

Low Pressure Plasma System



Applications

- **Cleaning of surfaces**
(e.g. before bonding, soldering or gluing)
- **Activation of surfaces**
(e.g. before printing, varnishing or gluing)
- **Etching of surfaces**
(e.g. before microstructuring of silicon or etching of PTFE)
- **Deposition of surfaces -
plasmopolymerization**
(e.g. deposition of hydrophobic / hydrophilic layers)

Technical Data

1. Switch cabinet:

W 600 mm (24") x H 600 mm (24") x D 600 mm (24")
Weight: approx. 50 kg (without pump)

2. Plasma chamber:

W 160 mm (6") x H 160 mm (6") x D 320 mm (15")
Chamber volume: approx. 8 litres

3. Gas connection:

2 pcs. gas channels controlled with needle valves

4. Plasma power supply:

40 kHz / 300 W, infinitely variable

5. Electrodes and trays:

1 pc. electrode and 1 pc. tray

6. Electric control:

Fully automatic, process timer

7. Connections:

Gas: 6 mm Swagelok
Power supply: 110 - 120 V or 220 - 240 V AC / 50 - 60 Hz
Exhaust tube: Ø 10 mm

8. Vacuum pump:

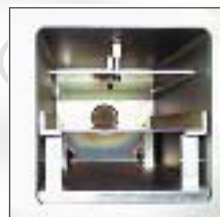
Rotary vane pump, suction power: min. 4 m³/hr
Pump is able to run with O₂



Plasma system Tetra 8: back side



Activation of plastics
- Tetra 8



Tetra 8 - tray

Applications

- Automotive
- Elastomer industry
- Electronics
- Medical technology
- Micro systems technology
- Optics
- Plastics industry
- Precision mechanics
- Research and development
- Semiconductor industry
- Small scale manufacturing
- Textile treatment
- ...

Options / Accessories

- 13.56 MHz generator
- 2.45 GHz generator
- Additional gas channels
- Additional trays
- Bias voltage measurement
- Carbon exhaust filter
- Corrosive gas version
- Device for powder treatment
- Faraday cage
- Gas shower
- Heating plate
- Mass-Flow-Controller
- Monomer bottle
- PC control
- Polymerization accessories
- Pressure reducing valve
- RIE electrode
- Rotary drum
- Spare parts kit
- Temperature measurement
- Test ink
- ...

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