

MEDIA BLASTING SERVICES



MOLE-MASTER™
SERVICES CORPORATION

WHAT IS MEDIA BLASTING?



Media blasting is an all-encompassing term used to describe a wide variety of abrasive blasting. Commonly referred to as sandblasting in the past, media blasting has become the preferred term as it can refer to any type of abrasive blasting or dry ice blasting. Because using sand can carry serious health hazards, many types of other materials are used today with soda blasting the most common.

Media blasting is most often used to remove unwanted rust, old paint, dirt, grease, etc. off of a myriad of surfaces.

How Do Dry Ice Blasting and Abrasive Blasting Differ?

Abrasive blasting uses high pressure to forcibly propel media against a surface. There are numerous types of media that can be used, but soda blasting may be the most common type.

Dry ice blasting utilizes high-density CO² pellets, which are propelled through a high-velocity air stream. While abrasive blasting uses rough materials to clean surfaces, dry ice blasting freezes the substrate. The material becomes brittle and then is extremely easy to remove.

Dry ice blasting and abrasive blasting can be used for most of the same applications, but dry ice blasting is ideal for projects where there is a need to conform to EPA, USDA, and FDA guidelines because it is nontoxic. Dry ice blasting also creates less mess, so clean up can be completed faster.

Media Commonly Used for Abrasive Blasting

- Sodium Bicarbonate (soda blasting)
- Walnut shells
- Glass beads
- Plastic
- Aluminum oxide
- Steel shot
- Crushed corn cobs
- Crushed glass
- Pumice
- Silicon Carbide
- Coal slag



MEDIA BLASTING APPLICATIONS

Media Blasting can be used to remove unwanted material for a diverse range of applications in numerous industries, including all of the following:

Mold Cleaning— Hot, In Place

- Rubber and plastic
- HDPE and PET containers
- Reaction foam

Food

- Silos and bins
- Conveyor and stationary bake ovens
- Wafer oven plates
- Bacon fryers
- Oven stacks and duct work
- Mixers and other processing equipment
- Equipment sterilization

Ethanol

- Silos and bins
- Thermal oxidizers
- Heat exchangers
- Dryers
- Stacks and duct work
- Piping, tanks, and other process equipment
- No wastewater to handle

Electrical Equipment

- Motors; windings, armatures

- Switch gear
- Transformers
- Sub-stations
- Circuit boards
- Wiring runs and cable trays

Pulp and Paper

- Silos and bins
- Paper making machine cleaning
- Surface preparation

Surface Preparation for Inspection and Testing

- Silos and bins
- Storage tanks
- De-aerators
- Boiler; steam & mud drums
- Magnetic particle inspection
- Coatings removal

Automotive Parts Manufacturing

- Equipment cleaning
- Robotic welding equipment
- Weld splatter remover
- Painting systems cleaning



- Mold cleaning
- Carriers

Automotive Assembly

- Tire/rim assembly equipment
- Rubber from test & alignment equipment
- Windshield & body sealant
- Personnel cooling fans
- Limit switches
- AGV guide tape

General Cleaning

- Silos and bins
- Complete removal of oil and grease
- Fire restoration
- Graffiti removal
- Mold remediation

Foundry

- Silos and bins
- Core boxes—including screens
- Permanent aluminum molds

Soap

- Heat exchanger plates
- One- and two-piece cosmetic molds

Marine

- Anti-fouling paint removal
- Blistered fiberglass repair

Aviation

- Landing gear
- Brake components
- Engine cleaning
- Adhesive & sealant clean-up

WORKING WITH MOLE•MASTER

Whether your application requires abrasive blasting or dry ice blasting, Mole•Master makes sure that safety is job one. Plant air and standard 110 electric are all we need to complete your surface preparation, cleaning, or sanitization job safely, efficiently, and effectively. Contact us today for a demo or to learn more.



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