

# Laboratory and Small-Scale Production PLASMA-SYSTEM

S U R F A C E T E C H N O L O G Y

## PICO



### 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  
e.g. deposition of hydrophobic layers

### Users:

- Small-scale production
- Analysis
- Medical usage
- Research and Development
- Archaeology
- Semiconductor (plasma asher)

**Diener electronic**  
Plasma-Surface-Technology

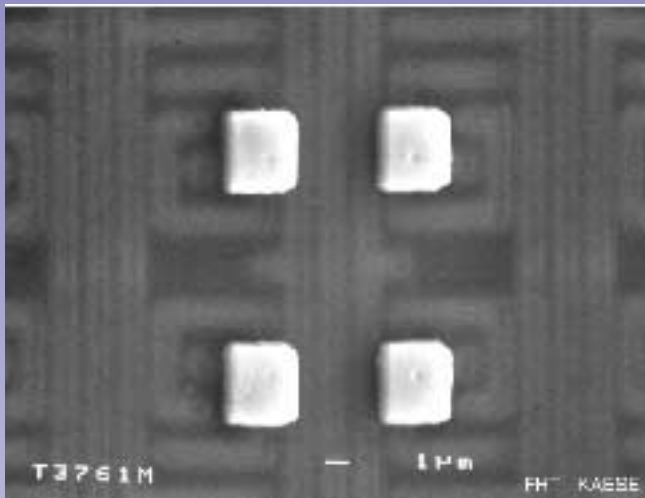
# PLASMA-SYSTEM PICO

## S U R F A C E T E C H N O L O G Y

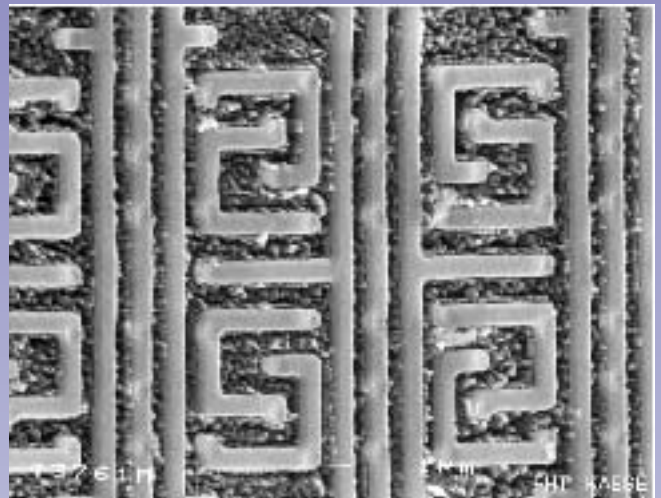
### Technical Data:

- Semi automatic control
- Chamber available in quartz or stainless steel
- Ø: 150 mm (steel) or 125 mm (quartz); length: 320 mm
- Generator frequency: 40 kHz (standard); 13.56 MHz; 2,45 GHz
- Generator power: 200 W, infinitely variable
- Process timer
- Pirani gauge
- Many options are available: rotary drum, temperature control, RIE-electrode, goods carrier, automatic control . . .

Scanning electron microscope graph of plasma etched surface



Passivated semiconductor: before plasma treatment



Passivated semiconductor: after plasma treatment

## **Diener electronic**

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HF-generators

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