

BENEFITS

A dry cleaning process

Dry ice blasting is a completely dry process because dry ice pellets consist of CO2 and vaporise immediately on contact with treated surfaces.

No waste disposal

The system produces no waste products. Only the coating that has been removed remains to be disposed of, and this can usually be swept or vacuumed from the floor.

Environmentally friendly

Dry ice blasting is completely non-toxic and no hazardous chemicals are used. Costs connected with the disposal of blasting materials and solvents are saved.

Gently

Dry ice blasting is non-abrasive and therefore surfaces are treated very gently. Wear and tear resulting from the use of steel brushes, scrapers and other blasting materials is avoided.

Improved production quality

Dry ice blasting often allows the company's production equipment to be cleaned while in operation without the need for dismantling and costly downtime - a significant economic benefit.

Fast and effective

The combination of extremely high cleaning speeds and a wide range of nozzles means that even normally inaccessible parts can be rapidly cleaned. No blasting materials are left on chains and drives.

Lower costs

Decreased downtime. Increased product quality. On-site cleaning without dismantling. Reduced cleaning and maintenance payroll costs. No need for hazardous chemicals and solvents. For all these reasons the investment will pay off within a very short time.

KG6



KG12



KG30



KG50



Refer to
www.icetech.dk
for more information

IceMaker PR150



www.icetech.dk /08.05

ICE TECH



DRY ICE BLASTING



US

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WHAT IS DRY ICE BLASTING?



Dry ice blasting is a revolutionary blasting method that uses dry ice pellets (CO2 in solid form) as the blasting material. The process is very environmentally friendly and provides a fast and effective alternative to traditional methods of cleaning industrial production equipment.

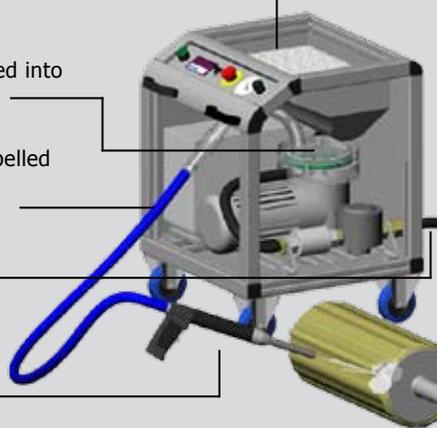
Dry ice pellets are filled into the tank

Dry ice pellets are dosed into the compressed air jet

Dry ice pellets are propelled by the airflow through the blasting hose

Compressed air supply

The blasting gun removes the coating



Dry ice blasting is a 3-step process:

1. Kinetic. When dry ice pellets are accelerated in a jet of compressed air and strike a surface at the speed of sound, they crack and loosen the coating on the surface being treated.
2. Thermal. The low temperature of dry ice pellets (-79° C/110°F) makes the coating brittle, cracks it and loosens it. This allows dry ice to permeate the coating.
3. Sublimation. Dry ice penetrates the coating and immediately sublimates (passes direct from solid to vapour state). This results in a 700-fold increase in volume, an explosive effect that lifts the coating off the surface.

THE CLEANING SYSTEM OF THE FUTURE



Electromechanics

Cleans motors and equipment with electric, pneumatic or hydraulic components directly using dry ice blasting.



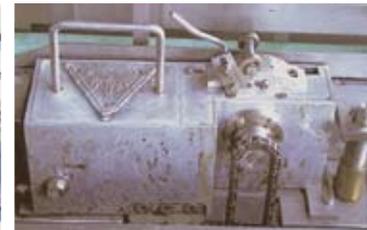
Polyurethane

Easily cleans polyurethane foam from production equipment using dry ice blasting as the quick and gentle cleaning solution.



Food Industry

Effectively cleans glue, paper dust and product residue from packaging machines without using water and chemicals.



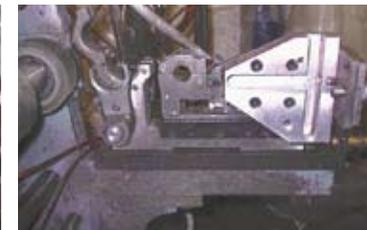
Plastics

Gently removes plastic coatings and polyurethane.



Printing

Effectively removes wet and dry ink, spray powder, paper dust and glue from glue applicators.



Conveyor systems, chains, belts etc.

Cleans chains and belts etc. directly using dry ice blasting.

