

# PlasmaBrush PB3 Plasma Surface Treatment System



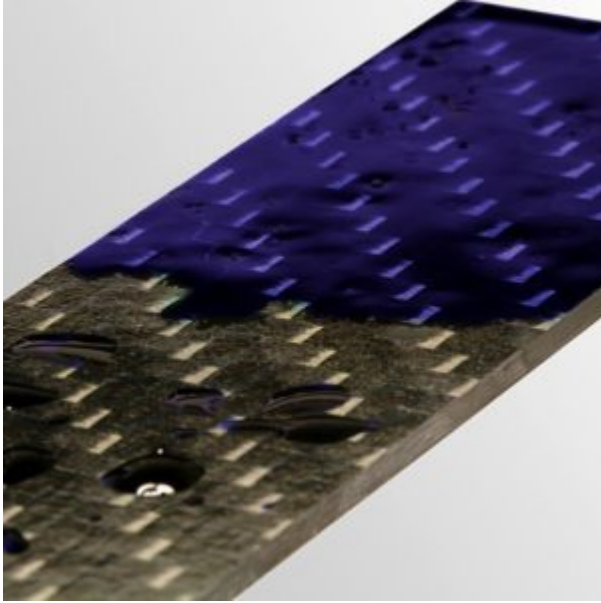
## Description

Relyon Plasma surface treatment products improve adhesion and wetting of surfaces which are otherwise difficult to bond or print on. Plasma surface treatment is both highly efficient and environmentally friendly, and the bulk properties of the treated part are not altered. The surface does not suffer marks or discolouration.

The **PlasmaBrush PB3** is designed for integration into automated manufacturing processes. The lightweight and compact head can be easily mounted on a robot. The PlasmaBrush uses air supply to operate, but can also be used with noble gases where required. Typical applications for the PlasmaBrush include:



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Pre-activation for bonding, sealing, casting or printing

- Coating, laminating and sealing
- Ultrafine cleaning
- Reduction of oxide layers
- Surface functionalization
- Germ reduction and sterilization

The PlasmaBrush PB3 system meets the requirements of the independent communications industrial standard CANopen®. The PS2000 power source for the PlasmaBrush can be controlled with a simple DIP switch.

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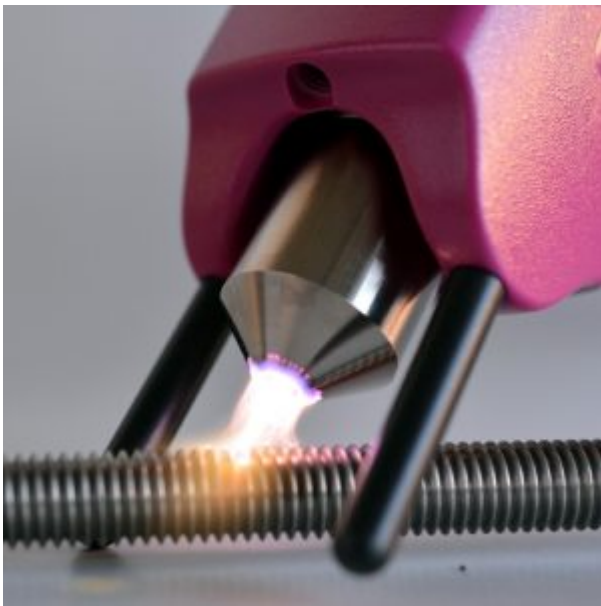


A complete workstation package is available, comprising the PlasmaBrush PB3 mounted on a robot with enclosure and extraction unit.

For more information on [how plasma surface treatment can improve bonding](#), watch our video on [YouTube](#).

*CANopen® is a registered trademark of CAN in Automation (CiA) GmbH.*

## Features & Benefits



- Improves adhesion & wetting

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- Efficient and environmentally friendly
- Head can be easily mounted on a robot

## Applications

- Medical

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Plasmabrush PB3 Workstation

Filters, cell wells, test tubes, catheters, syringes, petri-dishes, needle hubs, lenses

## ■ Automotive

Fuse covers, engine parts, air bag covers, rubber profiles, tubing, headlights

## ■ Electronics

Cable, switches, polyester pcb's, housings & enclosures, screens

## ■ Consumer

Irons, blenders, shakers, measuring containers

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- Food, cosmetics & drug  
Bottles, caps, jars, tubes

Relyon Plasma systems can be incorporated into existing or new production lines, and supplied as semi to fully automated systems or as a stand alone workstation.

## Other Information

Find out more about the technology behind the PB3 by reading our [technical bulletins and white papers](#) :

- [Plasma Technology for Surface Cleaning](#)

## Ordering Information

Part number	Description
REL78879101	Relyon Plasma PlasmaBrush PB3 - plasma generator PG-31 with 1m cable

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Part number	Description
REL78879601	Relyon Plasma PlasmaBrush PB3 - generator connecting cable, HVC high voltage, 9m
REL79120002	Relyon Plasma PlasmaBrush PB3 - PS 2000 power source, 19" wide with display
REL1000603600	Relyon Plasma PlasmaBrush PB3 - PS 2000 emergency stop switch
REL1000242500	Relyon Plasma PlasmaBrush PB3 - nozzle A250 for temperature-sensitive surfaces, copper
REL1000600700	Relyon Plasma PlasmaBrush PB3 - nozzle A350, middle power density, copper
REL78707200	Relyon Plasma PlasmaBrush PB3 - nozzle A450, high power density, copper
REL1000605400	Relyon Plasma PlasmaBrush PB3 - digital I/O communication package
REL1000603700	Relyon Plasma PlasmaBrush PB3 Starter Kit G - gas supply package, includes power supply, air preparation, solenoid, cables and hose

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Let's start by talking about your application

<div><div>01865</div></div> <div>842842</div>	<div><div></div></div> <div>orders@intertronics.co.uk</div>
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■ Name\*

■ Company\*

■ Phone\*

■



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Email\*

■ Post code\*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

■ Tell us about your application

Any information that you submit using this form will be processed according to our [privacy policy](#).

■ Email

This field is for validation purposes and should be left unchanged.

Submit

Supplied by:

**intertronics**

INTERTRONICS

12a Station Field Industrial Estate, Banbury Road, Kidlington

Oxfordshire England OX5 1JD

t 01865 842842 e [info@intertronics.co.uk](mailto:info@intertronics.co.uk)

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