SURFACE TREATMENT SOLUTIONS:
Plasma Technology – Equipment, Consulting, Treatment Services and Support

The Company:
Since 1995, the core of the Plasmatreat business has been the development of cost-effective commercial process solutions for plasma surface pre-treatment of all types of materials – individually tailored to the requirements of our customers. Thanks to the versatile range of plasma applications, we are continuously innovating and developing new surface modification technologies. The Plasmatreat organization is supported by three technology centers and sales offices in 25 countries, representing major global industrial geographical locations. Products and processes are supported by over 100 patents. Therefore Plasmatreat’s Openair® Plasma has been recognized as a globally leading technology for atmospheric-pressure plasma solutions for surface treatment.

Our Capabilities:
A cleaner surface, a better bond: We understand manufacturers have an ongoing need to enhance productivity, improve product design and features, and lower costs. Increased regulatory pressures address the need to reduce VOCs (volatile organic compounds) and eliminate the waste-stream from conventional mechanical surface preparation. Plasmatreat’s technologies are eco-friendly, which support sustainability programs. To achieve a thoroughly clean and reactive surface resulting in better material bonds, we support you from development through production with laboratory process design through implementation of integrated manufacturing solutions. Plasmatreat are ready to offer our help to improve the efficiency of your surface modification programs.

- Openair® Plasma technology
- Vacuum plasma technology
- Corona plasma technology
- Contract surface treatment services
- Fully integrated work cells – design and build
- Material surface analysis
- Solving adhesion problems
- Research assistance
- On-site maintenance and support
- Warranty, parts and calibration services

Our Quality Standards:
Our rigorous quality programs and personal dedications of our employees govern all functions at Plasmatreat. This commitment to our customers drives us to abide by the following quality standards:

- DIN EN ISO 9001
- UL/CSA Certification
- CE Certification
- 2006/42/EG Certification
- VDE 0100-410:2007
- Conform to Restriction of Hazardous Substances (RoHS)
- Class 1000 clean room processing, handling and packaging
- Pollution Prevention Technology (State of California)
- DIN EN 55011:2011
- ANSI/NFPA 79-2010, ANSI/NFPS 70-2011

Our Values Statement
At Plasmatreat, becoming your business partner is a privilege. Our team seeks your company’s best interest, and respects your know-how and intellectual property. Our products and services are customized for your application. The Plasmatreat team members strive for your complete satisfaction and value a long-term customer relationship.
Innovative Openair® and Vacuum Plasma Systems

Building a Better Bond, Growing Together - Over 5,000 System Implementations Worldwide Since 1995

The Plasmatreat companies offer a variety of system formats for treatment of the widest range of materials from micron-sized powders to aircrafts to freighter ships. We offer this technology at an entry level and then allow upgrades related to growth in our customers’ businesses and processes.

**AURORA**

**Features**
- Flexible Low Pressure R&D / Production tool
- Primary cold gas plasma for thermally sensitive materials, 3-D parts
- Chamber Options – 9 removable trays 330 x 430mm (13 x 17 in.), tumbler, roll-to-roll
- 1000 watts RF 13.56 MHz, pulse option
- Four MFCs standard
- Optional liquid vaporization systems (up to 2)
- Versatile Processes – Cleaning, Activation, Polymerization for thin films, Grafting, Etching
- Industrial 17-inch Touchscreen HMI allows for user levels, data logging, trending, 100s of recipes
- Industrial pump package for high throughput
- 208VAC, Three phase, 30 amp

**AS400**

**Features**
- Flexible atmospheric R&D tool
- Openair® and plasma polymerization for SiOx coatings
- Jet Options – Non-rotational (with polymerization feature) or Rotational
- Variability of frequency, voltage and duty cycle
- Integral 2 Axis (X, Y) robot with manual 2 axis
- Working Area – 380 x 250mm (~ 14 x 10 in.)
- Industrial Touchscreen HMI control panel

**Advanced Technology – Matching Customers Needs**

**FG5002S/FG5005S**

**Features**
- Three phase input power with isolation transformer
- 1 to 4 (FG5002S), 5 to 8 (FG5005S) rotational or non-rotational jet capability
- Two line LCD programming and fault display
- Plasma parameters such as Frequency, Voltage and Duty Cycle can be varied
- External High Voltage Transformer and Jet
- LCM Option – Optical feedback to verify plasma presence to provide DIN EN ISO 9001 compliance
- RCM Option – Rotational jet feedback to verify proper operation
- HMI Option – Touchscreen operator control panel for displaying operational and fault messages. Ethernet and Profibus communication capabilities

**FG5002/FG5005**

**Features**
- Three phase input power with isolation transformer
- 1 to 4 (FG5002), 5 to 8 (FG5005) rotational or non-rotational jet capability
- Two line LCD programming and fault display
- Plasma parameters such as Frequency, Voltage and Duty Cycle can be varied
- External High Voltage Transformer and Jet
- LCM Option – Optical feedback to verify plasma presence to provide DIN EN ISO 9001 compliance
- RCM Option – Rotational jet feedback to verify proper operation

**FG5001**

**Features**
- Input Voltage can vary from 100 to 260VAC due to Wide Range Power Supply
- 1 or 2 rotational or non-rotational jet capability
- Two line LCD programming and fault display
- Plasma parameters such as Frequency, Voltage and Duty Cycle can be varied
- External High Voltage Transformer and Jet
- LCM Option – Optical feedback to verify plasma presence to provide DIN EN ISO 9001 compliance
- RCM Option – Rotational jet feedback to verify proper operation

**FG501**

**Features**
- 230 VAC Supply
- 1 or 2 non-rotational jet capability
- Fixed plasma parameters
- Fault light

**FG301**

**Features**
- 120 VAC Supply
- Single non-rotational jet capability
- Fixed plasma parameters
- Fault light

---

**Plasmatreat US LP**
2541 Technology Drive, Suite 407
Elgin, IL 60124
Phone: 847-783-0622
www.plasmatreat.com
infoptna@plasmatreat.com

**Plasmatreat North America Inc.**
1480 Sandhill Dr., Unit B
Ancaster, ON L9S 4V5
Canada
Phone: 905-304-5200

**Plasma Technology Systems**
276 Harbor Blvd.
Belmont, CA 94002
Phone: 650-596-1606
www.plasmatechsystems.com

---

Scan code for additional information.