

## Low-pressure plasma system

# V180-5GR

## The efficient reel-to-reel unit

The reel-to-reel system V180-5GR is designed for the low-pressure plasma treatment of foils, leadframes and circuit boards.

The plasma process operates during winding of the substrates.

Rolls with interleaf (liner) can be treated as well.

### Available options

- Vacuum pump
- Ozone trap
- Further gas channels
- kHz generator (40 kHz)
- MHz generator (13,56 MHz)
- Variable interfaces
- Exhaust gas scrubber
- Soft-start and slow-vent

### Technical data

Outer dimensions: approx. W 1.903 x H 2.075 x D 908 mm

Roll dimensions: max. 400 mm dia., material width: max. 70 mm

Microwave power generators: 5 pcs. à 2,45 GHz, flexible power from 100 W up to max. 1.200 W

Gas supply: 2 gas channels with mass flow controllers and magnetic valves

Vacuum connection: DN 63 ISO-K

Electrical connection: 230/400 V, 50/60 Hz, 10 kW (without vacuum pump)

Process control: PLC control unit (PP 420 by B & R)

Vacuum gauge: capacitance manometer (independent of gas type)

Surface treatment methods: etching, cleaning, activation

*With the system V180-5GR surfaces of leadframes, foils and circuit boards can be etched, cleaned or activated.*



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