



**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***



**DRY ABRASIVES BLASTING**

**Environmental and Pollution Problems.  
Good Surface Preparation Quality**



**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***



**MECHANICAL SURFACE PREPARATION**  
**High Failure Rate.**



**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***



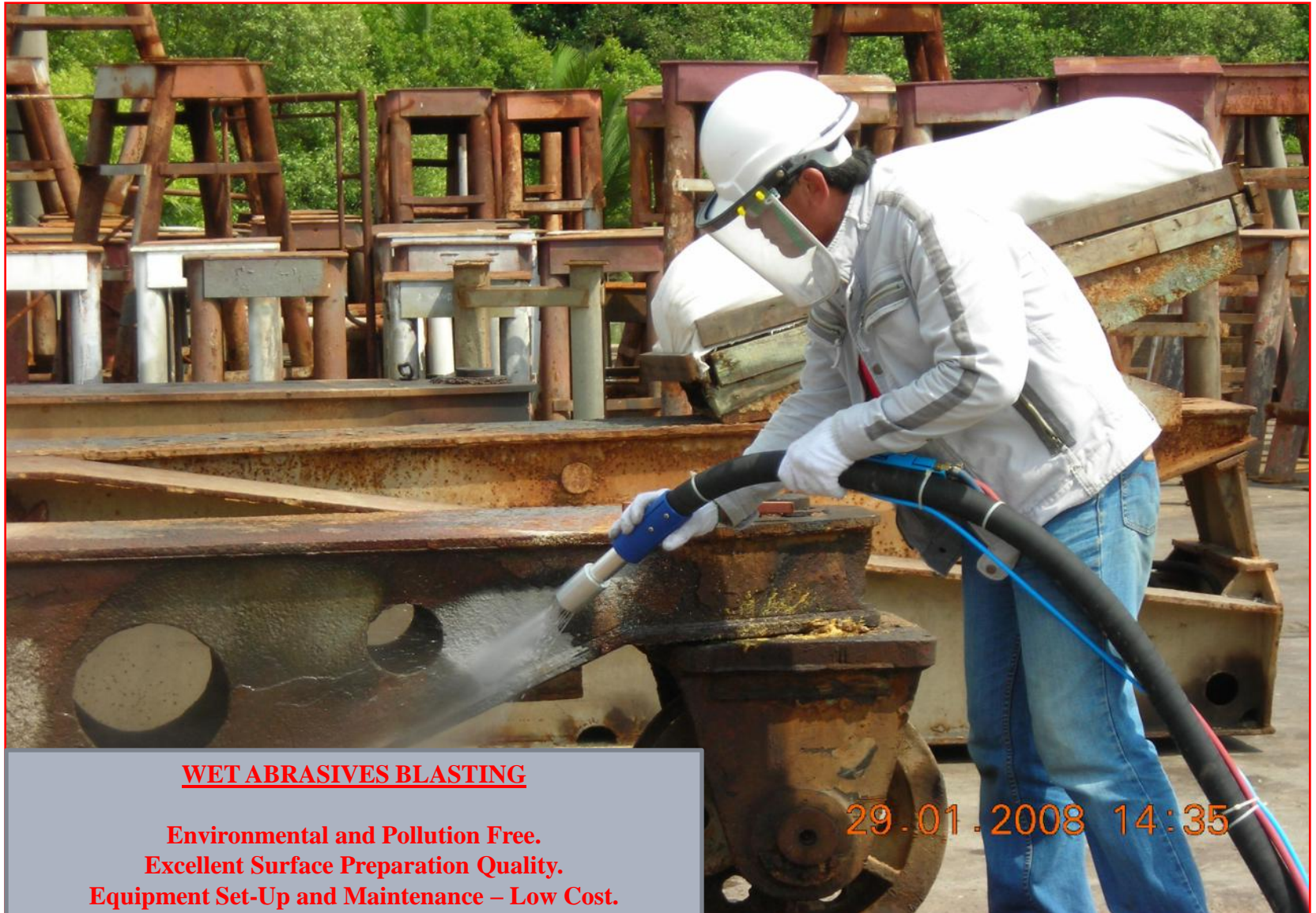
**UHP ULTRA HIGH PRESSURE WATER JETTING**

**Surface Preparation Quality Limited.  
Unable to perform hard to reach areas.  
Equipment Set-up and Maintenance- High Cost.**



**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***



**WET ABRASIVES BLASTING**

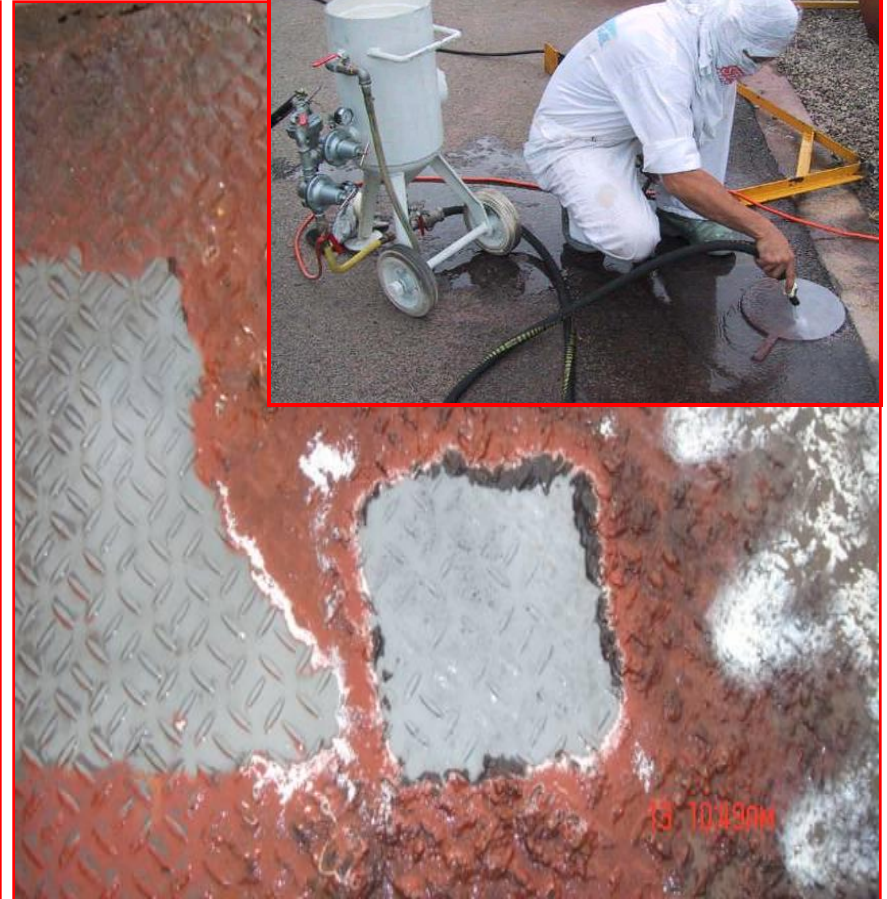
**Environmental and Pollution Free.  
Excellent Surface Preparation Quality.  
Equipment Set-Up and Maintenance – Low Cost.**

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**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***



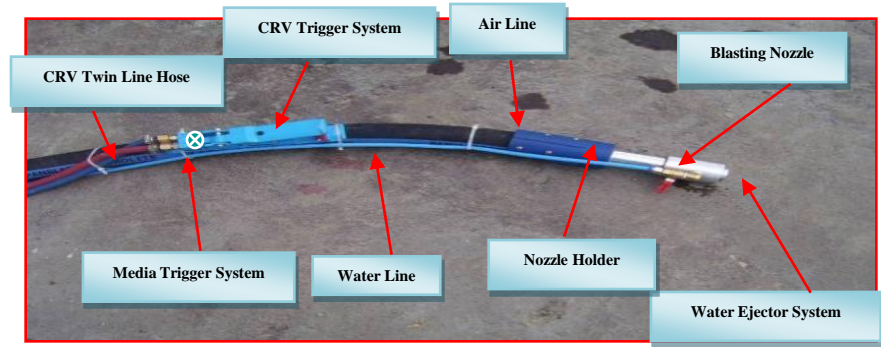
**WET ABRASIVES BLASTING**

**Bare Metal Surface Quality**



**EAGLES TECH PTE. LTD.**

# AQUA-JET WET ABRASIVE BLAST SYSTEM



*The Wet Abrasive Blast System with controlled pressure, water and media capabilities*



**EAGLES TECH PTE. LTD.**

**AQUA-JET WET ABRASIVE BLAST SYSTEM**



**Water Flow Pressure 10 PSI from Water Tap Only**

*The Wet Abrasive Blast System reaching difficult areas behind stiffeners & structures with ease*



**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***



**Blasting Nozzle can be bent at 45° Angle. The Gun Nozzle pressure is between 80 PSI to 95 PSI. Easy to maneuver**

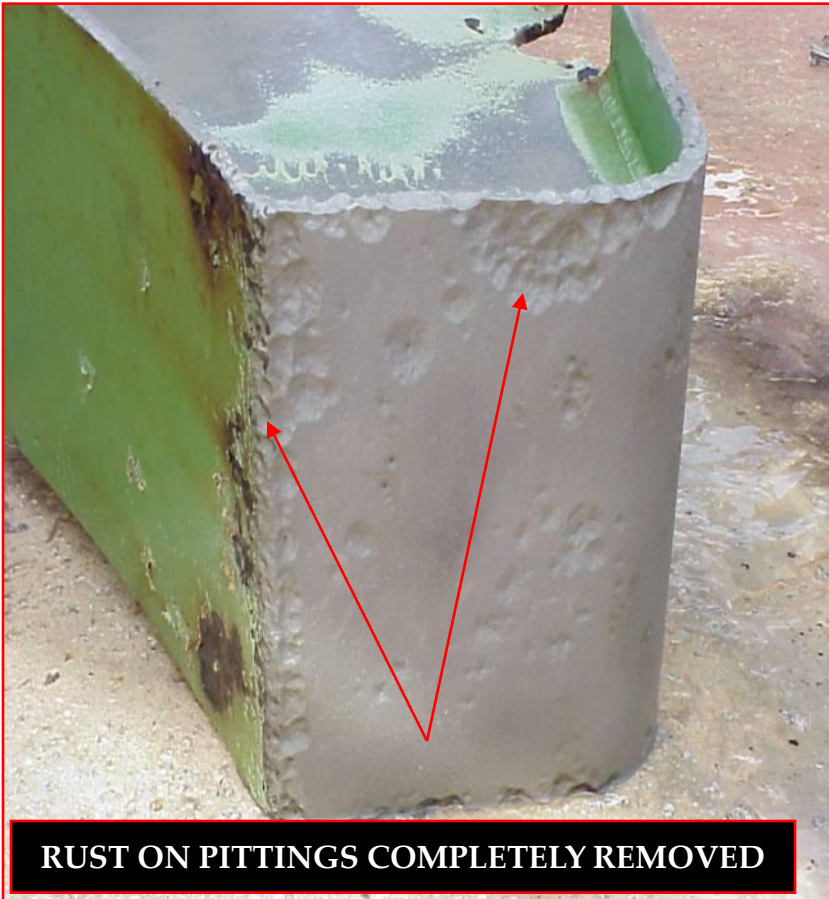
*The Wet Abrasive Blast System reaching difficult areas behind stiffeners & structures with ease*





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***AQUA-JET WET ABRASIVE BLAST SYSTEM***



**RUST ON PITTINGS COMPLETELY REMOVED**



**EDGES FEATHERED**

*The Wet Abrasive Blast System – Removes Rust on Pitting, Edges Feathered and existing good coating feathered with light profile for new coating application*

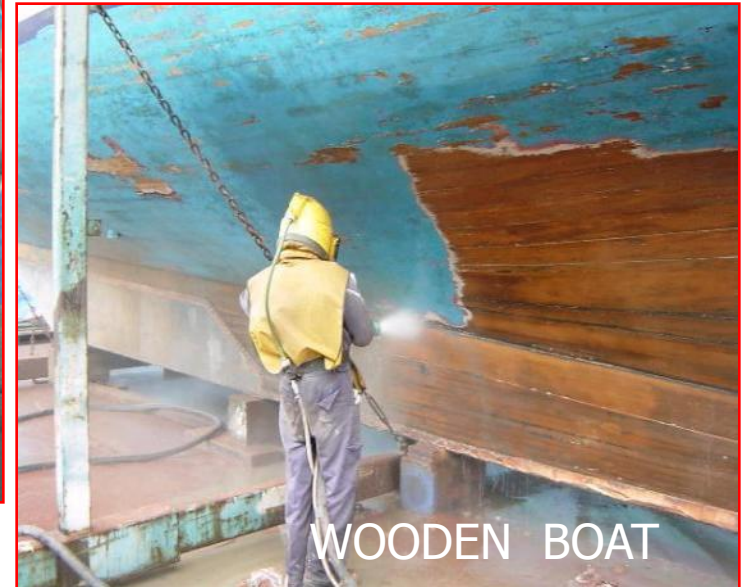
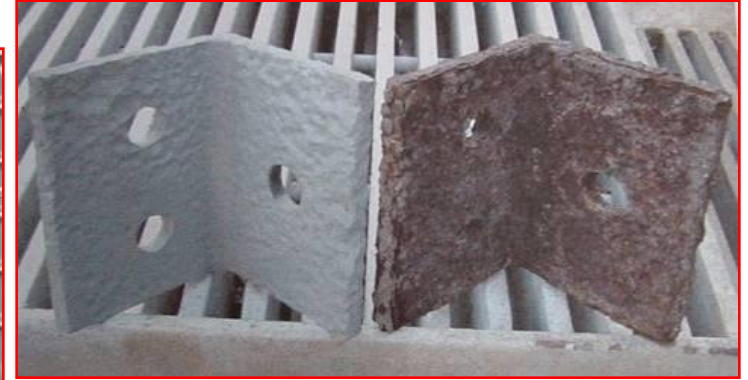


**EAGLES TECH PTE. LTD.**

**AQUA-JET WET ABRASIVE BLAST SYSTEM**



FIBER BOAT



WOODEN BOAT

*The Wet Abrasive Blast System – Removes Rust on Pitting, Edges Feathered and existing good coating feathered with light profile for new coating application*



**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***

**WET ABRASIVES BLASTING**  
**Results- Before/After**





**EAGLES TECH PTE. LTD.**

**AQUA-JET WET ABRASIVE BLAST SYSTEM**

**WET ABRASIVES BLASTING**

**Corrosion Tackle by Wet Abrasives Blast System**



*The Wet Abrasive Blast System – On Board Ships, Ship's Hull, Static Tanks, Jetties/Wharfs, Pipelines etc where dust is not acceptable and working on live plants.*



**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***

**AQUA-JET WET ABRASIVES BLASTING – MORE PICTORIALS**





**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***

**AQUA-JET SYSTEM**



**MODEL AJ-50**



**MODEL AJ-300**



**MODEL AJ-600**



**E**AGLES TECH PTE. LTD.

**AQUA-JET WET ABRASIVE BLAST SYSTEM**

***Flat Surfaces - 3.5mins/m<sup>2</sup>***

***Structures, Stiffeners &  
Angles - 7mins/m<sup>2</sup>***



**EAGLES TECH PTE. LTD.**

***AQUA-JET WET ABRASIVE BLAST SYSTEM***

## ***Advantages and Benefits***

1. Environmentally Friendly and Good Visibility during Blasting  
No Dust nor air pollution thus resulting in good visibility for blasters. Other work discipline can work side by side.
2. Economical Equipment Set-Up  
Specifically design for efficiency and low cost.
3. Low Media Consumption  
Media consumption is controlled by “Differential Pressure Principle” and “Media Flow Orifice Size”. Estimated media consumption per m<sup>2</sup> is between 8kgs to 12kgs. Higher for heavily corroded surfaces.
4. Low Water Consumption  
Wet Abrasive System requires water coming for a tank or tap. Requires only 1 liters per m<sup>2</sup> for wet blasting.





## ***Advantages and Benefits - more...***

### 5. Low Pressure Requirement

Wet Abrasive System requires between 80 PSI to 100 PSI compressed air to perform the required surface preparation quality.

### 6. Safety

Utilizing both air and water pressure at such a low output makes the working environment safe. The blasters can maneuver and handle the low pressure gun with ease to reach every corners.

### 7. Hard to reach Areas

Hard to reach areas on a ship's tanks are aplenty. Wet Abrasive System can reach all these areas with ease. No need for tedious hand power tooling to these areas at all.

### 8. Tank Cleaning

With extremely low consumption of media, tank cleaning becomes easier.



***Advantages and Benefits - more...***

9. Surface Preparation Quality

Wet Abrasive System has the ability to blast to bare metal removing all corrosion scales and deep rust pitting. At the same time the blasted surfaces is washed off completely all salt and chloride contamination.

10. Feathering and Sweeping existing coating

Wet Abrasive System blasting has the ability to feather edges of the existing coating and by sweeping across the good existing coating, it cleans and creates a mild profile.

11. Media Use

For wet mode blasting the following media can be use on the Wet Abrasive System.

- |                       |   |
|-----------------------|---|
| a. Silica Sand        | b. Vissy Glass                              |
| c. Copper Slag        | d. Glass Beads (Aluminum Substrate)         |
| e. Garnet             | f. Plastic Beads (Aluminum/Wood)            |
| g. Sodium Bicarbonate | h. Walnut Shell (Architectural Restoration) |



***Advantages and Benefits - more...***

12. Cost Comparison

Dry Grit Blasting

High

Ultra High Water Jetting

Extremely High

Wet Abrasive System Blasting

Very Low

13. Factors Taken into Consideration during the design of Wet Abrasive System

a. Safety in all Aspect

b. Productivity

c. Water Consumption

d. Media Consumption

e. Cost of Equipment

f. Cost of service

g. Portability

h. Blasted Surface Quality

i. Environmental Impact

j. Applications



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## ***Advantages and Benefits - more...***

14. Ability to Blast Underwater

Jetty/Wharf Pipe Piles, Offshore Jacket Legs, Sea Water Intake Structures,  
etc.

15. Blasters in Full Control

Blasters control Air, Water and Media Flow from the Gun.



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**THANK YOU**



**EAGLES TECH PTE LTD**

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