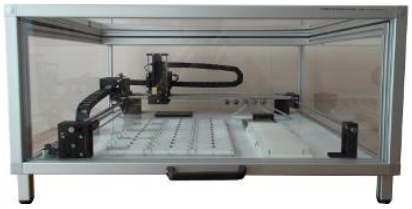
LabNEXT
the Fine Art of Microarraving



THOMAS™
High Capacity Microarray System

THOMAS™ Microarray System meets medium to high throughput requirement for microarray production. If features high flexibility and ease of reconfiguring for printing microarrays on substrates made of glass, membranes and 96-well microplates.

Highlights

High capacity and throughput in manufacturing of microarrays on all types of substrates.

Deposition of DNA, oligonucleotides, proteins, bacterial clones and other materials with low cross contamination due to unique metal-ceramic printing pins Xtend.

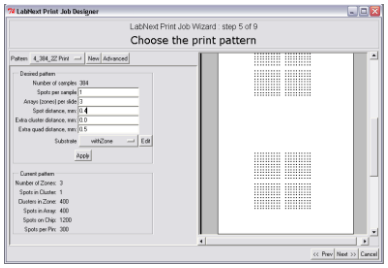
Multitude of working configurations for different type of substrates and source plates

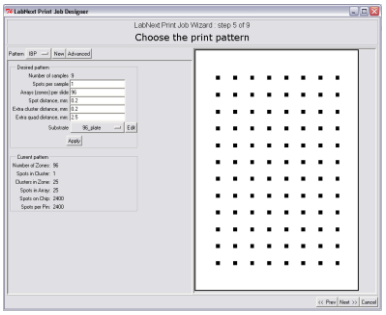
Prints up to 400 (20õ20) samples in each well of 96-well plate or up to 30K samples on glass slides 1"x3"

Software Features

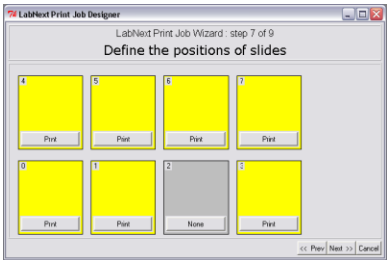
Visual Microarray Design

The system allows preview of the microarray layout. At the design stage it is possible to define printing pattern, spot repetitions and pickup sequence and other important parameters of the microarray. The software offers manual and automated methods of microarray design. In the automated mode the most rational use of microarray surface prompted. Once created the microarray design can be saved in the computer repository and used for other printing jobs.





Visual microarrayer controls



Specifications

Accessible operating are:
- Length (X): 374ìì Width (Y): 382ìì Height (Z): 70ìì

Resolution
X, Y 0.01 mm, Z ; 0.01 mm (spacing between two nearest possible spots)

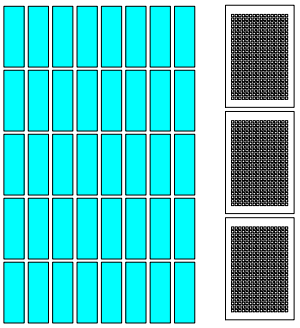
Size
- Length: 609ìì width: 609ìì Height: 250ìì
- Weight: 15kg

Power supply
- 100-240 VAC(40-60 Hz)

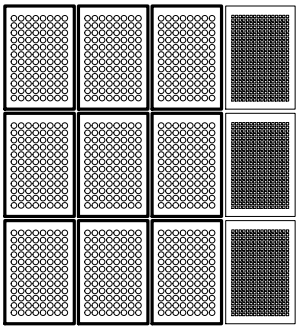
Computer requirements
- USB port
- Windows XP or2000

Work Board Configurations

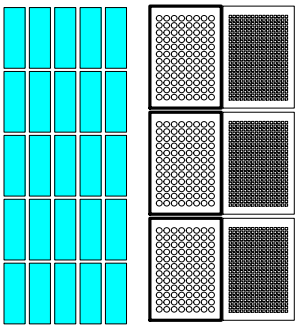
40 glass substrates / 3 source plates
Provides maximal capacity for printing arrays on 1"x3" glass substrates



9 96-well delivery plates / 3 source plates
Provides maximal capacity for printing arrays in 96-well plates.



3 96-well delivery plates / 25 glass slides / 3 source plates
Most versatility in printing arrays both on glass slides and in 96-well plates. Does not require reconfiguring the system to switch from one type of substrates to another.



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