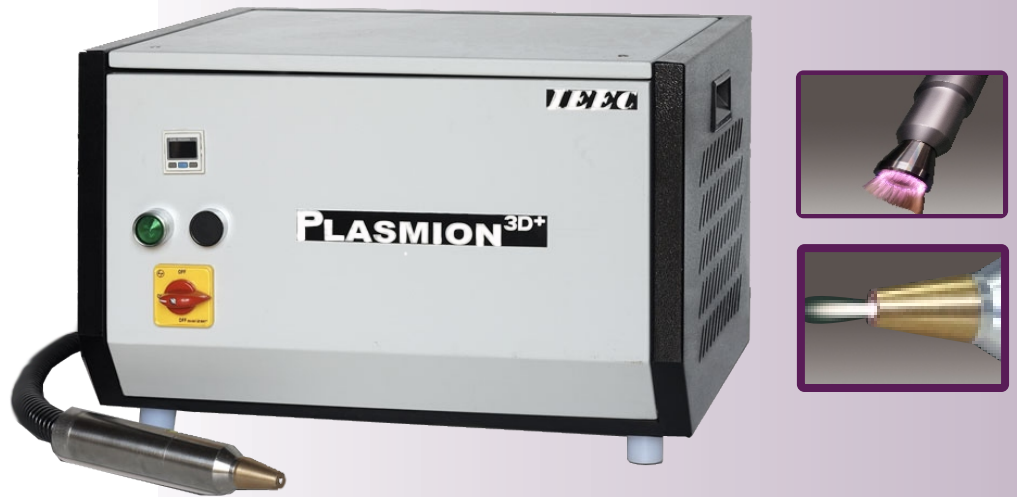


# Plasmion 3D+

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The process of increasing Surface Tension (dynes/cm) of a substrate by exposing it to an Atmospheric Plasma Flame is called Atmospheric Plasma Treatment. Non-contaminated, refrigerated dry, moisture free, and oil-free compressed air is passed through High Voltage at High Frequency wherein. Air molecules get ionized and air reaches fourth stage of matter (Plasma), creating Atmospheric Plasma. This jet of potential free plasma reacts with the substrate forming. Different functional groups, thereby increasing the hydrophilic properties after substrate.

#### Application

- Automotive components
- Medical devices
- Electrical Appliances
- Phone/Loyalty Cards
- Keypads
- Cables
- Extruded pipes
- Extruded profiles
- Injection mouldings
- Visors

#### Materials processed:

- PP
- PEEK
- PA
- TPE
- PE, HDPE
- Glass
- Composites
- Acrylics
- Metals

#### Surface modification prior to:

- Bonding/Gluing
- Coating
- Painting
- Flocking
- Printing
- Sealing
- Over moulding
- Gasketing
- Potting
- Surface cleaning

#### Industries served:

- Automotive
- Manufacturing
- Injection moulding
- Extrusion
- Electrical
- Medical device manufacture
- Research establishments
- Universities
- R&D Departments / Test labs

## **IEEC**

*We give the best treatment*

CE

**PBJ-INDUSTRIAL ELECTRONICS PVT. LTD.**

IEEC House, 72, BCD, Govt. Industrial Estate, Charkop, Kandivli (W),  
Mumbai - 400 067, INDIA • Tel.: +91-22-42418282

• Fax: +91-22-42418281 • E-mail: info@ieecpbj.com

• Website: www.ieecpbj.com