



PlasmaBlast®

HANDHELD ACCURACY

SURFACE PREPARATION SYSTEM

Designed to move around the shop and around the world

MODEL PB 7000-B

SYSTEM FEATURES AND BENEFITS:

- ✓ Fast removal of coatings with no loss of material
- ✓ Sealed system handles industrial environments
- ✓ Replaces needle gunning, sanding, grinding and chemical solvents
- ✓ The plasma beam reaches into cracks, crevices, seams, bolt threads or complex surfaces
- ✓ The process is chemical and media free
- ✓ The plasma beam etches away coatings and surface contaminants without damaging the substrate
- ✓ Surface temperatures stay below 100°C
- ✓ The existing profile is unchanged
- ✓ The surface will be ready to re-coat

COMES COMPLETE WITH:

- Ergonomic plasma pen
- 20 ft pen connector cable
- Power cord C19 to NEMA L6-30
- Operating Manual
- 5-pack of replacement nozzles
- Carrying case

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 PlasmaBlast® 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 Cold Plasma Technology
- ✓ Demonstrated up to 90% labor savings when compared to traditional methods
- ✓ Sealed system handles harsh environments and temperatures from -14°F to 110°F
- ✓ No dangerous light emissions or off-gassing
- ✓ Only requires air and electricity to operate
- ✓ Hand-held, ergonomic precision pen — No vibrational impact



MECHANICAL SPECIFICATIONS

Dimensions:	16" x 14" x 7"	40 cm x 35cm x 18 cm
Weight:	33 lbs	15.4 kg
Plasma Cable length:	20 ft	6.1 meters

ELECTRICAL SPECIFICATIONS

Input Power	208-240 VAC, 50-60Hz, single-phase or 440-480 VAC, 3-phase	
Input Current	18 Amps	
Default Plug Type	NEMA L6-30 for 208-240 VAC and NEMA L16-30 for 440-480 VAC	
Optional Plug Types	NEMA L6-20, NEMA L14-20, NEMA L14-30, NEMA L15-30 3-phase	
Device EMC Status	Class A Group 2	
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	~90 dBA	
Input Compressed Air Pressure	80-100 psi	550kPa-690kPa, 5 -7 bar
Burst 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 PlasmaBlast system has been shown effective in removing a wide range of coatings and sealants from a wide variety of substrates. The technology has been validated by Fortune 100 companies and in projects and related contracts with the US Navy, US Air Force, NATO and the Strategic Environmental Research and Development program (SERDP).

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



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