Relyon Plasma PB3 Plasmabrush for plasma cleaning and surface activation

The **Relyon Plasma PB3 Plasmabrush** offers convenient, high speed, high performance atmospheric plasma cleaning and surface activation. The **PB3 Plasmabrush** is a nozzle-type plasma generator which is particularly compact and offers long-term stability. Proprietary *Pulsed Atmospheric Arc Technology* uses a unipolar pulsed high voltage source and a vortex flow in the nozzle which delivers uniform high power density with only minimal warming of the nozzle and hardly any erosion of the electrodes.

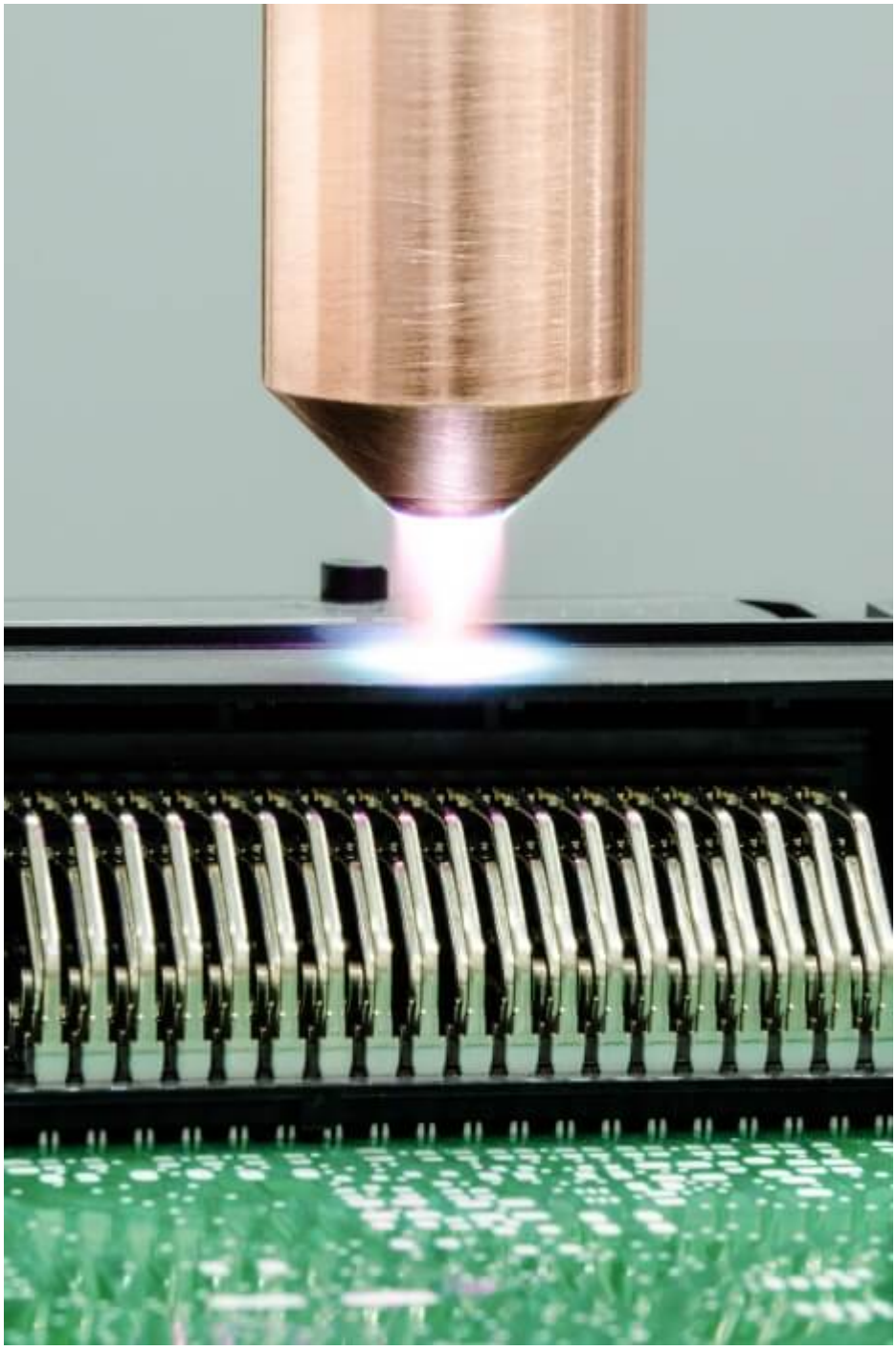
The use of atmospheric plasmas for industrial applications has become widespread in many different sectors. **Pre-treating** or **activation of surfaces** prior to bonding, coating or laminating is readily achieved using atmospheric gases, rather than wet chemical primers. At the same time, the **cleaning** action of the plasma can remove residues from release agents, lubricants or cleaning agents left on surfaces. Atmospheric plasma cleaning is a dry, non-contact, non-abrasive cleaning process.

The **PB3 Plasmabrush** is able to be integrated into continuous production processes due to a compact and lightweight, modular design and the adaption of the PS2000 high voltage power supply to the CanOpen industrial standard communication protocol. The system supplies meaningful digital data from which valuable process information can be gained**.** It offers precision for fine detail areas over-complex 3D shapes and is gentle enough to treat even thin textiles or delicate materials including porous substrates and foams – large areas may be treated remarkably quickly.

The **PB3 Plasmabrush** is used for applications such as cleaning/activation of metals, glass and plastics for optimum wettability of coatings, inks, etc., and preparation prior to sealing or bonding. More specialised projects have included the bleaching of textiles without the use of chemicals, and plasma sterilisation of fabrics and thermally sensitive plastic materials.

Relyon Plasma PB3 Plasmabrush for plasma cleaning and surface activation

Relyon Plasma PB3 Plasmabrush for plasma cleaning and surface activation



Relyon Plasma PB3 Plasmabrush for plasma cleaning and surface activation

Supplied by:

INTERTRONICS
12a Station Field Industrial Estate, Banbury Road, Kidlington
Oxfordshire England OX5 1JD
t 01865 842842 e info@intertronics.co.uk

Last updated: April 2018