

PiezoBrush PZ3

relyon **plasma**

A TDK GROUP COMPANY



Professional Set

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The **PiezoBrush PZ3 Professional Set** was developed as a compact plasma handheld device for use in laboratories, pre-development and assembly of small series. With a maximum power consumption of 18W, the Piezoelectric Direct Discharge (PDD[®]) technology is used to generate cold active plasma with a temperature of less than 50°C. The heart of this portable plasma device is the TDK piezo plasma generator CeraPlas™ – a high-voltage discharge device for generating cold atmospheric-pressure plasma.

Application examples:

- Activation and functionalization of surfaces of various base materials
- Improvement of the wettability
- Optimization of gluing, painting, printing and coating processes
- Surface treatment of plastics, glasses, ceramics, metals, semiconductors and composites
- Ultra-fine cleaning and odor reduction

- Includes:**
- The **Module Standard** is used for the treatment of non-conductive substrates such as:
Plastic, Ceramics, Glass, Natural fibers, Leather, Textiles
 - The **Module Nearfield** is used for the treatment of conductive substrates such as:
Metal, Metal alloys, Conductive polymers, CFK (carbon fiber reinforced plastic),
Wood, Indium tin oxide (ITO)

TECHNICAL DATA:

Electrical connection: **110-240 V / 50-60 Hz**

Power consumption: **max. 18W**

Weight: **110g**

Plasma temperature: **< 50 °C**

Typical treatment distance: **2 - 10 mm**

Typical treatment width: **5 - 29 mm**

