Plasma Blast®
AUTOMATION-READY
SURFACE PREPARATION SYSTEM
MODEL PB 7000-R

DESIGNED FOR DEPLOYMENT IN INDUSTRIAL PRODUCTION LINES

SYSTEM FEATURES AND BENEFITS:

- In seconds the plasma beam will remove surface contaminants, as well as paints and sealants
- The process is chemical and media free
- Treated surface temperatures stay below 100°C
- The existing profile is unchanged
- Plasma beam flows over irregular shaped parts precisely covering the desired target area
- Reliable and energy efficient
- Utilizes patented “cold plasma” technology
- The surface will be ready to re-coat or weld

5 UNIQUE ADVANTAGES OF Plasma Blast®

- Compact size (.91 ft³)
- Easily integrated with robotic platforms
- Sealed system handles industrial environments
- No dangerous light emissions or off-gasing
- Only requires air and electricity to operate

MODEL PB-7000-R

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MECHANICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimensions:</th>
<th>16” x 14” x 7”</th>
<th>40 cm x 35cm x 18 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>33 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</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>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;10,000 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-690kPa, 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 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
- Acryls
- Alkyds
- Latex
- Epoxies
- Polyurethanes
- Polyesters
- Powder Coats
- Silicone / Polysiloxanes
- Polyurea
- Coal-Tar Epoxy
- Ultra High Solids

SEALANTS REMOVED
- Elastomeric
- Caulking
- Polysulfide
- Polyether
- Butyls
- Acryls
- 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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