Spotter & Nano Dispensers

Bio-Spotter ™

Universal Array Spotter

A flexible new solution, versatile personal spotting tool for SNP Mapping, Genotyping, Differential Gene Expression, Proteomics & Other Applications
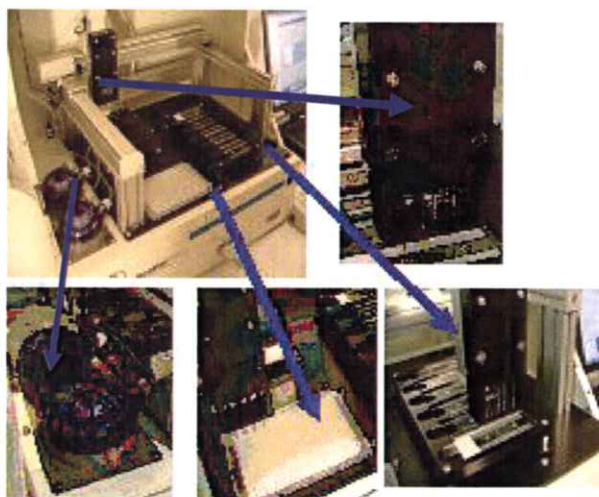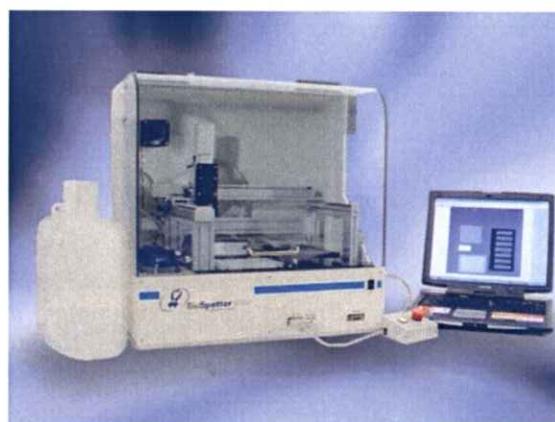
Personal Bio-Spotter ™

Hardware:

- *1536-well compatible*
- *10 slide capacity with pre-spotting*
- *100 microns spot size*
- *3 x 3 head at 4.5 mm center-to-center distance*
- *Dual peristaltic pumps with blower / vacuum drying*
- *Modular, compact design to conserve bench space*

Software:

The Bio Spotter software with user friendly GUI provides high flexibility in the creation of the source plate and the pattern on the glass slide, providing extensive control over the entire protocol design and minimize set up time.

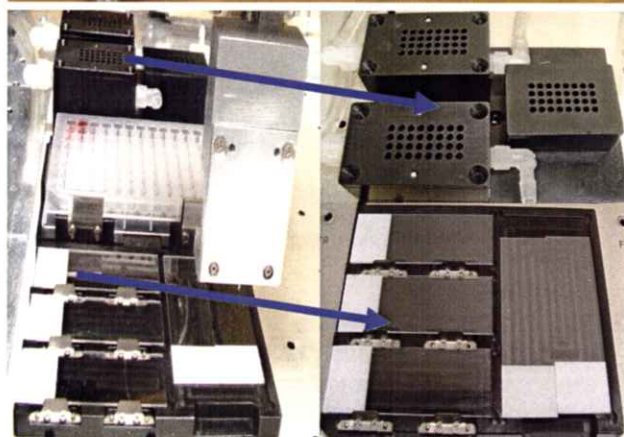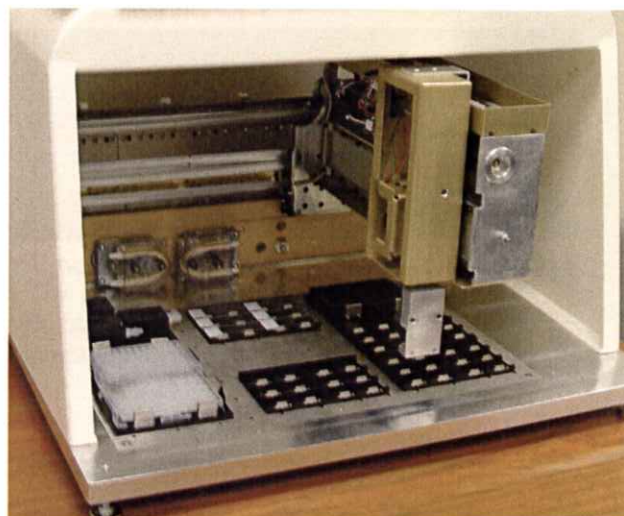| Interface	**Windows-based GUI**
Protocols	Create and save custom array map, cleaning protocol, standard templates, quick test run feature
Flexibility	- Provides a flexible well map as the source for printing of arrays compatible with the print head. - Ability to generate source plate based. - Tracks sample placement in arrays and imports external files for array selection or source plate formatting on slide configuration. - Generates comprehensive log file to track any given array location.

BIS Bio-Spotter ™

Hardware:

- *1536-well compatible*
- *50 slide capacity with pre-spotting*
- *100 microns spot size*
- *3 x 3 head at 4.5 mm center-to-center distance*
- *Dual peristaltic pumps with blower / vacuum drying*
- *Modular, compact design to conserve bench space*
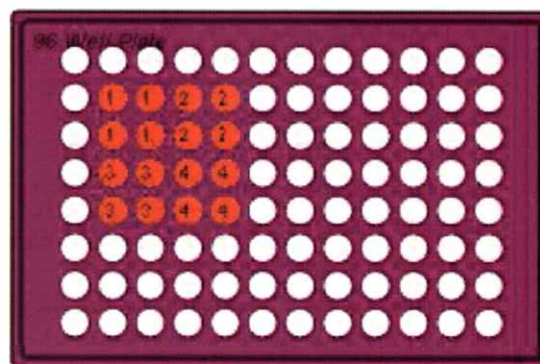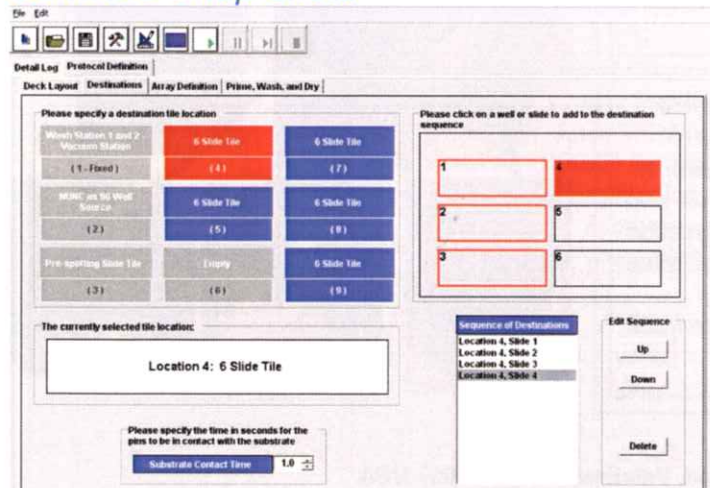
Software:

The Bio Spotter software with user friendly GUI provides high flexibility in the creation of the source plate and the pattern on the glass slide, providing extensive control over the entire protocol design and minimize set up time.

Interface	Windows-based GUI
Protocols	Create and save custom array map, cleaning protocol, standard templates, quick test run feature
Flexibility	• Provides a flexible well map as the source for printing of arrays compatible with the print head. • Ability to generate source plate based. • Tracks sample placement in arrays and imports external files for array selection or source plate formatting on slide configuration. • Generates comprehensive log file to track any given array location.

Software Snap-shots

Source Plate

Nano Dispenser ^{TM}

Bench Top Dispenser using Disposable Tips

A flexible new solution, versatile personal spotting tool for Serial Dilution, Maldi Spotting, Gel Loading, Proteomics & Other Applications
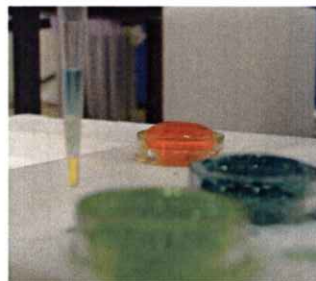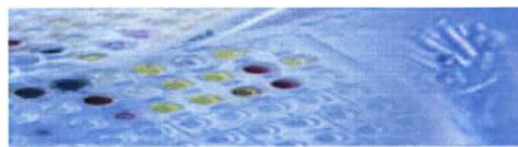
Personal Nano-Dispenser ^{TM}

Hardware:

- *384-well compatible*
- *Disposable Tips 200 µl, 50 µl, 30 µl*
- *Minimum volume dispensed*

  Disposable Tips 100 nl

  Fixed Probe 20 nl
- *1-4 Fixed Probes*

Software:

The Nano Dispenser software with user friendly GUI provides high flexibility in the selection of source plate and destination, providing extensive control over the entire protocol design and minimize set up time.

Interface	Windows-based GUI
Protocols	Create and save custom protocols for low volume dispensing, serial dilution, cleaning protocol, standard templates, quick test run feature
Flexibility	• Provides a flexible well map for the selection of the source region and the destination. • Tracks sample placement and imports external files for selection of source using external files. • Generates comprehensive log file to track the source and destination wells in a given protocol.

Technical Specifications

Instrument Configuration	PERSONAL	STANDARD
Dimensions W x D x H	20.00" x 15.25"" x 22.50" 520mm x 385mm x 570mm	29.50" x 25.00"" x 22.50" 749mm x 635mm x 570mm
Platform Dimensions	12.00" x 9. 50"" x 4.00" 304mm x 241mm x 100mm	16.50" x 17.25"" x 8.00" 419mm x 440mm x 200mm
Tiles	4	12
Slide Capacity	5	30
Dummy Slides	2	5
96 Well Plates, 384 Well Plates 1536 Well Plates	Yes	Yes
Pin Head Capacity	9	9
Linear Stages	Stepper – Open Loop	Linear/Stepper-Feedback
Precision	< 20 µm	10 µm
Washing Of Pins	Standard	Standard
Heated Air	Optional	Optional
Vacuum / Blower	Standard	Standard
Printing Modes	Pin Tools	Pin Tools
Clear Enclosure	Standard	Standard
Humidity Control	Optional	Optional
Cooling Tiles	Optional	Optional
Disposable Tips	No	Optional
Print Heads	Fixed	Disposable/ Fixed
Reformat Source Plate	No	Yes
Regulatory Standard	Compliance with CE	Compliance with CE
Applications	Array Printing MALDI Spotting Expression Analysis Proteomics	Serial Dilution Cherry Picking Array Printing MALDI Spotting Expression Analysis Proteomics

The image shows the spots of 150 microns diameter with 250 microns center-to-center spacing.

The image shows 90 - 100 microns spots at 200 microns center-to-center spacing on the right..