

Automated plasma surface treatment on demonstration

If you've visited our Technology Centre here in Kidlington lately, you will have noticed the enclosure containing a robot-mounted [Relyon PB3 Plasmabrush](#) plasma surface treatment system.

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Relyon plasma surface treatment products improve adhesion and wetting of surfaces which are otherwise difficult to bond, print on, coat or laminate. Atmospheric 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 **Relyon PB3 Plasmabrush** can be integrated into continuous production processes thanks to its compact, lightweight, modular design and adaptation of the PS2000 high voltage power supply to the CanOpen industrial standard communication protocol. This integration offers repeatable precision for fine detail areas over complex 3D shapes, and also makes it gentle enough to treat even thin textiles or delicate materials, including porous substrates and foams.

To demonstrate this integration, the **Relyon PB3 Plasmabrush** in our Technology Centre is mounted on a [Fisnar F7400N cartesian benchtop robot](#), the largest in the F7000N series with a 400 x 400mm working area. Of 3-axis configuration in standard form, the Fisnar F7400N is also available in 4 and 5-axis variants.

If you need to bond, print, coat or laminate a substrate that has poor wetting properties, please [contact us](#) to arrange for a demonstration.

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