



# A GROUNDBREAKING, 3-IN-1 SURFACE TREATMENT SYSTEM

by ATMOSPHERIC PLASMA SOLUTIONS

## \* YOU WON'T FIND THIS SOLUTION ANYWHERE ELSE

Developed with a mission to solve real-world challenges for military personnel, our innovative technology helps to increase the readiness of the armed forces with the tools to achieve superior maintenance and sustainment of their vehicles, fleets, and equipment.



2023 DoD

MAINTENANCE INNOVATION CHALLENGE

**WINNER**

The portable and rugged PlasmaBlast 7000 Series is a unique solution that powers through the thickest coatings, sealants, and contaminants to meet your surface preparation and cleaning requirements—all without damaging the substrate.

Our systems reduce environmental impact with a solvent-free process that replaces abrasive blasting, grinding, and chemical baths. Coatings are removed at twice the rate of needle guns, while also greatly reducing health concerns like vibrational impact and noise for operators.

PlasmaBlast benchtop and mobile units have proven to be indispensable in U.S. military applications including regular maintenance of equipment and assets in bases, depots, and shipyards, and in forward-deployed field repairs in contested environments around the world.

### BENCHTOP PB 7000-B



### MOBILE PB 7000-M



## \* UNIQUE ADVANTAGES

- Perfect for tight spaces & remote locations; rugged design for austere forward-deployed environments.
- Treated surfaces are prepared and ready for immediate use and/or re-coating with measureably better adhesion qualities and corrosion prevention.
- Light weight allows for single-user carry and wide-ranging field applications.



## \* SOLUTIONS FOR ALL MILITARY BRANCHES

### SEALANT REMOVAL

ELIMINATE THE NEED FOR WET CHEMICALS

### REDUCED REPAIR TIMES

EXPEDITED VALVE FLANGE REPAIR;  
PRECISE NONSKID REMOVAL

### STRUCTURAL RETROFIT

REDUCED PREP TIME

### BATTLE DAMAGE ASSESSMENT

QUICKLY CLASSIFY DAMAGE TO INFORM REPAIR ACTIVITIES

### WELD INSPECTION

DECREASE TIME SPENT FROM HOURS TO MINUTES



The PlasmaBlast PB7000-M is granted full NAVSEA Technical Warrant Holder (TWH) approval on surface ships, carriers, and submarines. A paramount factor in the approval process was demonstrating that the use of the PB 7000-M for coating removal does not alter the carbon steel substrate profile or bulk material properties in any way, preserving its original surface profile and fatigue strength as designed. This distinguishing attribute sets the system apart from other coating removal methods that often fall short in this regard.

## \* PORTABLE. POWERFUL. PRECISE.



**FASTENER RELEASE** | Clean threads and hard-to-reach areas of bolts, retaining rings, and threaded plugs. PlasmaBlast releases fasteners from paint, grease, oil, and dirt without stripping threads, retaining rings, or nuts.



**PRE-WELD SURFACE PREP** | Free your surfaces from coatings or contaminants to achieve higher quality welds. PlasmaBlast simplifies the path to achieving ultra-clean and properly prepped metal surfaces.



**WELD INSPECTION** | Quickly conduct weld inspections without harming the weld joint. With our system, plasma flows like water across surfaces and reaches into cracks and crevices to completely and safely remove coatings.

**CORROSION PREVENTION** | Extend the lifespan of critical military equipment while maintaining operational readiness. PlasmaBlast is highly effective for corrosion prevention in military applications through an environmentally-friendly process that eliminates the need for hazardous chemicals.



**BATTLE DAMAGE ASSESSMENT** | Expedite your decision-making about repairs in high-stakes environments and rugged combat scenarios without risking further damage during inspection. With its easy-to-carry configuration, our mobile system excels in battle damage assessment in forward-deployed theaters.

**CONTAMINANT REMOVAL** | Target contaminants with high precision in military applications where maintaining the integrity of materials is often as important as the cleaning process itself. PlasmaBlast provides a clean finish without physical or chemical stress to the surface.

**ATMOSPHERIC PLASMA  
SOLUTIONS**



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