

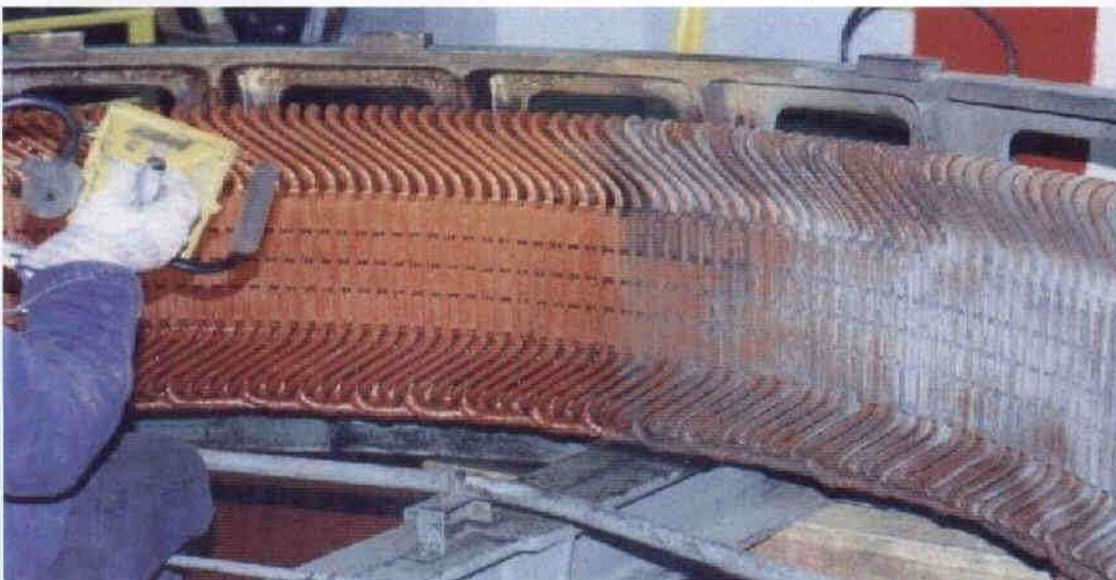
CO₂ (Dry Ice) Cleaning

Services

CO₂ (Dry Ice) Cleaning is the answer to all your in plant cleaning requirements. The Dry Ice process can be used on all applications found within your facility. This is an excellent process to remove paint, grease dirt, mould, soot and loose rust. CO₂ (Dry Ice) Cleaning is a process in which dry ice particles are propelled by compressed air. Dry Ice particles impact the surface at high velocity cleaning contaminates from the surface. When removing brittle contaminants such as paint, the process creates a compression tension wave between the coating and surface. This wave has enough energy to overcome the bonding strength and the contaminate is popped off from the inside out. The cleaned surface is dry and ready for re-painting.



Removing malleable or viscous coatings such as oil, grease, soot or wax poses no obstacle. The cleaning action is a flushing process similar to high-pressure water. The dry particles hit, compress and mushroom creating a high velocity snow flake which actually flush the surface. CO₂ Dry Ice Cleaning action is very different when compared to sandblasting. Sand will cut or chisel away the contamination. Dry Ice lifts the contaminate away like a spatula. The dry ice then sublimates and returns to the atmosphere as carbon dioxide gas. CO₂ is a naturally occurring element which constitutes less than 1% of our atmosphere. Only the contaminant remains and is ready for easy disposal.



CO₂ (DRY ICE) CLEANING SERVICES



Magneto Electric's

CO₂ (DRY ICE)

CLEANING Provides:

- No secondary waste
- Cost effective
- 100% water free
- Food grade
- Environmentally safe
- Non-abrasive

**"Let us blow your
dirt away"**

**Magneto
Electric**

Service Company Limited - Since 1946

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What are the advantages of CO₂ cleaning compared to more conventional methods

TABLE OF COMPARISONS

Pressure/Blast Cleaning Technique	Waste for Disposal	Abrasive	Health Hazards	Electrically Conductive	Cleaning Methods Overall Effectiveness
Dry Ice (CO₂)	No	No	No	No	Excellent
Hot Water	Yes	No	No	Yes	Limited
Steam	No	No	No	Yes	Limited
Water/Surfactant	Yes	No	No	Yes	Limited
Water/Solvent	Yes	No	Yes	Yes	Limited
Aluminum Oxide	Yes	Yes	Silicosis	No	Highly Aggressive
Metal Shot	Yes	Yes	No	No	Highly Aggressive
Glass Beads	Yes	Yes	Irrespirable Dust	No	Highly Aggressive
Sodium Bicarbonate	Yes	Yes	Irrespirable Dust	No	Highly Aggressive
Sponge Blast	Yes	Yes	Silicosis	No	Highly Aggressive
Pumice	Yes	Yes	Silicosis	No	Highly Aggressive
Plastic Beads	Yes	Yes	Irrespirable Dust	No	Highly Aggressive

Industries & Application

- Printing Machines
- Food & Beverage Processing
- Power Station Maintenance (Generators, Transformers, Insulators)
- Pulp & Paper (Motors)
- Automotive Assembly (Robot Welding)
- Mine Equipment
- Marine (Boat Maintenance)

- Electrical/Electronic Equipment
- Rubber & Plastic Injection Molding
- Industrial Maintenance & Cleaning Services
- Disaster Recovery (Promoted by the insurance industries for cost-effectiveness)
- Graffiti Removal
- Building Facade & Monuments
- Historic Restoration



CO₂ DRY ICE CLEANING EXCEEDS ALL OTHER METHODS