

10 REASONS



To Try a Vapor Abrasive Blaster

For Your Next Surface Preparation Project

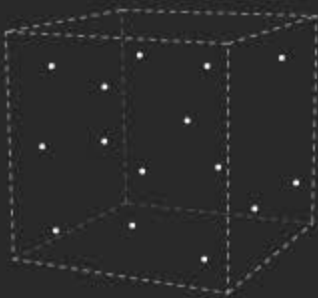
1

Vapor Abrasive Blasting Suppresses Dust

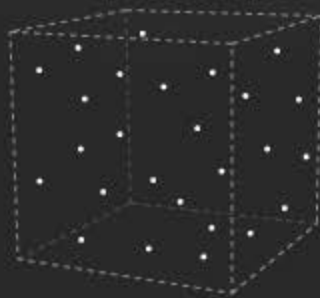


When particles pulverize on impact the debris is **trapped** in a water jacket.

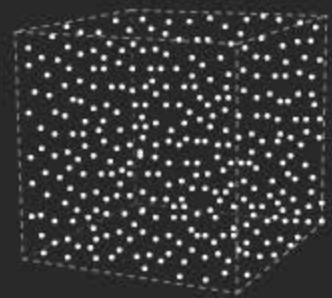
This suppresses dust up to 92% compared to dry blasting.



Permissible Exposure Level
15 mg/m³
Dust (OSHA)



Vapor Abrasive Blaster
26 mg/m³
Particle Density, Garnet Dust



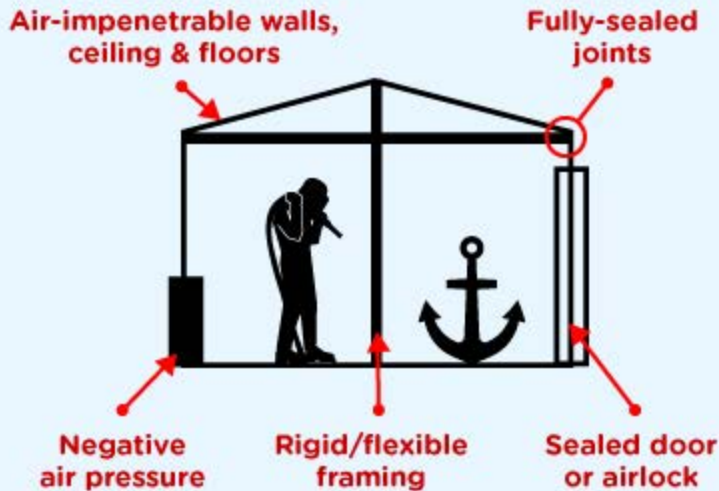
Traditional Dry Blaster
294 mg/m³
Particle Density, Garnet Dust

2

Minimal Dust = Minimal Containment

In many cases, where full containment is required for dry blasting, the requirements for vapor abrasive blasting are **much less stringent**.

Traditional Dry Blasting



Vapor Abrasive Blasting



Less work assembling, disassembling and moving containment, less material cost of containment + **the job gets done faster.**

3

Vapor Abrasive Blasting is Safer

Traditional Dry Blasting



Vapor Abrasive Blasting




No dust cloud or mud splatter = Increased visibility for operators = Less workplace accidents

4

Vapor Abrasive Consumes Less Media

Wet particles do more work due to increased mass and hydrostatic force so blasters can use a **finer grade of abrasive**, resulting in **more impacts**, and **lower media consumption rate**.



The infographic features two triangles of different sizes. The larger, yellowish triangle on the left represents traditional dry blasting, and the smaller, red triangle on the right represents vapor abrasive blasting. A black silhouette of a van is positioned at the base of the larger triangle. A black banner at the bottom contains a footnote.

Amount of media consumed per year by traditional dry blasting*

Amount of media consumed per year by vapor abrasive blasting*

*average of 6 hours/day blasting, 5 days/week, 50 weeks/year, with a 1/2" nozzle at 100 p.s.i.

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Vapor Abrasive Consumes Less Water

UP TO **80%**
LESS WATER
THAN SLURRY
BLASTING

+
no big, gritty
mudpuddle to clean up,
treat and dispose of



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Less Operator Strain

With Vapor abrasive blasting, water and abrasive are mixed under pressure in the tank - **no pulling on 200ft of garden hose attached to the nozzle.**

25 lbs + **38 lbs** = **63 lbs**

weight of 200 ft
of garden hose.

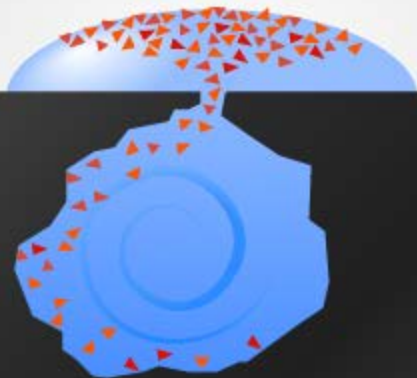
weight of water in
200 ft of garden hose.

extra weight attached
to your WIN nozzle
halo ring.

7

Vapor Abrasive Cleans + Washes Surfaces

Vapor abrasive blasting cleans surfaces like sandblaster, only better. It **washes rust out of pits and crevices** and **rinses off soluble salts** and other contaminants **that cause flash rust.**



8

Equipment Lasts Longer

Because the abrasive comes out of the pot lubricated, it causes **less wear** on your **nozzles, hoses** and **valves**.

Vapor Abrasive Blasting



1/8" nozzle
tungsten carbide
after 400 hours
of blasting

Traditional Dry Blasting



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Vapor Abrasive Has More Applications

With **highly adjustable pressure**, vapor abrasive blasters can prepare a wide range of substrates - from blasting white metal to cleaning delicate surfaces - making it a **versatile workhorse**.



Metal Blasting &
Surface Prep



Concrete
Cleaning



Marine
Maintenance



Disaster
Recovery



Antique
Restoration

10

Blast Economically in More Environments

With **reduced containment and cleanup**, vapor abrasive blasters can take on projects that would be expensive for traditional dry blasting, such as **within municipalities** and in **environmentally sensitive areas**.



THE BOTTOM LINE

Vapor abrasive blasting **reduces operating costs** substantially and **expands blasting opportunities**.

Discover how vapor abrasive blasting is changing the industry.
Ask your local distributor for a demonstration.

BLAST JOURNAL



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