

Tetra Series, Scalable Plasma Surface Modification Equipment

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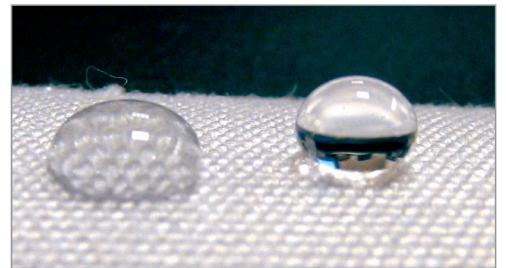
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The Tetra Series low pressure plasma surface modification equipment from Henniker Scientific is now available with a range of chamber sizes suitable for both laboratory development and industrial scale plasma surface treatments.

Chamber volumes of between 2L and 12,000L permit the direct transfer of any developed plasma surface engineering process from the laboratory to an industrial setting, addressing a fundamental requirement of process scalability.

Processes are available for both ultra-fine surface cleaning, to enhance bonding characteristics of difficult to join surfaces, and for deposition of permanent nano-scale polymer surfaces, which can render a surface completely hydrophobic or hydrophilic in nature without affecting the bulk material characteristics.

Plasma surface modification applications with the Tetra Series are wide ranging, from improved bonding in medical device manufacture to enhancing the properties of advanced aerospace and automotive composites.



Permanent hydrophobic plasma surface modification of textiles



Large scale plasma surface activation of plastic parts

Henniker Scientific Ltd

Cavendish House
Birchwood Park
Warrington WA3 6BU
England

Tel: +44 (0) 1925 811254

Fax: +44 (0) 1925 800035

Email: info@henniker-scientific.com

Web: www.henniker-scientific.com