



NL50

BENCHTOP NANOPARTICLE DEPOSITION SYSTEM - DESIGNED FOR SHARED LABORATORIES

The NL50 is a simple to use and compact tool which is ideally suited to a shared research or teaching laboratory. The system can be used by student and researchers in parallel on a diverse range of projects without fear of cross contamination and offers a perfect introduction to nanotechnology.

" The NL50 is the ideal shared nanotechnology tool"

Perfect for

- * Shared research laboratories
- * Teaching/Training
- * Multidisciplinary teams



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NL50 Features include...

Easy to use

The simple user interface manages all vacuum operations. The user simply inputs the material that is loaded and the desired nanoparticle weight/loading. Optimised settings for common materials means that users can start depositing the desired nanoparticles straight away. No previous vacuum or nanoparticle experience required!



Flexible

A single NL50 can deposit a wide range of materials (including Ag, Au, Cu, Pt, Ti, Zr, Ni, Co, Mo and more) onto a wide range of substrates, including glass, plastic, microwell plates, metals, TEM grids SEM stubs and more.

Easy to change materials

The NL50 can be used for a range of different projects in parallel. Source material exchange can be carried out in a few minutes using only a screwdriver.



No Cross contamination

Simple cleaning of the substrate stage is all that is required to ensure no cross contamination when changing materials.

Safe to use

All High Voltage outlets and pneumatics are interlocked to protect the user. The nanoparticles are bound to the insides of the chamber and to the substrate so use of simple PPE, such as gloves and face masks will protect users from exposure.

Robust design

The fully contained design and interlocks mean that novice users can't break expensive components, such as pumps or power supplies.