

PRESS RELEASE

Henniker Plasma Launches 'Nova'. An Advanced Benchtop Plasma System for Research, Development, and Scale-Up.

NOVA ADVANCED BENCHTOP PLASMA SYSTEM

November 2025 – Henniker Plasma, UK

Henniker Plasma, the UK's leading manufacturer of plasma treatment systems, has announced the launch of Nova, a new advanced benchtop plasma system that brings industrial-grade process control to the research and development environment.

Solving the Scale-Up Challenge

In R&D environments, reliable process transfer to production can be limited by the control capabilities of smaller plasma systems. Nova eliminates this barrier by delivering the same automation logic, process parameters, and data recording features found in Henniker's large-scale systems.

This consistency enables researchers and engineers to develop, test, and validate plasma treatment processes in-house, with complete confidence that results will translate directly to production.



"The Nova represents the next step in bringing industrial plasma precision to the laboratory," **said Terry, Managing Director at Henniker Plasma.** *"It allows R&D teams to innovate and refine their plasma processes with the same control logic and automation used in production environments - ensuring faster development cycles and a seamless route to scale-up."*



Henniker Plasma, a leading manufacturer of plasma surface treatment equipment, announces the launch of its **Nova Advanced Benchtop Plasma System**.



Nova Advanced Benchtop Plasma System

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COMPACT, AUTOMATED, AND SCALABLE

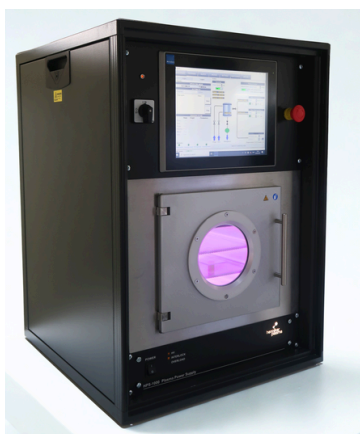
The Nova Advanced Benchtop Plasma combines PLC automation, recipe-driven control, and data traceability derived from Henniker's large-format Nebula production systems, all within a compact footprint.

BENEFITS AT A GLANCE

- **Compact** benchtop design with large-system control capability
- **Automated**, recipe-driven operation via industrial PLC
- **Compatible** with a wide range of gases and materials
- **Ideal bridge** between R&D, pilot production, and full-scale Nebula systems

PROOF IN PRACTICE

Henniker's plasma technology is already trusted by leading research institutions, including the Francis Crick Institute, where plasma cleaning and activation underpin PDMS bonding in microfluidic device fabrication. The same precision and reliability are now available in the Nova platform, empowering research teams with industrial-grade control and scalability.



*Nova Advanced Benchtop
Plasma System*

Applications Include:

- **Microfluidics** and biomedical coatings
- **MEMS** device functionalisation
- **Barrier and adhesion layers** for advanced materials
- **Optical** and electronic interfaces

The Nova Advanced Benchtop Plasma delivers **industrial-grade plasma capability in a compact format**. Combining PLC automation, recipe-driven control, and optional CoatX nano-coating platform, Nova enables R&D teams to develop and validate surface treatment processes with full scalability to Henniker's Nebula production systems.

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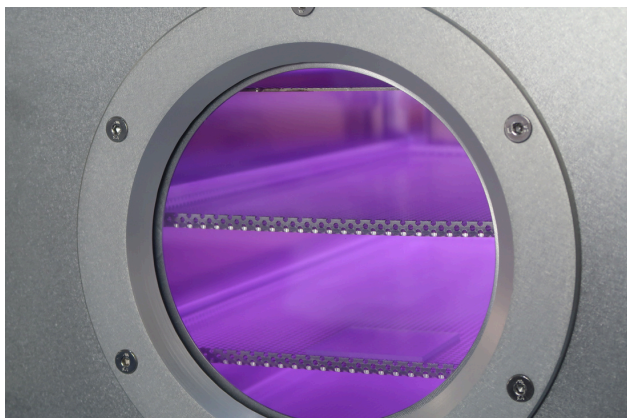
ABOUT HENNIKER PLASMA

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



Nova Advanced Benchtop Plasma System

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For Immediate Release

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