PlasmaBlast®

MOBILE SYSTEM THAT DEPLOYS WHERE NEEDED

SURFACE PREPARATION SYSTEM

Designed to move around the jobsite and around the world

MODEL PB 7000-M

APPLICATIONS:

- ✓ Fast removal of coatings with no change to substrate.
- ✓ Non-Destructive Examination and Testing, strip back before welding, corrosion control
- ✓ Deploys easily and safely in tight spaces and in high places
- ✓ Replaces needle gunning, grinding and chemical solvents
- ✓ The plasma beam reaches into cracks, crevices, seams, bolt threads or complex surfaces

FEATURES AND BENEFITS:

- ✓ The process is chemical and media free
- ✓ The plasma beam etches away coatings and surface contaminants
- ✓ Surface temperatures stay below 212°F (100°C)
- ✓ The existing profile is unchanged
- ✓ The surface energy is increased, enhancing adhesion of new coating
- ✓ Easy to use, no adjustments, 5 min set-up

COMES COMPLETE WITH:

- Ergonomic plasma pen
- 20 ft pen connector cable
- Power cord
- Grounding cord with clamp
- Input Pressure regulator
- Operating Manual
- Quick start guide
- 5-pack of replacement nozzles
- Carrying case (optional)
- 10 Amp Fuse Box (480V model only)

CONSUMABLES (SOLD SEPARATELY):

- Replacement nozzle kit - 5 nozzles with anti-seize lubricant
- Replacement plasma electrode

ABOUT PlasmaBlast®

Fast to deploy, simple to operate, the portable and rugged Plasma*Blast*® 7000-M quickly and safely removes paint, coatings, sealants, and adhesives without damage to the underlying surface. Speed up your job and save money by avoiding the need to set up tarping or containment. Because there is no spent media, there is essentially no clean-up. This tool can get through the toughest and thickest coatings to meet your surface cleaning and preparation requirements.

UNIQUE ADVANTAGES

- ☑ Utilizes patented Non-Thermal Plasma Technology
- ☑ Precise coating removal with no change to underlying profile
- ☑ Demonstrated up to 90% labor savings when compared to traditional methods
- ☑ Sealed system handles harsh environments and temperatures from -14 to 110 °F (-25 to 43 °C)
- ☑ Protective frame incorporates 8 vibration dampers
- ☑ Only requires compressed air and electricity to operate
- ☑ Hand-held, ergonomic precision pen — no vibrational impact
- ☑ Achieves all levels of AMPP-SP21523 “Non-thermal Plasma Surface Preparation of Metals”

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MECHANICAL SPECIFICATIONS

Dimensions:	12" x 14" x 22"	31 cm x 36 cm x 56 cm
Weight:	39 lbs	17.6 kg
Plasma Cable length:	20 ft	6.1 meters

ELECTRICAL SPECIFICATIONS

	PB7000-M-24	PB7000-M-48
Input Voltage	208-240 VAC, 50-60Hz, single-phase	440-480 VAC, 3-phase
Input Current	18 Amps, CE-14.5 Amps	6 Amps
Default Plug Type	NEMA L6-30	NEMA L16-30
Optional Plug Types	NEMA L6-20, NEMA L14-20, NEMA L14-30	NEMA L15-30 3-phase
Device EMC Status	Class A Group 2	
Applicable CE Standards	EN/IEC 61326-1:2013 IEN/IEC 60974-10 IEC/EN 60974-1	
Degree of Protection	IP 52	

OPERATING PARAMETERS

Operating Temperatures	14°F - 110°F	-10°C - 43°C
Operating Humidity	<95% , non-condensing	
Elevation	<10,000 ft	<3,000 meters
Operating Sound Level	~95 dBa	
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

PROVEN EFFECTIVENESS ON COATINGS, SEALANTS, AND SUBSTRATES

The PB 7000-M system is effective in removing a wide range of coatings and sealants from a wide variety of substrates. The product is used by Fortune 100 companies and across the US DoD. It's portable, precise, and powerful, enabling users to deploy in hard to access locations with minimal set-up time.

COATINGS REMOVED

- Acrylics
- Alkyds
- Latex
- Epoxies
- Polyurethanes
- Polyesters
- Powder Coats
- Silicone / Polysiloxanes
- Polyurea
- Coal-Tar Epoxy
- Ultra High Solids

SEALANTS REMOVED

- Elastomeric
- Caulking
- Polysulfide
- Polyether
- Butyls
- Acrylics
- Rubber
- Silicones
- Polyurethane

SUBSTRATES TREATED

- Steel alloys
- Cast Iron
- Aluminum alloys
- Titanium alloys
- Magnesium alloys
- Carbon Fiber
- GRP / Fiberglass
- Composites
- Concrete, Masonry, Brick
- Ceramics

...and more

ATMOSPHERIC PLASMA SOLUTIONS

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