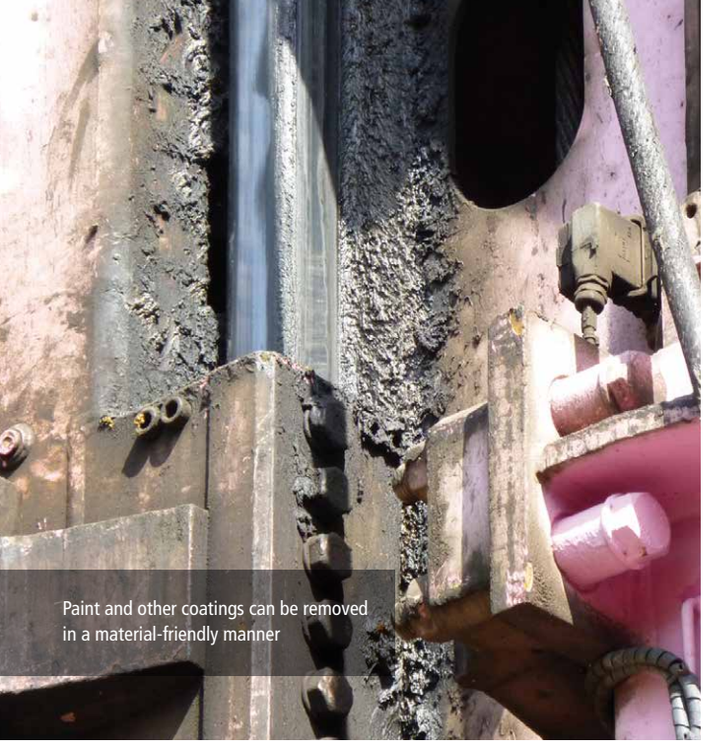

Paint and other coatings can be removed in a material-friendly manner

> Fields of application:

- Power plants and waste incineration plants
- Steelworks and foundries
- Timber-processing industry
- Baking and food industry
- Electrical industry
- Packaging industry
- Plastics industry
- Automotive industry
- Tire industry

Can we help you?
Feel free to contact us!

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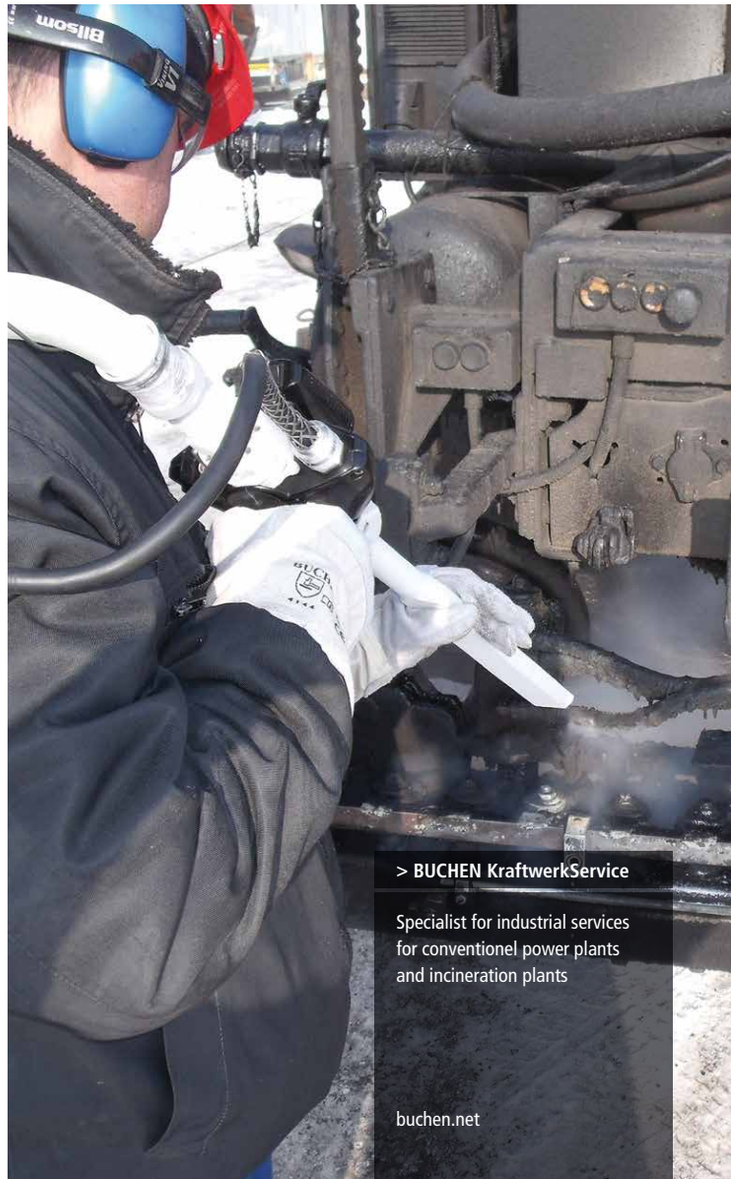
Ice pellet blasting method



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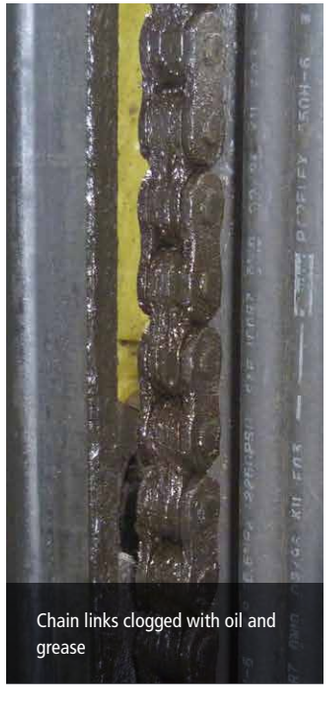
Dry-ice blasting

The ice pellet blasting method is an environmentally and material-friendly method for the surface preparation and cleaning. It is ideally suited for the removal of fouling from metal parts and surfaces.

With this cleaning method, dry-ice pellets made of frozen carbon dioxide (-79 °C) are accelerated to a high speed, and shot towards the surface to be cleaned. For certain fire damages, it is possible to perform the initial cleaning operations in a gentle manner with the help of our ice pallet blasting method. So far, the method has proven to be successful after fire incidents in electrical equipment or distributing cabinets of communication systems! The method induces a "thermal shock" since the surface is instantaneously cooled, which causes the coating and fouling to contract. As a result of this sudden volume reduction, cracks are formed and the material becomes brittle.

The dry-ice blasting method offers a reasonable and financially interesting alternative to conventional cleaning methods, such as water high-pressure cleaning or sandblasting



Chain links clogged with oil and grease

After dry-ice blast cleaning

Since the ice pellets hit the material at high velocities, the cracked deposits are removed from the surface. Upon impact, the volume of the dry ice increases by a factor of 700 and changes it immediately from solid to gaseous state of aggregation (sublimation).

Application areas: For the cleaning of

- Tools and equipment
- Moulds, containers and vessels
- Crowns, driers and ventilation units
- Filling, production and mixing plants
- Switchgear systems and insulators
- Motors, generators and turbines
- Conveyor pulleys and belts
- Hot moulds and tiles
- Fire damage restoration

as well as the removal of

- Tinder and slags
- Coal and grease residues

The cleaning effect of the dry-ice blasting method is based on the thermal and kinetic energy of the pellets, by which the fouling is brittle and loosened. The sudden change of the physical condition of the blast material removes fouling from the surface.

> Your advantages at a glance

- No blast agent residues
- Gentle to surface - non-abrasive
- No assembly/disassembly required
- Higher degree of occupational and fire safety
- Cleaning of moisture/water-sensitive systems is possible
- Environmentally friendly
- No release of harmful gases
- No generation of secondary waste
- Safe and non-toxic