

TABLETOP SERIES

The Tabletop Series dispensing tool is an X/Y/Z computer controlled platform that can drive any of nScript's precision dispensing pumps—the Smart Pump™ 100, the Smart Pump™ 20, the Micro Mixer Pump and the Positive Displacement Pump. The Tabletop Series is a complete Computer Aided Tool. With the necessary nSoft software, any pattern can be printed in the XY plane or raised into the Z plane for a conformal surface.

X/Y Stage Type	ATS115
X/Y Travel	300mm × 150mm
X/Y Accuracy	±12µm
X/Y Repeatability	±2µm
X/Y Resolution	0.5µm
Maximum X/Y Travel Speed	300 mm/s
Z Stage Type	ATS115
Z Travel	100mm
Z Accuracy	±6µm
Z Repeatability	±1µm
Z Resolution	0.5µm
Maximum Z Travel Speed	300 mm/s



Standard Equipment & Options

Computer and Software

- Pentium 4™ with CD-ROM Drive
- Windows XP™ Operating System
- 17" LCD Monitor and Video Monitor
- Ethernet Network Port and RS232

Frame and Base

- Motion Base: Aluminum base, risers, and bridge
- Machine Frame: Vendor supplied

I/O

- Digital I/O: 24 inputs, 24 outputs
- Analog I/O: 3 inputs (12-bit), 3 outputs (16-bit)

Dispense Pump Options

- Smart Pump™ 20 – 20 picoliter control
- Smart Pump™ 100 – 100 picoliter control
 - Dynamic flow control allows for adjustment as material properties change over time
 - Precise starting and stopping without tailing; tight volumetric control
- Positive Displacement Pump – nL control and cluster placement
- Air Pressure Pump – nL control and high volume placement
- Micro Mixer Pump – Real time 3 part mixing

Installation Requirements

- Air Supply – 80 PSI to 120 PSI
- Power – 120V at 30A



Precise. Conformal. Reconfigurable.

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