landing gear systems, engine bay covers and other components can be cleaned rapidly without disassembly. Brake dust and other soils and residues can be removed during restoration.
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- Pharmaceuticals:** Sanitation is a major factor in the production of pharmaceuticals and dry ice blasting is an efficient solution to cleaning stainless steel containers, mixers, reactors, tablet molds and separators.

With Linde’s premium dry ice you benefit from:

- **Reliability** – We are the world’s largest carbon dioxide supplier.
- **Extensive Capacity** – The industry’s largest production and distribution network providing high quality, fresh dry ice.
- **Technical Expertise** – Over 70 years of hands-on experience developing dry ice applications and related technology.

Linde’s Dry Ice Blasting Machine Rental Program

The blast cleaning process generates flush-action cleaning power for production, cleaning and maintenance applications by using high velocity machines to propel dry ice pellets, which can replace more costly labour-intensive chemical, water or grit blasting. To support our customer’s cleaning needs, Linde offers a dry ice blasting machine rental program in Canada.

Contact Linde today: To learn more about Linde and how dry ice can be used for your application, find your closest Linde location at www.lindecana.ca/stores or call **1-800-225-8247**.

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