



Bringing cleaning to a whole new level!

The latest in dry ice cleaning technology, the COOLMASTER meets the widest variety of challenges. Developed with the aim of permanently changing the cleaning industry, the COOLMASTER is setting new cleaning standards for all industries.

The COOLMASTER starts where other cleaning methods and devices reach their limits. Unbeatable for flexibility and range of application, the COOLMASTER is perfect for removing contaminants in all sectors. Particles of various sizes, surfaces and degrees of soiling are cleaned efficiently and powerfully, yet gentle to the material with the COOLMASTER.

The COOLMASTER saves resources and is less time consuming than traditional cleaning methods. The COOLMASTER reduces the downtime of machines, as they often do not need to be dismantled, and can be cleaned right in place.

The COOLMASTER sets itself apart with its ergonomic, modern design and provides the new standard in quality and performance, while improving economic efficiency!



AREAS OF APPLICATION:

Plastics Industry

Injection molds, extrusion dies, tool cleaning, deburring & deflashing

Restoration & Facility Cleaning

Post-fire restoration, mold removal, wood, graffiti, historical restoration

Electronics & Energy Industry

Circuit boards, soldering units, transformers, electric motor, compressors

Medical Device & Implant Industry

Silicone molds, catheter, stents, surgical instruments, PEEK & plastics

Transportation Industry

Engine compartment, interior, underside, rims and brakes

Car wash systems

Washing technology, aggregates, control technology, dosing pumps

Food industry

Conveyor belts, filling systems, packaging machines, baking lines, ovens

Aviation industry

Turbines, engine parts, composites, landing gear, seat assembly, tool cleaning

Automotive

Mold cleaning, welding, engine components, surface preparation of plastics

The COOLMASTER works great on sensitive or hard to clean surfaces, heavily soiled motors, molds & tools!



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Flexible, Robust and Versatile

The COOLMASTER is flexible and can be used in all industries to remove dirt of any size from any surface. The COOLMASTER is highly robust and with a low level of noise and can be used in a variety of industrial environments. The device sets itself apart with its performance and modern, ergonomic design.



Precise and Thorough Cleaning

The COOLMASTER uses dry ice to powerfully and effectively clean even the most sensitive surfaces and hard to reach areas. It works gentle enough to clean without causing any damage to the material. The procedure is dry and therefore requires no water or detergent. Remedies of dirt particles can easily be disposed of after the cleaning process is done.



Quiet, Portable and Easy to Operate

The COOLMASTER weighs approx. 80 lbs (36 kg) and is portable. The setup is simple, and the equipment can be used right away with minimal basic training. A built-in interface offers the possibility to individualize programs and settings with the option to connect automation solutions.



Optimizes Workflows & Saves Costs

The COOLMASTER can clean during ongoing operations, greatly reducing machine downtime and increasing production. Since there is no damage to surfaces, it extends the lifespan of forms and tools, thus enabling a reproducible product quality.



Economical operation

The COOLMASTER uses an average of approx. 33-40 lbs (15-18 kg) of dry ice per hour. Already existing compressed air systems can be hooked directly to the COOLMASTER, as the device only needs an average of 600-700 l/min (21 CFM) of compressed air. The air pressure can be regulated for noise-optimized working.



Environmentally Friendly – No Chemicals

Cleaning with the COOLMASTER requires absolutely no water or chemicals. In addition, no blasting residues remain after cleaning, so that there is no strain on the environment. The CO2 required to produce dry ice is edible and is gained from natural resources in the earth or as recycled by-product of industrial processes.

Grinder settings:

Depending on the structure of the surface, the required size of dry ice particles can be set within seconds and adjusted to changing conditions. Whether coarse or fine, sensitive or robust, you can easily choose the suitable particle size between 0.2 and 3 mm with the help of the color-coded area on the dosing lever.



Compressed air settings:

Next to the setting of the particle size, the adjustment of compressed air is essential for an effective and precise cleaning procedure. The homogeneous blast of compressed air allows pressures as low as 7 psi (0.5 Bar) up to 145 psi (10 bar) and can be changed through the program in the menu. Default values are defined to make the compressed air settings as simple as possible. However, it can also be adjusted individually in the user menu.

Choice of blasting nozzle:

If the particle size is set, only the blasting nozzle needs to be configured with the blasting gun according to the color-coded area and particle size. The nozzles can be easily changed under all operating circumstances, only needing to be screwed in and out of the blasting gun.



Available as accessory, the nozzle suitcase (pictured right) was developed in collaboration with our customers to offer a significant extension of applications.

We offer a wide range of nozzles, from fine blasting nozzles, flexible nozzles, as well as a flat nozzle for more cleaning coverage. Included are tube extensions and pipe bends to allow cleaning for difficult to access areas and parts.

