

## 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 m<sup>3</sup>/hr  
Pump is able to run with O<sub>2</sub>



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
- ...

Find us on the internet at:

[www.plasma.de](http://www.plasma.de)