

PRESS RELEASE

Henniker Plasma Launches 'Stratus', A range of turnkey Plasma Manufacturing Cells for Automated Surface Preparation



STRATUS PLASMA MANUFACTURING CELLS

July 2025 – Henniker, UK —

Henniker Plasma, a leading manufacturer of plasma treatment systems, announces the launch of its **Stratus Plasma Manufacturing Cell** range — a fully integrated, turnkey solution that combines advanced atmospheric plasma surface treatment with robotic automation.

Stratus systems are designed to deliver high-speed, high-precision surface activation and cleaning for a broad range of materials and applications. From automotive and aerospace to medical device manufacturing, electronics, and battery technology, Stratus unlocks new efficiencies in production environments that demand repeatable and reliable results.

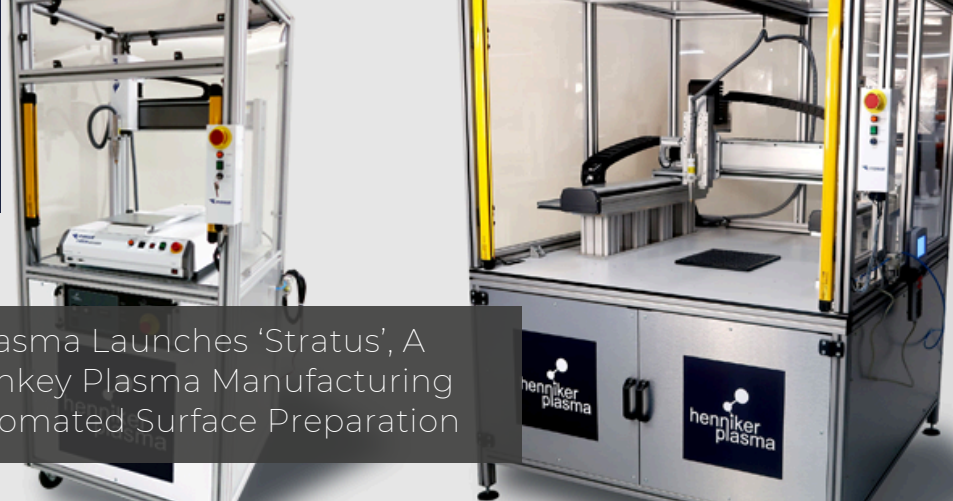
"The Stratus range reflects our commitment to developing practical, plug-and-play plasma solutions that integrate seamlessly into real-world manufacturing workflows," **said Terry, Managing Director at Henniker Plasma.** *"With Stratus, surface treatment becomes not just more effective, but also more accessible, sustainable, and scalable."*

Henniker Plasma, a leading manufacturer of plasma surface treatment equipment, announces the launch of its **Stratus Plasma Manufacturing Cells**.



Stratus Series III System.

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PRECISION, REPEATABILITY AND SIMPLICITY

Available in multiple configurations with programmable work areas from 200x200mm to 800x1200mm and up to 150mm of z-axis motion, each Stratus system operates over a full 3-axis range. The built-in teach pendant makes setup intuitive even for first-time users, while onboard memory can store hundreds of treatment programs for flexible, multi-part production lines.

BENEFITS AT A GLANCE

- **Improved Adhesion:** Plasma increases surface energy, enhancing adhesion of adhesives, inks, and coatings.
- **Clean, Activated Surfaces:** Removes contaminants and residues for consistent downstream bonding.
- **Automated Precision:** Integrated robotics ensure efficient, repeatable processing.
- **Multi-Material Compatibility:** Works on polymers, metals, ceramics, and glass.

BUILT FOR PRODUCTION ENVIRONMENTS

Every Stratus cell comes CE-certified and requires only single phase mains power and compressed air, eliminating the need for additional process gases or infrastructure. The system's proprietary high-stability plasma generator delivers consistent treatment quality, even under continuous operation.



Key Features:

- **Plug-and-play operation** in minutes
- **User-friendly programming** via teach pendant
- **Flexible integration** into existing workflows
- **Compressed air plasma:** cost-effective and chemical-free
- **Built-in safety systems** including light curtain and self-diagnostics
- **Eco-conscious process:** no hazardous chemicals, minimal emissions

Stratus Series V System.

From **surface pre-treatment for coatings and adhesives to precision cleaning of complex parts**, the Stratus range provides the performance and reliability demanded by modern manufacturing — all in a compact, easy-to-integrate package.

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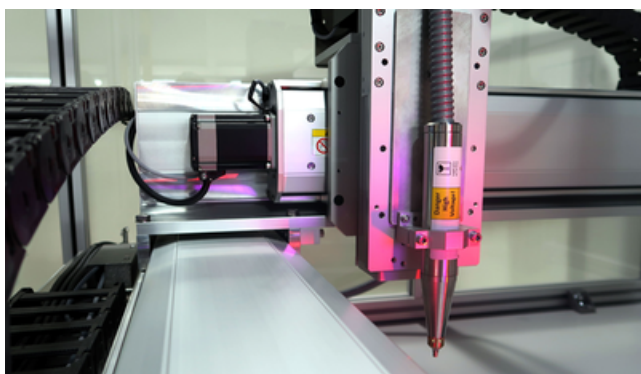
ABOUT HENNIKER PLASMA

Henniker Plasma is one of the leading manufacturers of plasma treatment systems for cleaning, surface activation to improve adhesion, and functional nano-scale coating.

Backed up by more than 20 years of experience, Henniker's innovative plasma treatment equipment is trusted globally in both critical industrial manufacturing settings to solve key adhesion challenges, and by leading academic research groups helping to support a wide range of fundamental research.

Henniker's advanced plasma systems are configurable tools that are both robust enough for reliable, repeatable industrial processing and at the same time flexible enough for the research into, and development of, leading-edge plasma processes. They transform materials, adding significant functionality and value.

For more information about Henniker Plasma visit:
plasmamatreatment.co.uk



Stratus Series VI System.

Media Information

For Immediate Release

MEDIA CONTACT

Gill Bolton
Marketing & Communications
Director
+44 (0)1925 830 771
gbolton@plasmamatreatment.co.uk

HENNIKER PLASMA

3 Berkeley Court, Manor Park,
Runcorn, Cheshire WA7 1TQ UK
+44 (0)1925 830 771
info@plasmamatreatment.co.uk
www.plasmamatreatment.co.uk