

Introducing the new **iFOUR**

**Precision
dispensing
from
30 picoliter
to 100 nl
per drop.**

The latest entry-level
spotter from M2-
Automation GmbH
(Berlin).

The spotter uses the
very same dispensers
available on production
units, thus enabling you
to perform R&D on your
bench, at a low entry
cost.

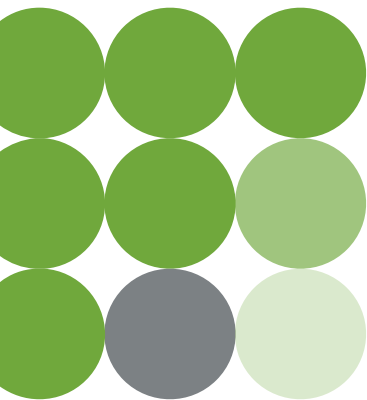


From about \$70K !

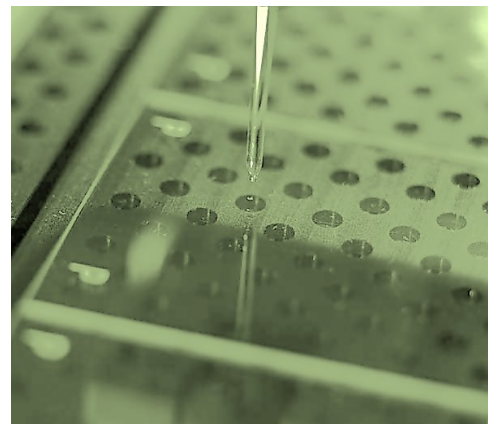


Low volume dispensing experts
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Microarray printing Biosensor coating Biochips / Microfluidics Low-volume micro pipetting *... and many more applications ...*



Specifications:

Volume Range: 30 pL to 100 nL / drop
Dispense CVs: ~ 2-5%

Dispenser Options: PDMD (piezo)
M2MD (proprietary)

Working Area: 130/180 x 200 mm
XY resolution: +/- 1 um
XY accuracy: +/- 20 um
+/- 0.0007 in

Source Options: 96-well MTP
384-well MTP
3x8 Tubes (200 ul)

Target Options: 16 slides
2 MTPs
Planar Target Holder
(for wafers, membranes)

Other Options: Humidity control
Syringe Pump
Vacuum Table

Dimensions: 50 x 50 x 50 cm
20 x 20 x 20 in

Weight: 50 kg / 110 lbs

Power: 110 V

InDot Software

A new, unique software package that offers an intuitive and innovative way to create patterns of dots from any sample source location, in any formation and to any position on target substrates.

Advanced Imaging

Target fiducial markings can be used to align the spotting pattern. Imaging of the spotted area allows for thorough QC of each chip in each run.

Drop Volume Detection

Before and after each spotting run, drop formation can be detected and their volumes measured. The volume measurement function is very useful to tweak volumes to desired values.

Wash Station & Disposable Tips

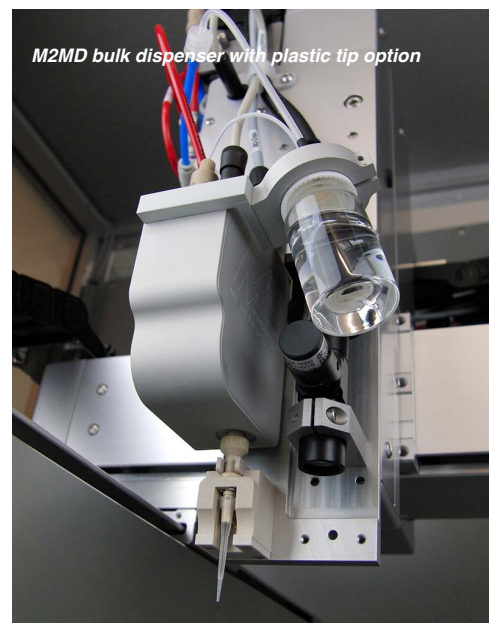
A wash station is present to clean glass and plastic tips during a run. Unique plastic tips are available for volume dispensing from 20 nL. These are useful when dispensing polymers or other difficult to clean samples.

Liquid Path Air-Free

The Ultra-low volume dispensing depends on air-free system liquid. Combined with in-line filtering and degassing, the liquid path air-free option results in the most robust way to supply the dispensers with perfect system liquid.

Pulse Shaper

A very useful feature to optimize drop ejection of more viscous samples. It is also useful when dispensing droplets of 30-40 pL.



M2MD bulk dispenser with plastic tip option



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