



	3Dn-Tabletop	3Dn-300	3Dn-500
X/Y Accuracy	± 10 µm (± 5µm*)	± 5 µm	± 1.5 µm
X/Y Bidirectional Repeatability	± 1 µm	± 2 µm	± 0.5 µm
X/Y Maximum Acceleration	0.5g (no load)	2g (no load)	5g (no load)
X/Y Drive System	Ball Screw/Brushless Servomotor	Linear Brushless Servomotor	Linear Brushless Servomotor
X/Y Maximum Speed	300 mm/s	500 mm/s	500 mm/s
X/Y Travel Range	300 x 150 mm	300 x 300 mm	450 x 450 mm
X/Y Resolution	0.5 µm	10 nm - 1 µm	10 nm - 1 µm
Z Accuracy	± 6 µm (± 5µm*)	± 5 µm	± 3 µm
Z Bidirectional Repeatability	± 1 µm	± 0.7 µm	± 1 µm
Z Drive System	Ball Screw/Brushless Servomotor		
Z Maximum Speed	50 mm/s	100 mm/s	300 mm/s
Z Travel Range	100 mm	150 mm	150 mm
Z Resolution	0.5 µm		
User Interface	Machine Tool Software, PC and Monitor Included		
Base Plate	Cast Aluminum		
	Cast Aluminum Risers & Cross-Bridge		
	Category 3 Safety Enclosure		
WorkStation	STRONGARM Workstation Available Steel Stand with Casters Available	STRONGARM Workstation Included Steel Frame with Leveling Feet Included	STRONGARM Workstation Included Steel Frame with Leveling Feet Included
Dimensions	38 x 36 x 48" 97 x 92 x 122 cm	44 x 37 x 69" 112 x 94 x 176 cm	54 x 51 x 84" 112 x 94 x 176 cm
Weight	500 lbs 227 kg	3000 lbs 1361 kg	3000 lbs 1361 kg
Electrical Requirements	Single Phase, 120VAC, 10 A**	Single Phase, 120VAC, 20 A**	Single Phase, 120VAC, 20 A**
Compressed Air Requirements	80 to 120 psi, Dry Filtered Air or Nitrogen		
Vacuum Requirements	2 m ³ /h Minimum Flow Rate		
SMEMA Capable (Belt Feed)	No	Yes	Yes

Additional Options			
Platforms	Pumps	Vision	Miscellaneous
Custom Platform Size	SmartPump™ 100	Real-Time Process View	Overhead HEPA Filtration
Bio-Compatible Upgrade	Heated SmartPump™ 100	nVision	UV Spot Curing Source
Cleanroom Stages Upgrade	nFD Pump	nVision Pro	Pick and Place
Load Capacity Upgrade	Pneumatic Pressure Pump	Automatic Calibration Pit	Heated Bed
Up to Quad-Head Tool Plate	Heated Pneumatic Pressure Pump	nScan Surface Mapping	Vacuum Chuck
Heater Control System	nPD Heated Positive Displacement Pump	nScan Surface Mapping Pro	Rotary Stage
Factory Enhanced Stage Calibration*	Three-head Mixer Pump*	Post-Process Inspection	Laser Integration***

* Only available for the 3Dn-Tabletop Platform.

** Power requirements may be adjusted to meet specific customer needs.

*** Customization option subject to customer needs.

Varying system sizes may be available on request. All values listed are approximations. Pump, accessory, and configuration options may vary. Option availability is dependent on gantry size and specific customer needs - please contact info@nscript.com with any questions.