**MOBILE SYSTEM THAT DEPLOYS WHERE NEEDED**

**SURFACE PREPARATION SYSTEM**

**MODEL PB 7000-M**

**APPLICATIONS:**
- Fast removal of coatings with no loss of material
- 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 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
- Grounding cord with clamp
- Input Pressure regulator
- 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
- Removes coatings effectively with no loss of material
- Demonstrated up to 90% labor savings when compared to traditional methods
- Sealed system handles harsh environments and temperatures from -14°F to 110°F
- Protective frame incorporates 8 isolation dampers
- Only requires air and electricity to operate
- Hand-held, ergonomic precision pen — No vibrational impact

Atmospheric Plasma Solutions, Inc. © 919-341-8325 © www.apsplasma.com
**MECHANICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Dimensions:</th>
<th>12&quot; x 14&quot; x 22&quot;</th>
<th>31 cm x 36 cm x 56 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>34 lbs</td>
<td>15.4 kg</td>
</tr>
<tr>
<td>Plasma Cable length:</td>
<td>20 ft</td>
<td>6.1 meters</td>
</tr>
</tbody>
</table>

**ELECTRICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Input Power</th>
<th>208-240 VAC, 50-60Hz, single-phase or 440-480 VAC, 3-phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Current</td>
<td>18 Amps, CE-14.5 Amps</td>
</tr>
<tr>
<td>Default Plug Type</td>
<td>NEMA L6-30 for 208-240 VAC and NEMA L16-30 for 440-480 VAC</td>
</tr>
<tr>
<td>Optional Plug Types</td>
<td>NEMA L6-20, NEMA L14-20, NEMA L14-30, NEMA L15-30 3-phase</td>
</tr>
<tr>
<td>Device EMC Status</td>
<td>Class A Group 2</td>
</tr>
<tr>
<td>Applicable CE Standards</td>
<td>EN/IEC 61325-1:2013 IEN/IEC 60974-10 IEC/EN 60974-1</td>
</tr>
<tr>
<td>Degree of Protection</td>
<td>IP 52</td>
</tr>
</tbody>
</table>

**OPERATING PARAMETERS**

<table>
<thead>
<tr>
<th>Operating Temperatures</th>
<th>14°F - 110°F</th>
<th>-10°C - 43°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Humidity</td>
<td>&lt;95%, non-condensing</td>
<td></td>
</tr>
<tr>
<td>Elevation</td>
<td>&lt;1,000 ft</td>
<td>&lt;3,000 meters</td>
</tr>
<tr>
<td>Operating Sound Level</td>
<td>~90 dBA</td>
<td></td>
</tr>
<tr>
<td>Input Compressed Air Pressure</td>
<td>80-100 psi</td>
<td>550kPa-890kPa, 5-7 bar</td>
</tr>
<tr>
<td>Burst Pressure</td>
<td>120 psi</td>
<td>827 kPa, 8 bar</td>
</tr>
<tr>
<td>Optimal Input Compressed Air Flow</td>
<td>3.5 CFM</td>
<td>99 SLM</td>
</tr>
</tbody>
</table>

**PROVEN EFFECTIVENESS ON COATINGS, SEALANTS, AND SUBSTRATES**

The PB 7000-M 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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