



3-IN-1 SURFACE PREPARATION SYSTEM



2023
DoD
MAINTENANCE
INNOVATION
CHALLENGE
WINNER

REMOVE

COATINGS WITH PRECISION

CLEAN

CONTAMINANTS WITHOUT WASTE

PREPARE

SURFACES FOR BETTER ADHESION

The portable and rugged **PlasmaBlast 7000 Series** is a one-of-a-kind technology that powers through the toughest and thickest coatings to meet your surface preparation and cleaning requirements.



BENCHTOP
PB 7000-B

MOBILE
PB 7000-M

* UNIQUE ADVANTAGES

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



**SAVE
TIME**

- Demonstrated over 90% labor savings when compared to traditional methods
- Deploys in less than 5 minutes
- Simple to operate; no adjustments



**INCREASE
SAFETY**

- No dangerous light emissions or fumes
- Hand-held, ergonomic precision pen
- No vibrational impact on operators



**ELIMINATE
MEDIA &
SOLVENTS**

- Solvent-free process eliminates negative environmental impact
- Replaces abrasive blasting, needle guns, and chemical baths
- No blast media, sanding, or grinding debris



**LOWER
COSTS**

- Save on purchase and disposal costs of various media and solvents
- Lower initial capital investment and reduced revenue lost to downtime
- No time intensive tarping or containment set-up or tear down



PlasmaBlast 7000 series is granted limited 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 metallurgy 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



* APPLICATIONS



SEALANT REMOVAL

ELIMINATE THE NEED FOR WET CHEMICALS



REDUCED REPAIR TIMES

EXPEDITED VALVE FLANGE REPAIR; PRECISE
NON-SKID REMOVAL



STRUCTURAL RETROFIT

REDUCED PREP TIME



BATTLE DAMAGE ASSESSMENT

UKRAINIAN BRADLEY FIGHTING VEHICLES



WELD INSPECTION

DECREASE TIME SPENT FROM HOURS
TO MINUTES



PRODUCT SPECIFICATIONS

Input Voltage	208-240 VAC, 50-60 Hz, single-phase 440-480 VAC, 50-60 Hz, three-phase	
Input Compressed Air Pressure	80-100 psi	550-690 kPa, 5-7 bar
Rated Pressure	120 psi	827 kPa, 8 bar
Optimal Input Compressed Air Flow	3.5 CFM	99 SLM
Operating Temperatures	14°F to 115°F	-10°C to 46°C
Operating Sound Level	~90 dBa	
Weight	PB 7000-B	30 lbs
	PB 7000-M	40 lbs
		13.6 kg
		18.1 kg

PROCUREMENT METHODS

DESCRIPTION

SBIR Sole Source	Section 9 of the Small Business Act 15 U.S.C. 638(r)(4) authorizes sole-source awards under phase III of the SBIR and STTR Programs.
TLS Contract Holder Partnership	Procurement can be facilitated through a partnership with a Tailored Logistics Support (TLS) contract holder.
GSA	PlasmaBlast GSA listing is in process, anticipate Q2 availability via the GSA catalog.
NSN	In process, ready by Q3.
N.C. Small Business Designation	Atmospheric Plasma Solutions qualifies as a small business entity.
Government Open Source Procurement	Traditional approach to acquisitions via the government bid process.

ATMOSPHERIC PLASMA
S O L U T I O N S



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