



AMS
ASSET MAINTENANCE SOLUTIONS
BY TSG ENTERPRISE

A GREEN TECHNOLOGY COMPANY

OUR VISION

Reduce nature harm with technology, to create value for customer.

TSG Enterprises

69,Unit-2 TSG complex, Najafgarh road, Moti Nagar crossing, New Delhi

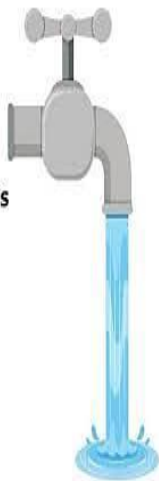
WE REUSE RECYCLED CO₂ TO REDUCE WATER AND CONTAMINATION

WATER CRISES IS THE GLOBAL CRISES



DOWN THE DRAIN

How India's states fare when it comes to managing their water resources.



WATER POLLUTION is the contamination of water sources by substances which make the water unusable for drinking, cooking, cleaning swimming, and other activities.

Water wash of underbody and engine of the single car leads to wastage and contamination of lots of water

Reduce the usage of water by cleaning your valuable assets with Dry ice blasting method instead of using ground water and save it for the future generations.

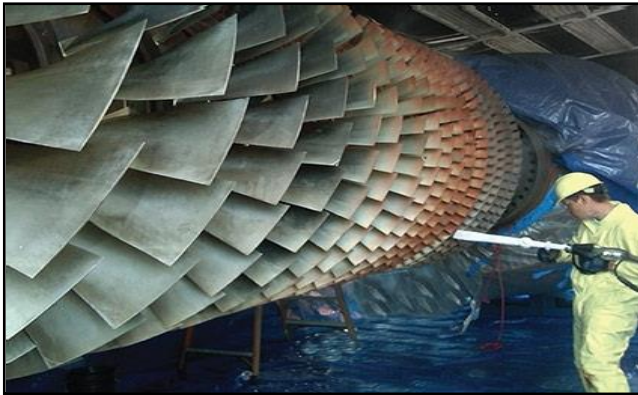
54%
of India
Faces
High to
Extremely High
Water Stress



RAIL INDUSTRY



POWER INDUSTRY



AEROSPACE INDUSTRY



OIL & GAS INDUSTRY



MOULD INDUSTRY



FOOD & BEVERAGE INDUSTRY



TYRE INDUSTRY



WALL



OIL & GAS INDUSTRY



WOOD INDUSTRY



MARITIME INDUSTRY



AUTOMOTIVE INDUSTRY

About us



OUR MISSION

- Protecting the Environment.
- Improving organization efficiency
- Ensuring employee safety

CORE VALUES

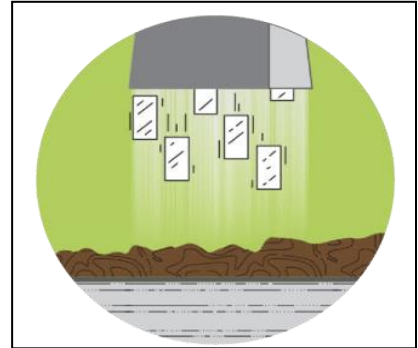
- Enhancing operational efficiency
- Prioritize the worker safety
- Advancing dry ice technology

AMS IS GREEN TECHNOLOGY COMPANY.

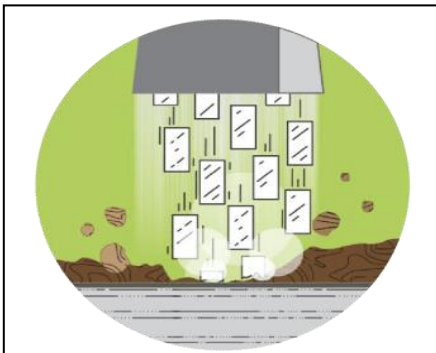
AMS is specialized in environmentally responsible restoration, surface preparation, part finishing, Dry ice supply system and contract service cleaning. Dry ice blasting is a form of abrasive blasting, where dry ice is accelerated in a pressurized air stream and directed at a surface in order to clean it. Dry ice blasting is a powerful, gentle, dry and ecologically friendly cleaning method applied in many industries.

- The cleaning process applies a combination of three phenomena.

KINETIC SHOCK



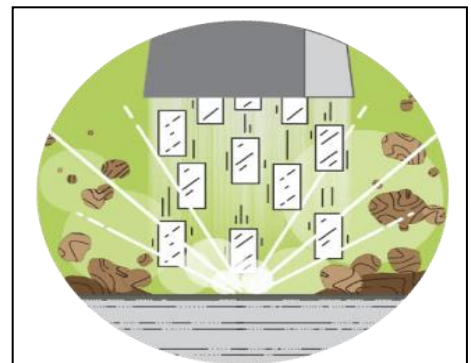
The impact velocity of dry ice pellets on a contaminated surface can exceed even the speed of sound.



THERMAL SHOCK

Contaminated layers become brittle after rapid cooling and are gradually released from the cleaned surface.

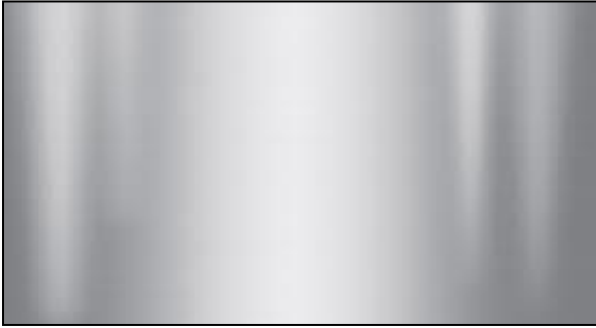
SUBLIMATION



After contact with the contaminated surface, the pellets change their physical state and become a vapour, perfectly removing any contamination.

WHAT SURFACE CAN BE CLEANED

TYPES SURFACES THAT CAN BE CLEANED BY DRY BLASTING



STAINLESS STEEL



ALUMINIUM



TYRE



PAINTED



WALLS



POWDER COATED SURFACE

BENEFITS OF DRY ICE



Non-abrasive - since surfaces are treated extremely gently. Wear and tear resulting from use the steel brushes or other blasting media is avoided



Reduce downtime - Significantly quicker process leads to increased production time.



No secondary waste - Dry ice blasting does not produce secondary waste streams, residue or moisture.



Environmentally responsible - Dry ice is made of reclaimed CO₂ and does not add additional CO₂ to the atmosphere.



Non-toxic and non-conductive - Dry ice is a food grade media and is safe for commercial use.



Increase efficiency - Clean equipment online, while eliminating need for cool down and disassembly



Cost effective - significantly reduces cost by saving on plant downtime, process and labors.



Supports sustainability - Eliminates of harmful chemicals and water



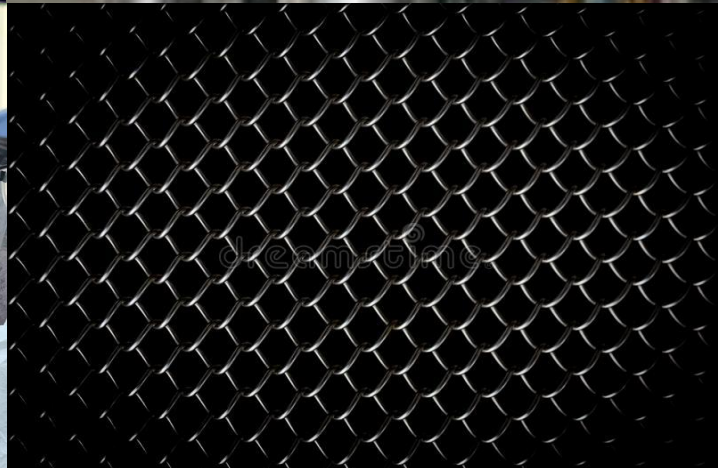
Sanities the surfaces - Because of its ultra- low temperature of -78.5 C, a sanitising effect. Allergen contamination is removed and surfaces are sterilized while mould and bacterial growths are inhibited

WHAT EQUIPMENT CAN BE CLEANED ?

WHAT OF EQUIPMENT DRY ICE BLASTING CAN CLEAN



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WHY IS DRY ICE BLASTING BETTER?

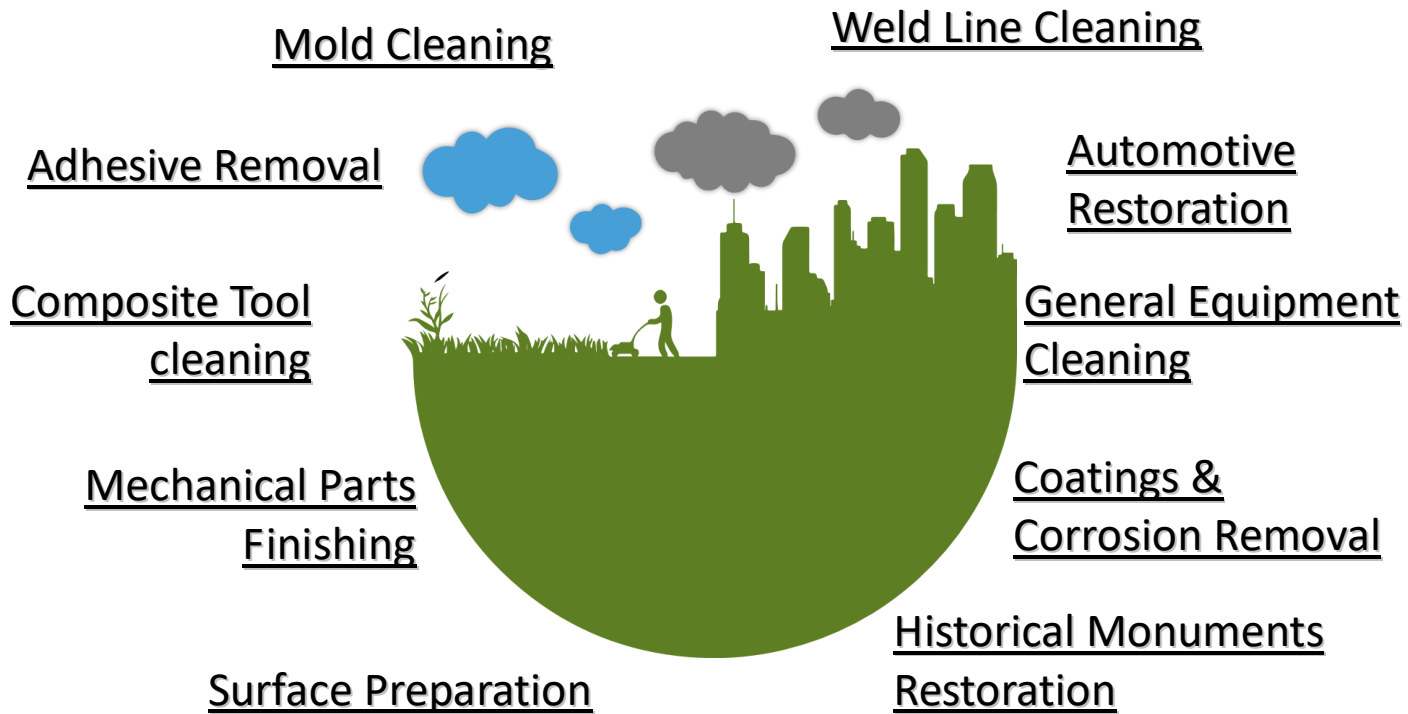


MATERIAL DRY ICE BLASTING REMOVES

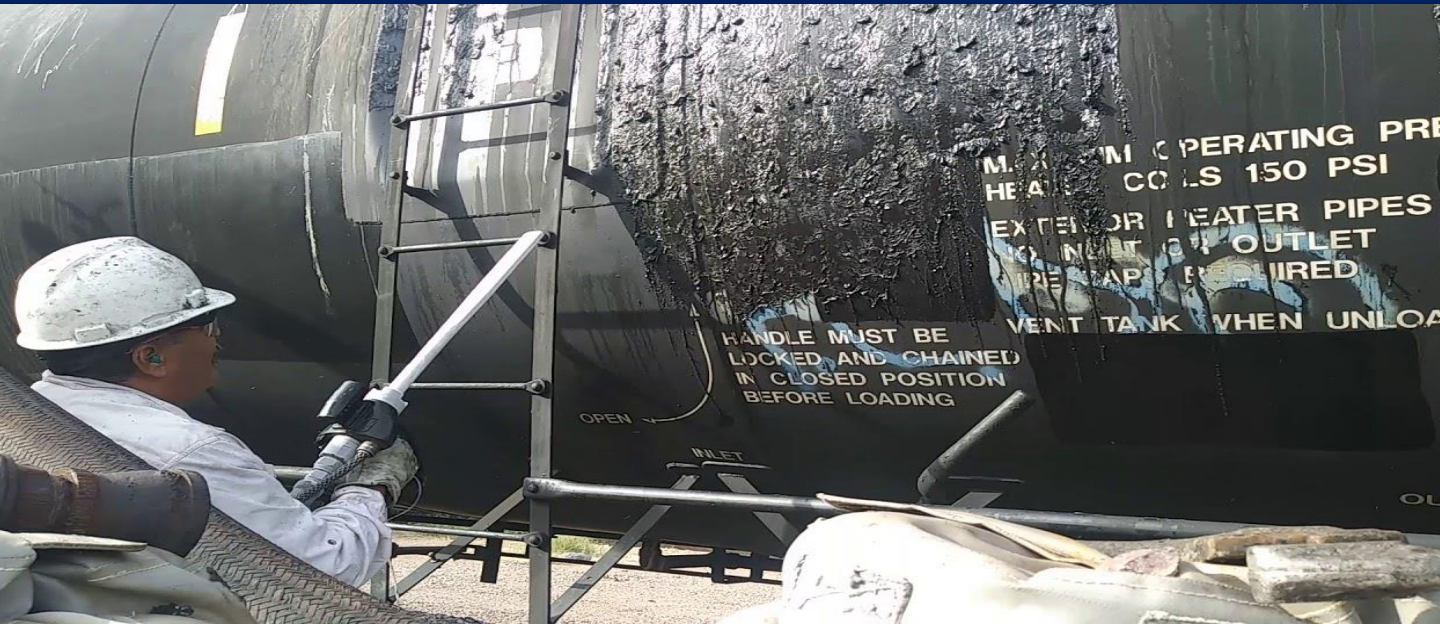
Mould, Algae, Dirt/Dust, Soot/Carbon, Paint, Milk Products, Fats/Grease, Chewing Gum, Fruit/Vegetables, Sugars/Syrups, Ink, Flour/Grains, Pathogens/Bacteria, Hydrocarbons, Adhesives/Resins, Manufacturing Residue, Cement/Blaster, Rust and Scale/Stains Tar and Bitumen, Expanded

INDUSTRIES WHERE DRY ICE BLASTING TECHNOLOGY CAN BE USED

- MINING
- PRINTING
- TEXTILE
- FOUNDRY
- OIL AND GAS
- PACKAGING
- AUTOMOTIVE
- MEDICAL DEVICES
- RUBBER AND TYRE
- FOOD AND BEVERAGE
- ENGINEERING WOOD
- POWER GENERATION
- CONTRACT CLEANING
- PLASTIC AND COMPOSITE
- PUBLIC TRANSPORTATION
- RESTORATION AND REMEDIATION
- INTEGRATED FACILITY MANAGEMENT



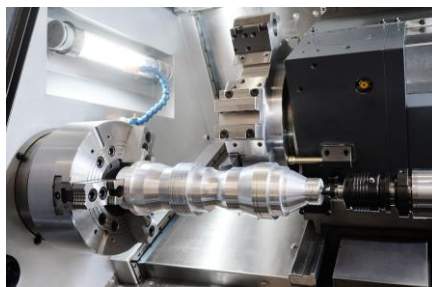
WHAT EQUIPMENT CAN BE CLEANED BY DRY ICE



IN INDUSTRY, MACHINERY DIRT IS REMOVED BY DRY ICE BLASTING



MARINE INDUSTRY



GENERAL MANUFACTURING



PHARMA INDUSTRY



AUTOMOBILE INDUSTRY



POWER PLANT

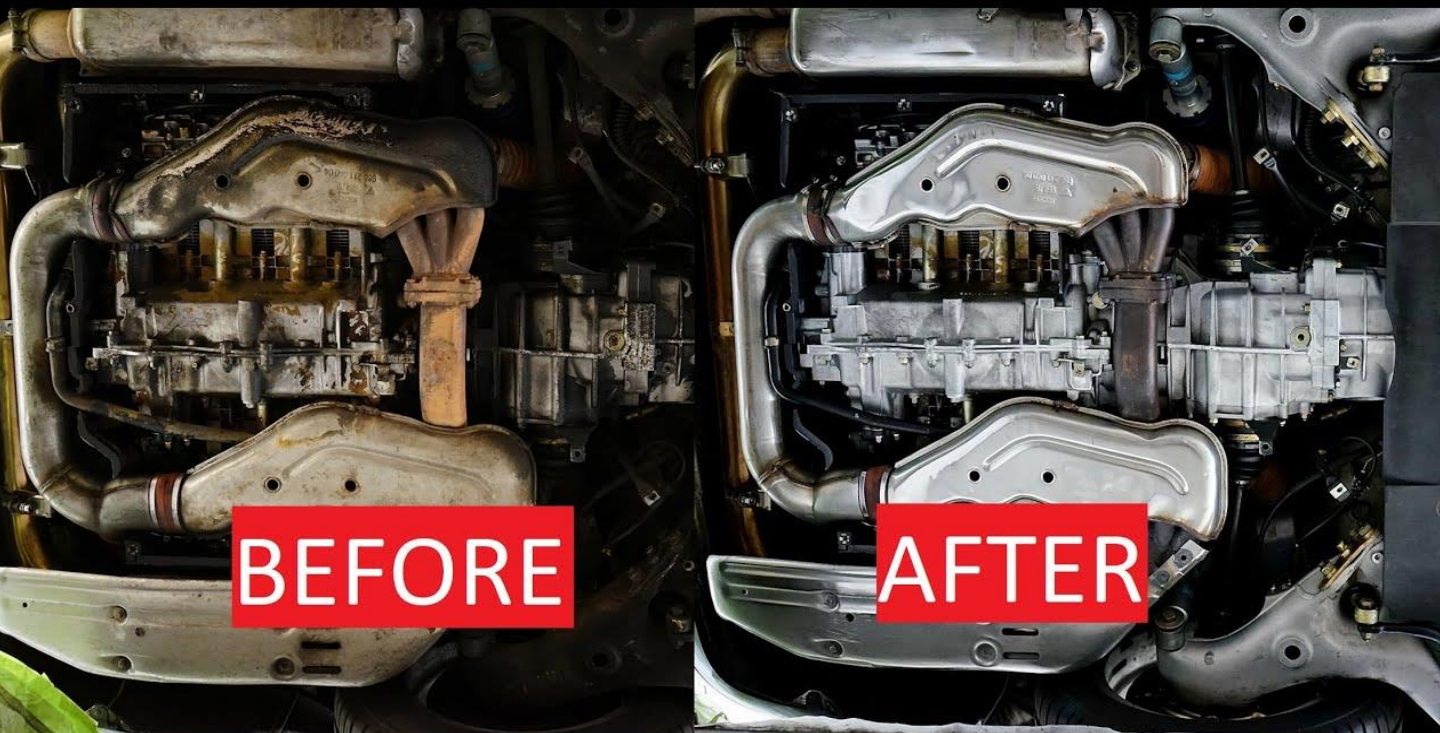


PRINTING INDUSTRY

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How does DIB compare to other conventional methods of cleaning?

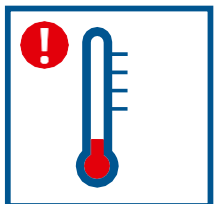
Cleaning Method	Abrasive	Secondary Waste	Environmentally Responsible	Toxic	Electrically Conductive
DIB Method	No	No	Yes	No	No
Abrasive Blasting	Yes	Yes	No	*	No
Soda Blasting	Yes	Yes	No	*	No
Pressure Washing	No	Yes	No	*	Yes
Solvents/Chemicals	No	Yes	No	Yes	N/A
Hand Tools	Yes	No	N/A	N/A	N/A



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AMS Safety instructions for dry ice.



Very cold Dry ice has a temperature of -78.5°C . Any contact with skin and eyes could lead to burns.



Protect your eyes. Always use face protection and safety glasses with patches with handling Dry ice.



Always use special insulated gloves. Never handle dry ice with your bare hand a long sleeved shirt, long trousers and shoes are also recommended.



Ingestion. Do not put Dry ice in your mouth or otherwise ingest it. If Dry ice is accidentally ingested, it can cause severe internal injury.



Keep away from children. Dry ice is not ice – cream. It should only be handled by adult



Transport. Transport dry ice in the boot of your vehicle or truck bed. It must never be stored in the passenger compartment of the vehicle without proper ventilation. Never leave dry ice in a parked passenger vehicle.

CONTACT US



7 Days open
From 9:30 AM to 7:00 PM



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