

The logo for ICESONIC, featuring the word "ICESONIC" in a bold, white, sans-serif font against a dark blue background with a wavy, metallic texture.A small, stylized world map in the bottom right corner of the header banner.

BENEFITS

- [Single Hose Machines](#)
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Dry ice blasting benefits can be broken down into six general areas. Following each benefit is discussed:

[Benefit #1 - Decreased Downtime through Cleaning In-Place](#)

Typical cleaning procedures require that equipment be disassembled and moved to an assigned area for proper cleaning. That is not the case with dry ice blast cleaning. Equipment can be cleaned in-place and hot in most situations. Because of that, many time-consuming, labour-intensive steps which were required with other methods such as sand blasting can be eliminated including:

- I. Cool down
- II. Disassembly
- III. Transport of the equipment to and from a dedicated cleaning area
- IV. Reassembly
- V. Reheating time

Dry ice blasting can shorten the downtime for cleaning from days down to hours.

[Benefit #2 - Faster and More Thorough Cleaning](#)

With dry ice blast cleaning, a superior clean can be achieved while reducing hours when compared to scrubbing with abrasive pads or wire brushes. A tremendous labour savings is accomplished. In addition, the CO₂ blast method cleans in crevices that can't be reached by hand. As a result, equipment runs more efficiently and potential leaks are revealed possibly preventing major system failures.

[Benefit #3 - Elimination of Equipment Damage](#)

Cleaning methods such as sandblasting leave an aggressive and abrasive effect on the surface. They can actually remove part of the surface, changing the surface structure considerably. Dry ice is non-abrasive to surfaces and does not change a surface's structure. It lifts the contaminants away. Secondly, because equipment can now be cleaned in place, potential damage from moving equipment to and from a dedicated cleaning area is eliminated.

[Benefit #4 - Reduction or Elimination of Solvents](#)

No solvents are used when using CO₂ pellets. This can be a critical need for certain companies in order to comply with environmental regulations or to improve worker safety. There are no issues pertaining to toxicity.

[Benefit #5 - Reductions in Waste Disposal](#)

With other cleaning methods, whether it be with solvents, sand blasting or some other means, the cleaning agent becomes a secondary contaminant and must be disposed of as toxic waste along with the primary contaminant. However, with dry ice blast cleaning because the CO₂ pellet vaporizes upon contact, the only waste created is the contaminant itself. This alone can result in significant waste reduction.

[Benefit #6 - Increased Safety](#)

CO₂ blasting pellets are non-toxic, non-hazardous creating advantages to the environment, your employees, and production facility:



- I. No secondary waste
- II. Safe for the environment
- III. Safe for employees
- IV. Safe for end products
- V. Safe for equipment

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