

APtivate™

PLASMA SURFACE TREATMENT

Better adhesion to inks, coatings, and adhesives.

At A Glance

- Fast Production Speeds
- Cool Temperature Plasma
- Robust Equipment Design
- Excellent Customer Support

SPEED

Modular design allows your production lines to run at fast speeds while reducing operating costs.

SAFETY

The APtivate™ runs cool with no risk of harmful electric shock. The low temperature plasma prevents substrate damage.

QUALITY & RELIABILITY

Our systems have been tested and proven to be reliable in 24/7 commercial settings.



TECHNOLOGY

APtivate™ patented cool plasma generates powerful chemical surface reactions. These reactions produce functional groups on your substrate surface which improve wettability and the chemical bond strength of inks, coatings, and adhesives to your base material.

SYSTEM OVERVIEW

The APtivate™ system integrates seamlessly into automated lines. Its robust and industrial design has no moving parts. You can be confident this system will deliver consistent, hassle-free performance shift after shift.

The system features the option of a two, three, or four head configuration to accommodate your manufacturing needs. Each plasma head is independently controlled via a central control panel and can be switched on and off locally or remotely.

The standard APtivate™ system treats a widths up to 25mm and is suited for a variety of surfaces. Wider-width systems, up to 2 meters are also available.

To learn more and for a free demo, contact us at info@apjet.com.

TECHNICAL SPECIFICATIONS

Mains Power	208V, 3p, 60Hz
Output Voltage/Power	900 W per head
Controls Interface	Manual local control Automatic remote control
Control Panel ¹ (WxDxH) [in]	20 x 8 x 20
Head Dimensions (WxDxH) [in]	4 x 6.5 x 2
Compressed air	60 psi, 30 slpm per head
Heads	2, 3, 4

Aptivate™

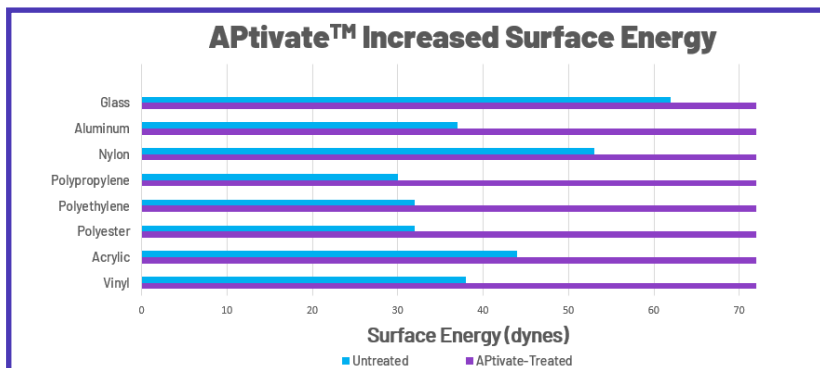
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Performance Data

IMPROVE WETTABILITY AND PRINTABILITY

Many substrates have low surface energy, meaning they are difficult to wet, resist printing, and do not adhere or bond well to adhesives or coatings.

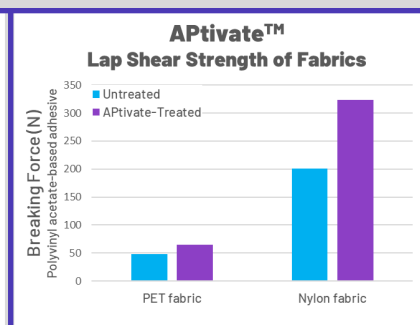
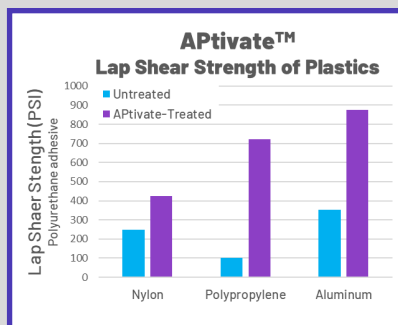
Treatment with the Aptivate™ cool plasma solves these problems, increasing surface energy, creating a wettable, printable surface that adheres well to coatings.



INCREASE ADHESION STRENGTH

The Aptivate™ patented cool plasma generates powerful chemical surface reactions that increase bond strength between difficult substrates and adhesives, improving the integrity and durability of composites.

In many applications, the increased bond strength allows solvent-based adhesives to be replaced with water-based adhesives, saving money and resulting in a more environmentally-friendly product.



BETTER PRODUCTS WITH PLASMA

APJeT's Aptivate™ plasma technology improves the surface chemistry of difficult materials, allowing for better printability, better wetting, and improved adhesion of coatings.

The system operates at industrial speeds and cool temperatures (42°C), preventing substrate damage and improving safety, while seamlessly integrating into existing lines and improving product performance.



With minimal operating costs, the Aptivate™ system is a simple and cost-effective way to create better products.

Want to improve your processes and create superior products? Contact us for a free demo!

Contact Us



FREE DEMONSTRATIONS

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