To innovate and deploy globally tools and techniques that use the power of plasma

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Located in the Research Triangle of North Carolina
Privately held, 2005
20 employees
Research and manufacturing facilities dedicated to advancing plasma technology
Plasma laboratory provides customer testing service for coating removal
- Computer controlled, 3 axis robotic system
- Variable size/power plasma systems
Easy access to NCSU, UNC and Duke Universities provides collaboration opportunities.
Commercial PlasmaBlast® units available for sale or lease
2019 Best New Technology Award- NCMS
TECHNOLOGY OVERVIEW

- Precision surface preparation, including coatings removal, on complex geometries found in marine, aviation, defense and commercial applications.
- Uses only compressed air and electricity.
- Removal process converts undesired coatings into harmless gases that are safely vacuumed away.
- Safer for operators and the environment than chemical stripping, media blasting or water jetting.

Strips and Preps in One Step™

- PlasmaBlast® removes coatings without physically altering the underlaying substrate.
- Plasma creates enhanced adhesion, resulting in superior recoating finishes.
Fast, Effective Surface Preparation

PlasmaBlast® PB 7000-M Advantages:

✓ One tool removes unwanted coating, cleans surface, promotes adhesion
✓ Patented atmospheric cold plasma technology
✓ Requires only air and electricity, media and chemical free
✓ 90% labor savings demonstrated (traditional method comparison)
✓ Removes coatings in tight, awkward spaces with zero substrate damage
✓ Sealed system handles harsh environments from 14°F to 105°F
✓ Protective frame incorporates 8 isolation dampers—only 35 pounds
✓ Hand-held, ergonomic precision pen — zero vibrational impact
Fast, Effective Surface Preparation

Ideal Applications for PlasmaBlast®

- When coatings on bolts, eyelets, angles and holes present problems
- When increased coating adhesion is required
- When removing paint from aircraft/ships/bridges/ etc
- When falling debris/containment is an issue
- When operator fatigue from grinding, needle gunning and sanding is a problem
- When inspecting welds for NDT/NDE requirements
- When touch up or spot removal is needed
PlasmaBlast® Atmospheric Plasma Surface Preparation

Removes unwanted coating/cleans/promotes adhesion

**COATINGS**
- Acrylics
- Alkyds
- Latex
- Epoxies
- Polyurethans
- Polyesters
- Powder Coats
- Silicone / Polysiloxanes
- Polyurea
- Coal-Tar Epoxy
- Ultra High Solid

**SEALANTS**
- Elastomeric
- Caulking
- Polysulfide
- Polyether
- Butyls
- Acrylics
- Rubber
- Silicons
- Polyurethane

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

...and more

Contact us for a FREE analysis of your specific coating/substrate combination
From Complex
needle gunning - media blasting

To Simple
PlasmaBlast® 7000
-wind turbine repair-