

Micropositioning Stage Option

The Micro Positioning Stage is designed for removing the sample from the system between lithography or imaging steps for additional processing, such as etching, cleaning, or functionalization. When used in conjunction with the Micro/NanoMap portion of InkCAD™ software, the user can easily return to the same spot on the sample as many times as needed.

The stage consists of two sections, a bottom layer which contains the lockable rotary micrometer and a removable top layer with the sample placement guide. Three magnetized kinematic mounts insure that the top layer of the sample stage can be removed and replaced with respect to the bottom layer exactly the same way each time. The bottom section is fixed to the XY sample stage of the DPN 5000 System with a thumb screw, and can be easily removed.

Features

- XY sample placement guided by three pins, for accurate repositioning of sample after removal from sample stage
- Accommodates square sample sizes from 5 mm, 1 cm, 2 cm, and 3 cm
- Up to four additional designated locations for Inkwell Arrays
- Vacuum compatible with separate inlets for sample and Inkwell Arrays
- 360° micrometer with 2° increments for coarse alignment, and
- Lockable rotary micrometer for fine alignment
- Magnetized kinematic mounts for easy removal and replacement of top

Item Name: Option, Micropositioning Stage

Part #: DPN-0311-01

Compatible with the DPN 5000 System and NSCRIPTOR™ DPN System

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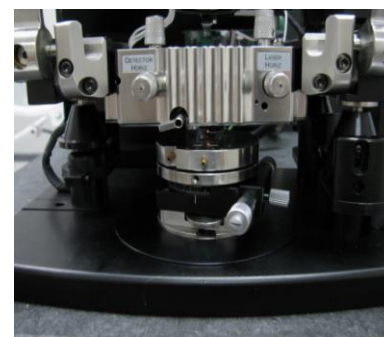


Figure 1: Above) The Micropositioning Stage in the DPN 5000 System. Below) Sample placement pins and guides for accurate placement of samples.

