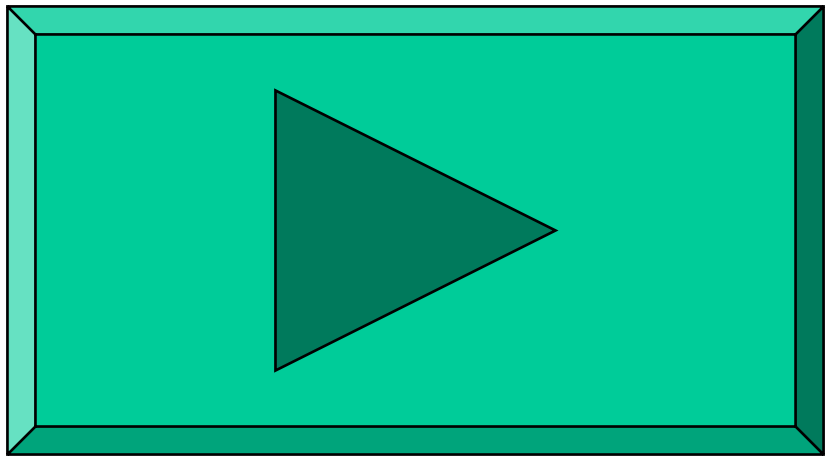
Sponge-Jet and the Sponge Blasting™ System

Continue Other Activities During Surface Preparation

Sponge Blasting:

- Reduces dust
- Less rebound
- Less containment
- High overall productivity

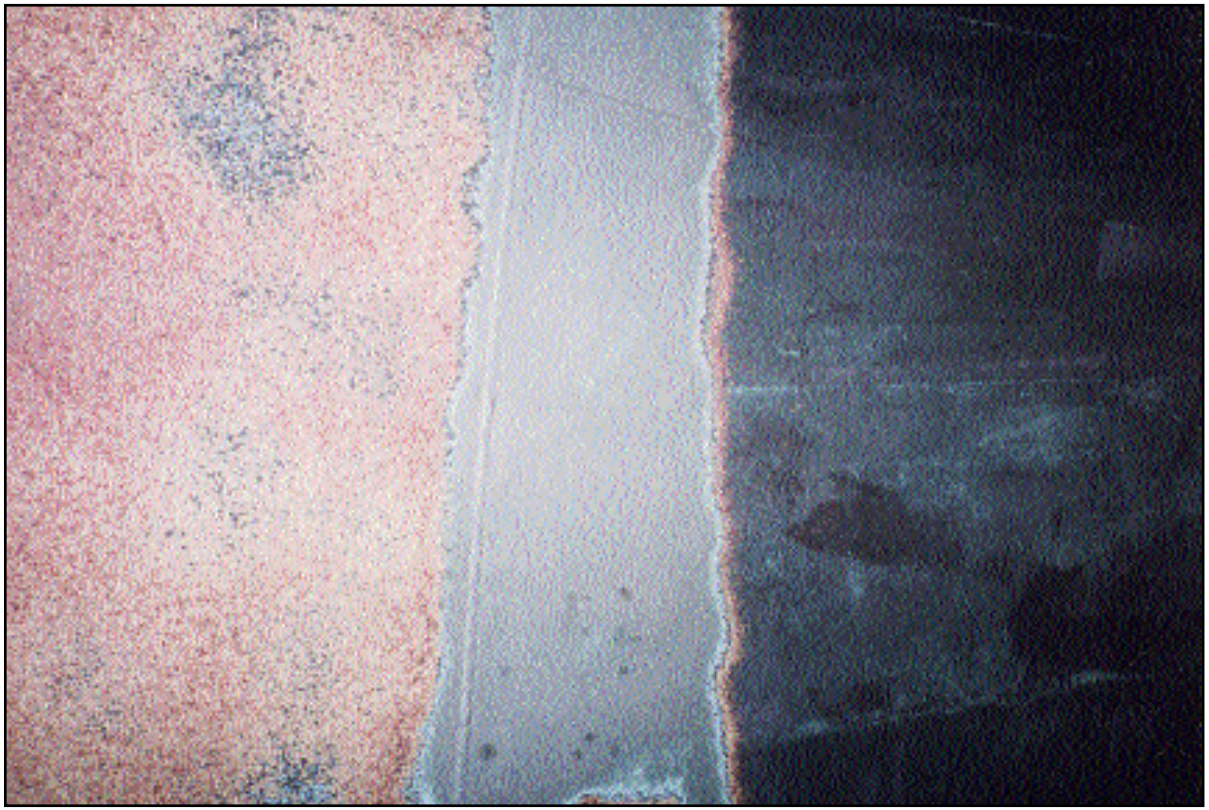


Sponge- Jet Low Dust Video

Why Create 5,500 Times the Dust?

Blasting with Sponge Media™ abrasives can reduce dust levels as much as 99.9% when compared to traditional abrasive blasting.

Profile 0-100+ Microns With One System



The same abrasives commonly used - steel grit, aluminum oxide, Dupont Starblast,® glass and plastic, but enhanced by bonding them to urethane sponge

SPONGE-JET®

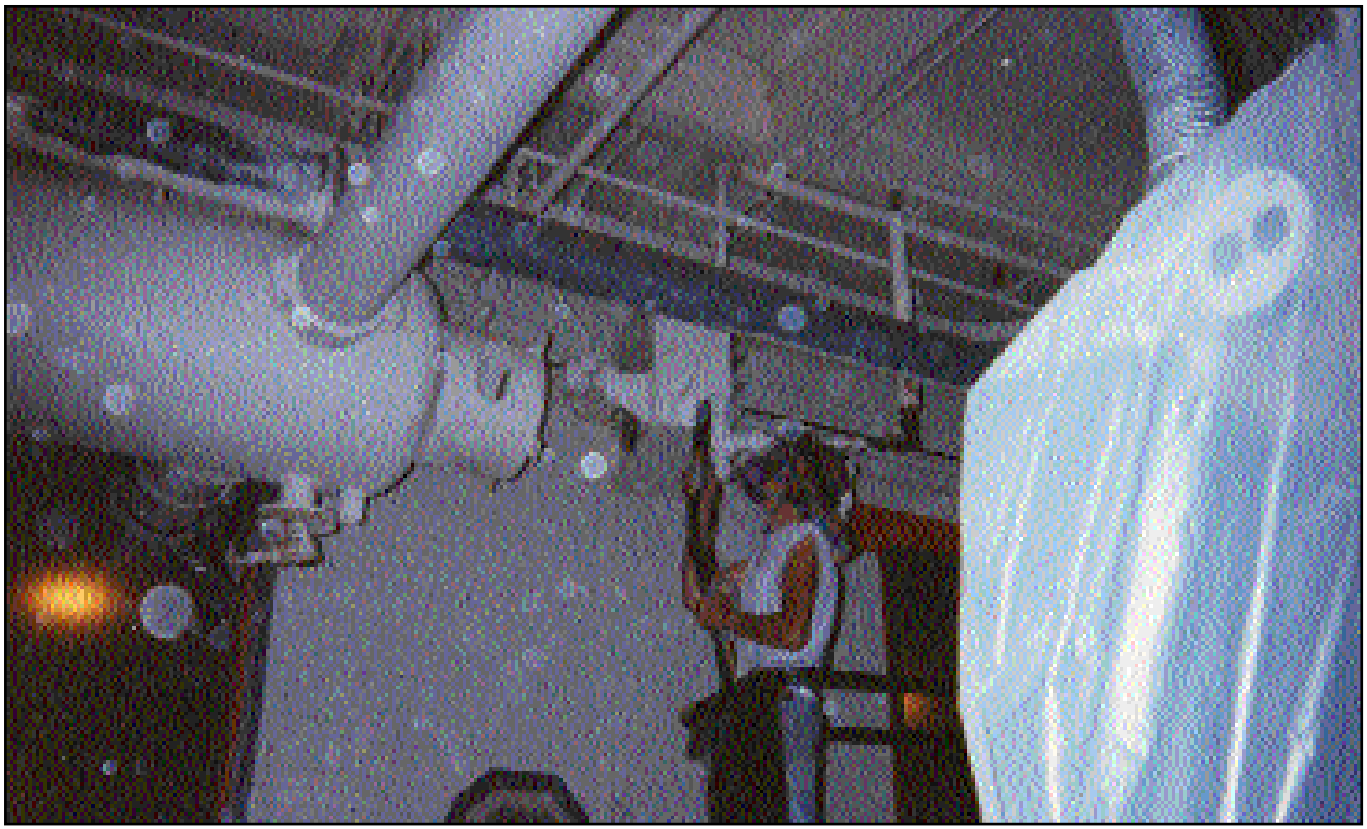
Virtually Eliminate Rework

How can you expect first-pass quality prep if you can’t see your work? Sponge-Jet lets you see clearly and gives you the ultimate control.

Remove More Chlorides Faster

Test after test, Sponge-Jet does achieve specified levels without the need to rinse and reblast like conventional abrasives.

Blast When and Where You Want

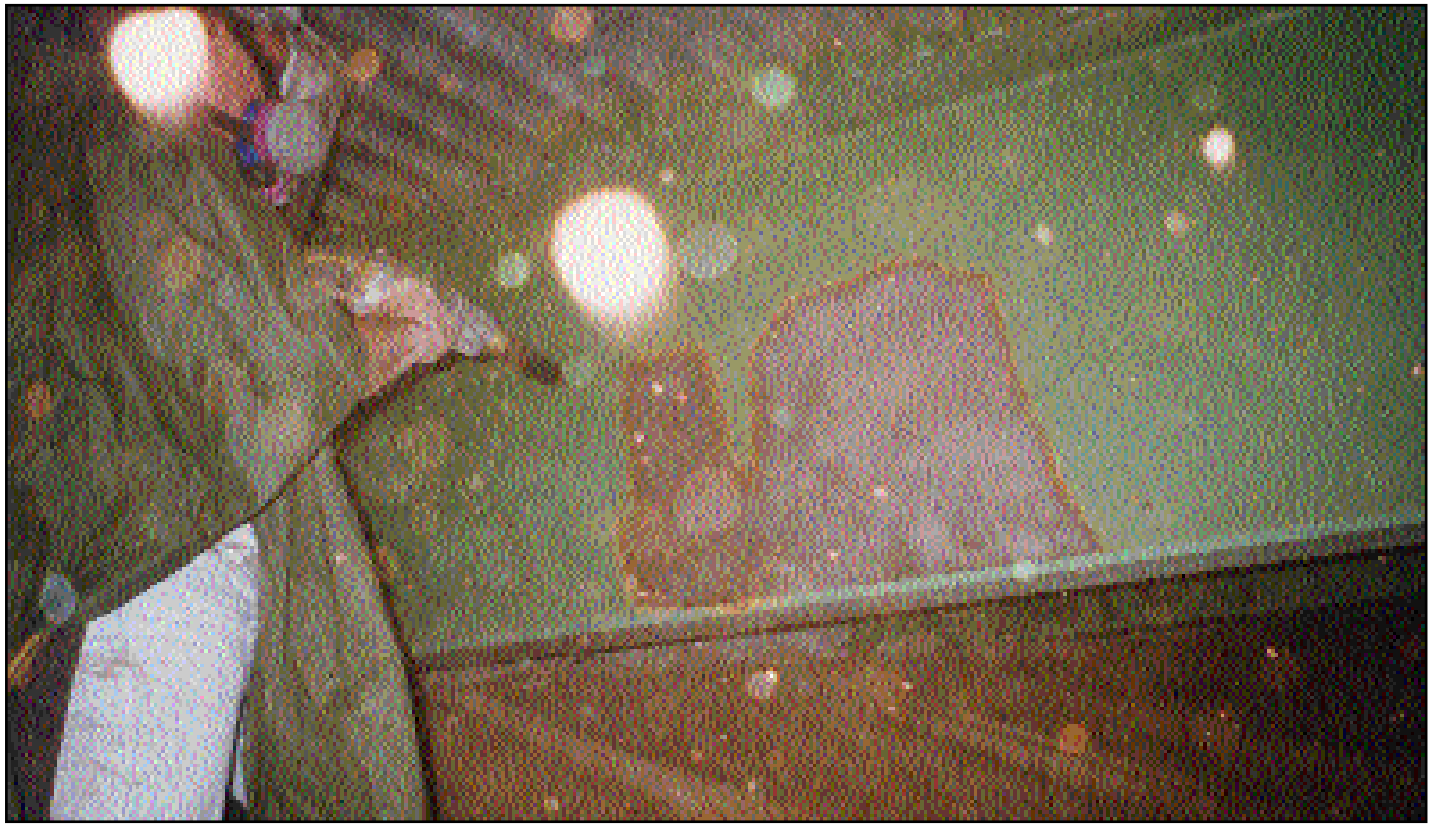


Sponge Media abrasives reduce rebound energy causing less damage to surrounding surfaces and sensitive machinery.

Easier and Faster Cleanup

Support personnel can easily sweep or vacuum Sponge Media™ abrasive (and the trapped dust particulate) more easily than traditional abrasive media.

New High Production Systems



The large bore Sponge-Jet Feed Unit™ conveys more Sponge Media abrasive to the surface, dramatically improving production rates.

Less Need for Extensive Containment

Sponge Media abrasives absorb rebound energy, reducing media ricochet, allowing for less extensive containment.

Reuse Sponge Media up to Ten Times

- Use less abrasive media
- Lower handling costs
- Reduce waste and disposal costs

Clean Abrasive Blasting Process

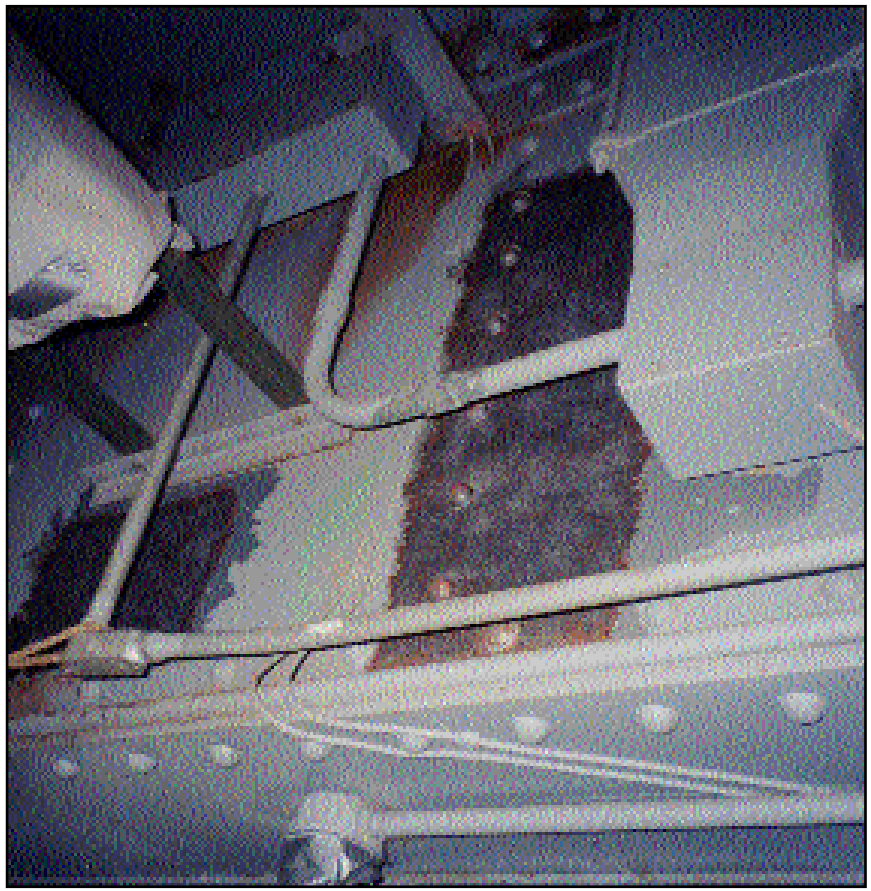
- Simplify surface preparation
- Blast in sensitive surroundings
- Reduce fatigue on the blaster
- Enjoy fast, easy clean-up

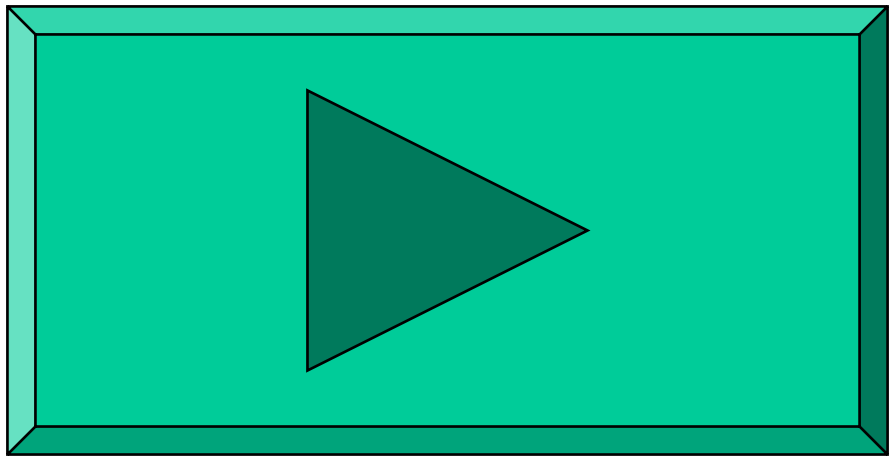
Low Dust Blasting

- Gain better visibility
- Blast in confined areas
- Conduct lead, asbestos or pcb abatement
- Observe real-time blasting results

Totally Dry Abrasive Blasting Process

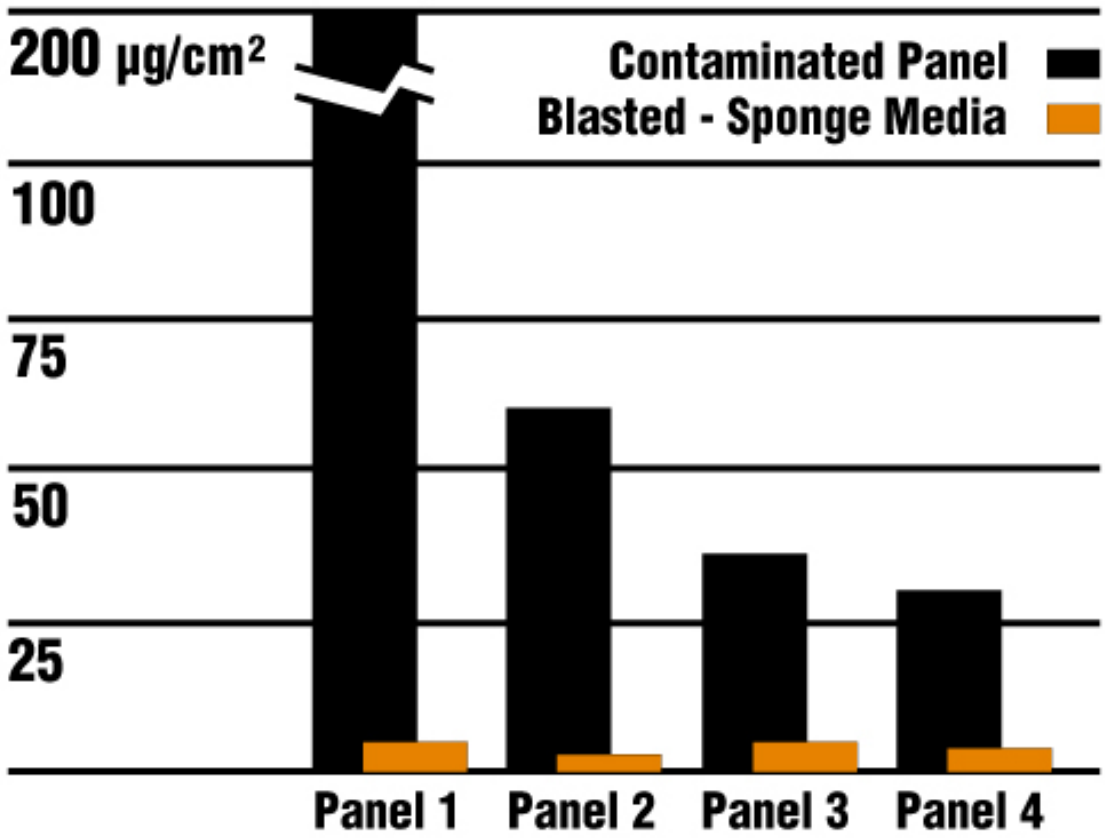
- Blast near sensitive equipment
- Work near active electrical components
- Eliminate water, slurry or runoff problems



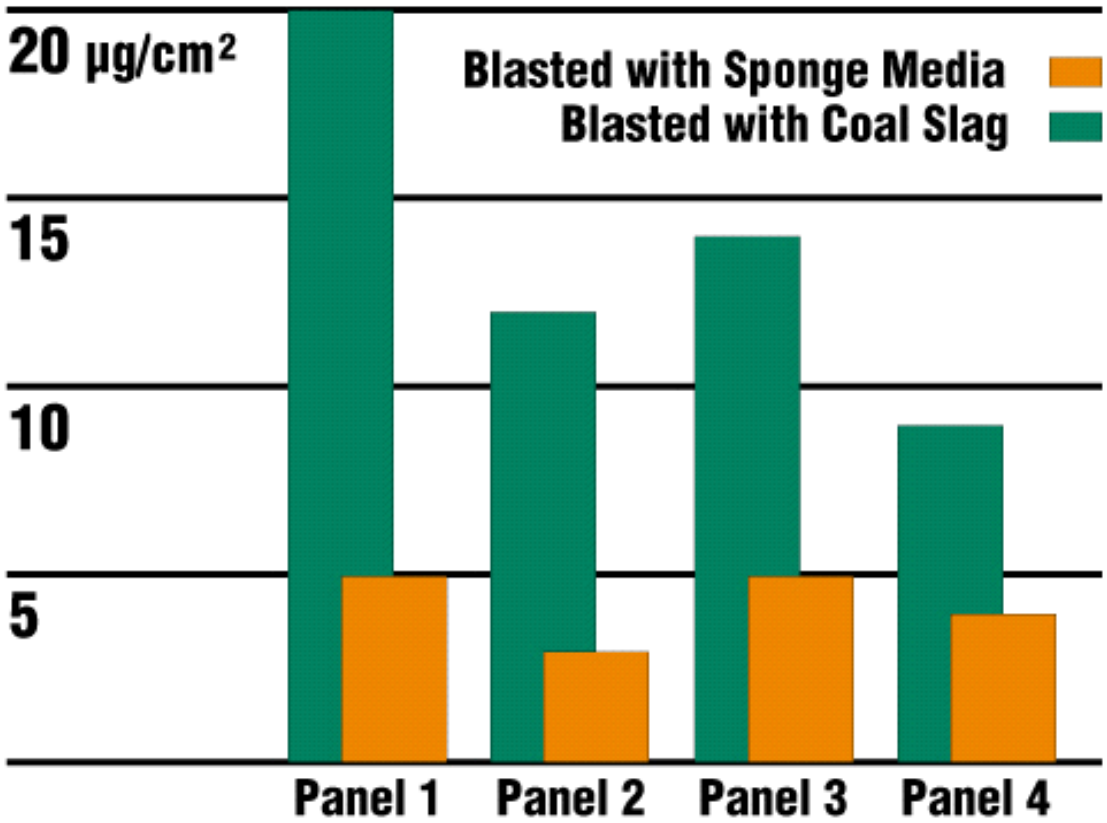


Sponge- Jet Overview Video

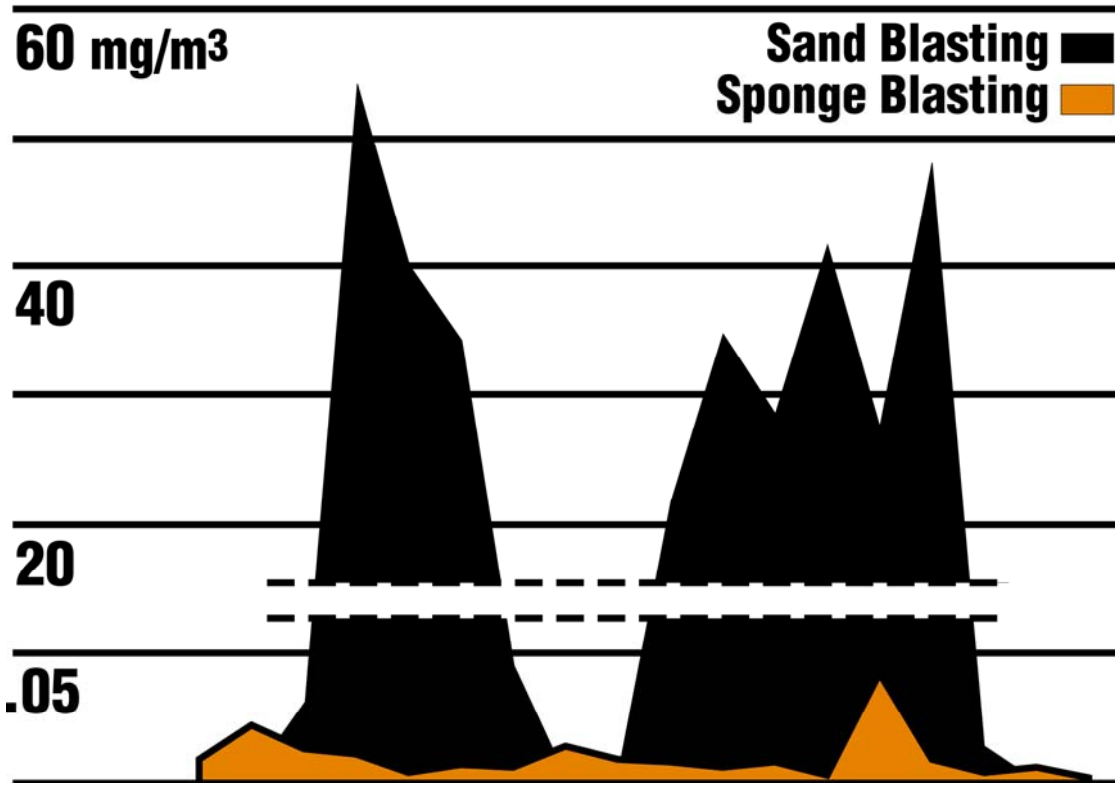
Residual Chloride Comparison - A



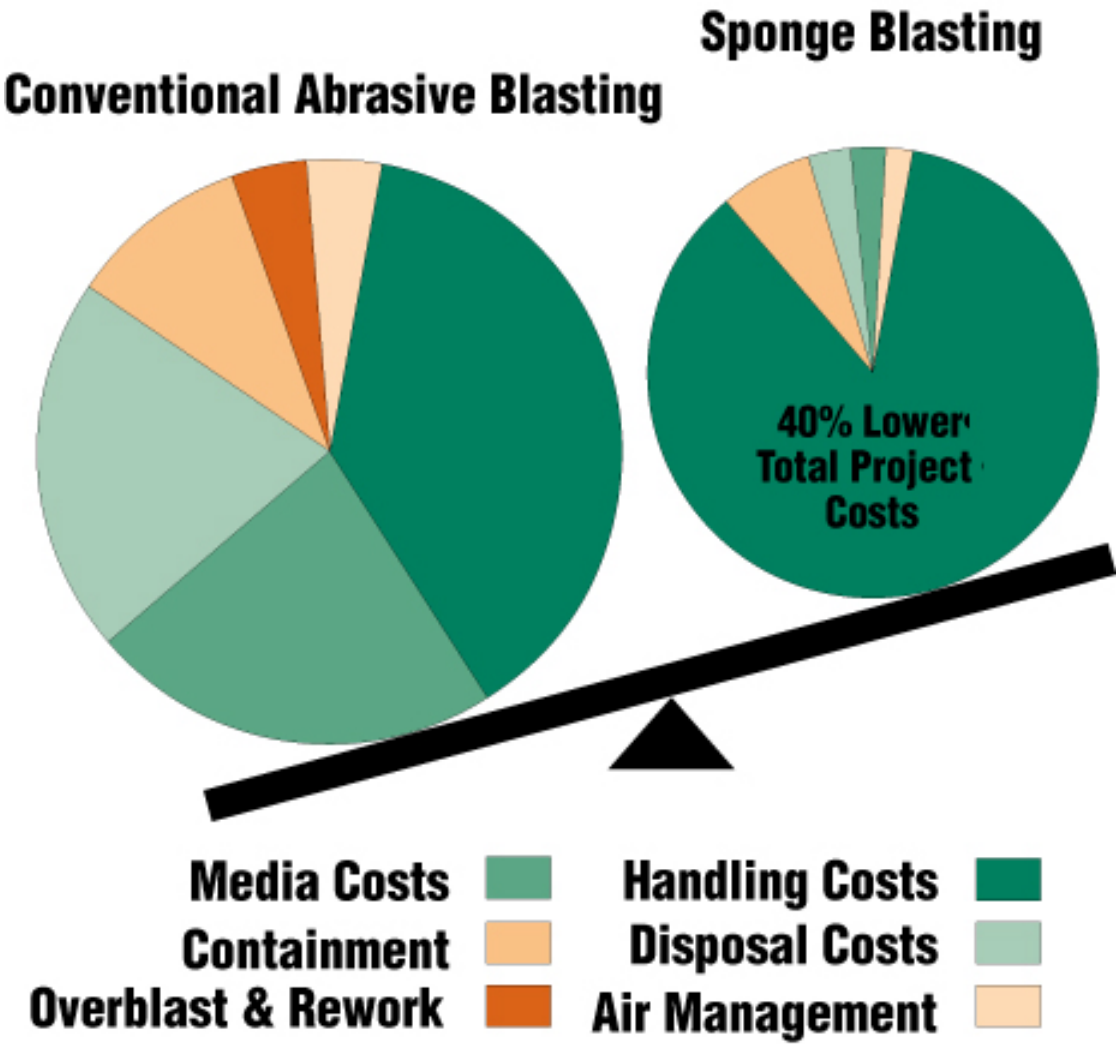
Residual Chloride Comparison - B



Airborne Contaminant Comparison



Sponge-Jet Total Project Savings



Sponge-Jet: Summary

- **SPONGE-JET MEDIA - Is a Composite of Open-Cell Polyurethane Foam (Sponge) and Abrasive. It Is Patented in US and Europe.**

- **SPONGE-JET EQUIPMENT**
  - **FEED UNIT - Is a modified Abrasive Blast Unit (Sand Blast Pot). It has been designed to blast the Sponge-Jet Media reliably. Primary difference is an actuator in the pressure vessel and a screw auger below the vessel which provides controlled flow of media. They are Patented in US and Europe.**
  - **Recycler - Is a Vibratory, multi deck classifier. It is used to separate and clean Sponge-Media for recycling and reuse.**

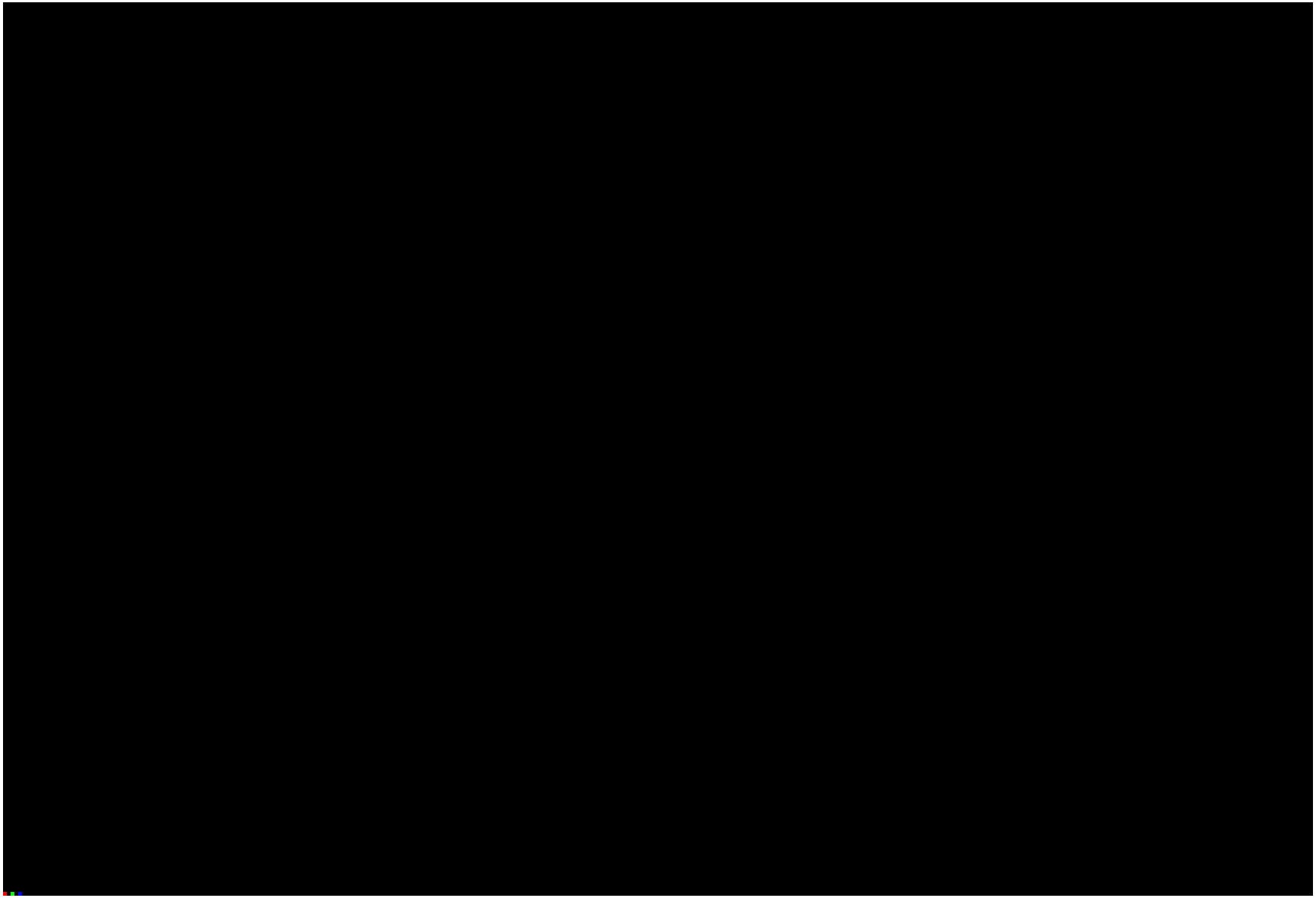
- **SPONGE-JET PROCESS - Is the process of cleaning or preparing a surface with pneumatic propulsion of a sponge/abrasive composite. It Is Patented in US and Europe.**

Sponge-Jet Delivers Many of the Benefits Customers Demand

- **COST SAVINGS**
- **IMPROVED WORKER SAFETY**
- **ENVIROMENTALLY PROACTIVE**
- **REDUCED MANUFACTURING TIME**
- **REDUCED LABOR CONTENT**
- **ACHIEVES “BEST PRACTICES” STATUS**
- **TECHNICALLY BETTER SOLUTION**
- **CONTROLLABLE PRODUCTION TOOL**
- **QUALITY: BEST IN CLASS**

New High Production Systems

The large bore Sponge-Jet Feed Unit™ conveys more Sponge Media abrasive to the surface, dramatically improving production rates.



Sponge- Jet B-VAC Video

Applications

- Industrial Coating Maintenance
  - Bridge and industrial structures
  - Railcars and mass-transportation
  - Water and waste-water plants
  - Offshore structures
  - Petrochemical facilities
  - Marine vessels
  - Military - ground, sea and air Segments
  - Food processing
  - Pulp and paper mills

Applications

- Abatement
  - Lead abatement
  - Asbestos abatement
  - PCB abatement

Applications

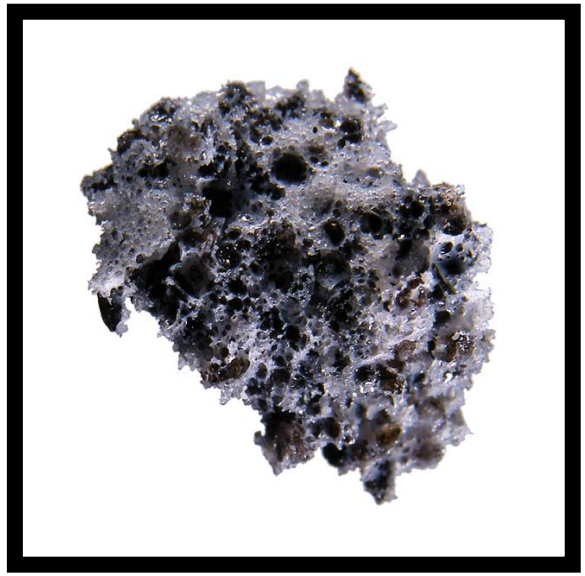
- Decontamination
  - Nuclear power generation
    - Low-level decontamination
    - Steam generator parts and tools
      - Stainless steel turbines
      - Reactor coolant piping

Applications

- Cleaning and Restoration
  - Fire damage / soot removal
  - Machine cleaning
  - Parts refurbishment
  - Interior and exterior wall; ceiling cleaning

New Abrasive Blasting Technologies

- Sponge Media™
  - Advantages:
    - Clean, dry blasting process
    - Low dust generation
      - best visibility
    - Low Rebound
    - Wide range of profiles
      - Non-abrasive / highly abrasive
    - Reusable with simple classification
    - Low volume requirements
    - Non-Sparking
    - Cleaner substrate - lower chloride levels

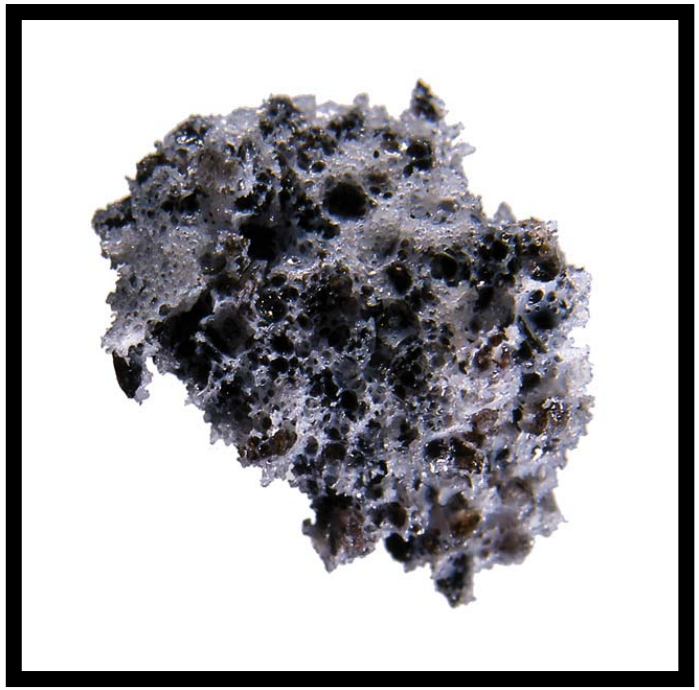


Sponge Media™

- Red Sponge Media™
  - Made with steel grit
  - Deteriorated surfaces and elastomeric coating systems
  - 4+ mil profile on steel substrates

Sponge Media™

- Silver Sponge Media™
  - Fast cutting and aggressive
  - Industrial, commercial, marine and military coatings removal
  - 1+ mil profile on steel substrates
  - Contains aluminum oxide
  - Clean, remove paint and profile in one step

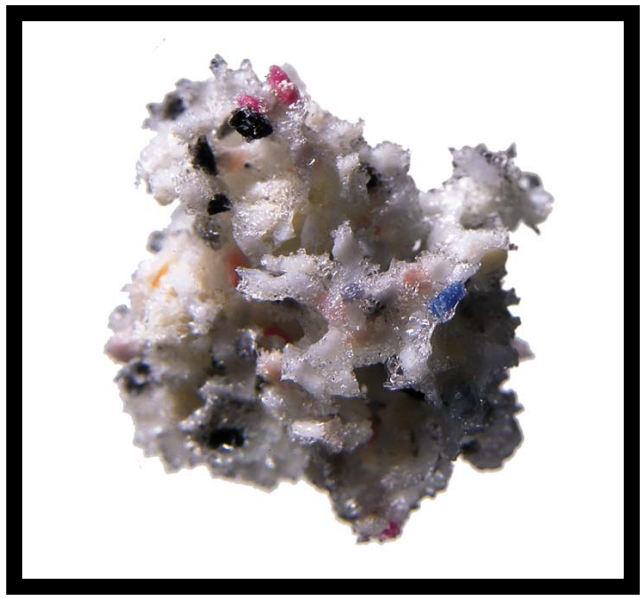


Sponge Media™

- Brown Sponge Media™
  - Light coatings removal with minimal surface profiling
  - Contains Dupont Starblast®
  - Light rust, cracked or peeling paint
  - 2 mil profile on steel substrates

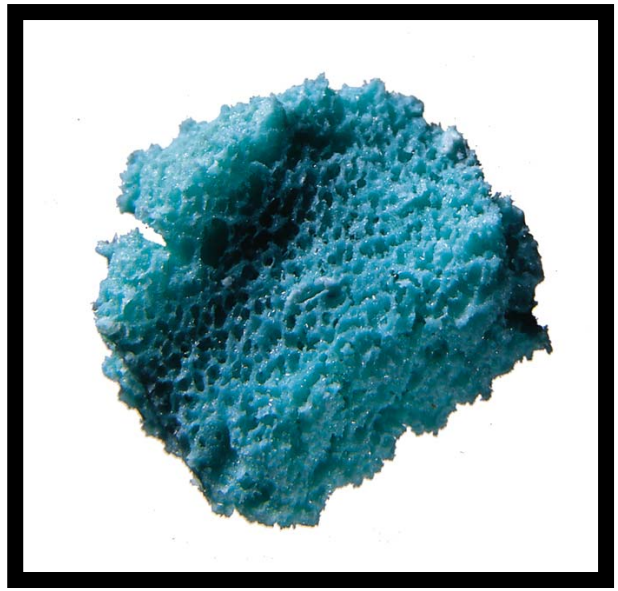
Sponge Media™

- White Sponge Media™
  - Sensitive substrates
  - Tough coatings, composites, fiberglass or tile
  - No surface damage, dust or slurry



Sponge Media™

- Green Sponge Media™
  - Cleaning grease and oil from machinery
  - Removing smoke and soot damage from brick, concrete, etc.
  - Nooks, crannies, hoses, or fittings



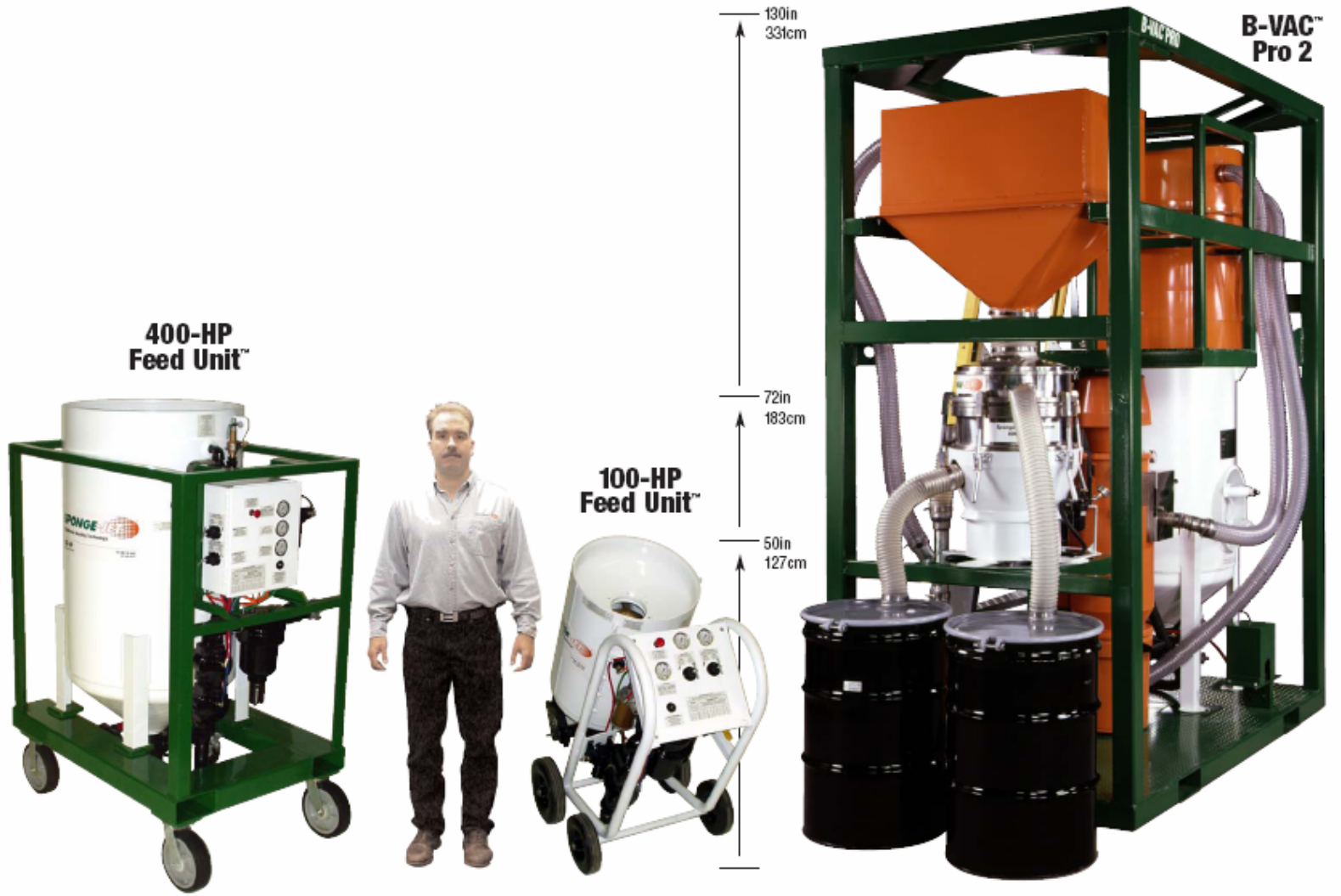
Sponge Media™

- Blue Sponge Media™
  - Alternative to hand-wiping
  - Fire damage and architectural restoration
  - Non-abrasive, non-profiling
  - Cleaning on sensitive substrates
  - Sheetrock, plaster and hard-wood trim
  - Up to 10 times faster than hand-tooling and wiping

Sponge Blasting System™

- The Sponge Blasting System™
  - Sponge-Jet Feed Unit™
  - Sponge-Jet Pneumatic Media Classifier™

Sponge Blasting System™



Sponge Blasting System™™

- Sponge-Jet Feed Unit™
  - Delivers Sponge Media to the surface
  - Monitors specific flow characteristics
  - Optimizes production and rebound
  - Controls Sponge Media / air mixture

Sponge-Jet Sponge Blasting System™

- Sponge-Jet Pneumatic Media Classifier™
  - Prepares and cleans Sponge Media for reuse
  - Separates media into three categories:
    - Oversized debris
    - Reusable Sponge Media
    - Fines; spent media and dust