3Dn DDM Series

Motion Specifications	3Dn-DDM Tabletop	3Dn-DDM	3Dn-DDM-PF
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 Maximum Speed	300 mm/s	500 mm/s	1 m/s
X/Y Travel Range	300 x 150 mm	300 x 300 mm	500 x 500 mm
X/Y Resolution	0.5 µm	100 nm	10 nm
Z Accuracy	± 6 µm (± 5µm*)	± 5 µm	
Z Bidirectional Repeatability	± 1 µm	± 0.7 µm	
Z Maximum Speed	50 mm/s	100 mm/s	
Z Travel Range	100 mm	150 mm	
Z Resolution	0.5 µm		
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” 138 x 130 x 213 cm
Weight	400 lbs 185 kg	1750 lbs 795 kg	4500 lbs 2045 kg
Features	SmartPump™100, nFD™, nPnP, nMill™ Real-Time Process View, nVision AutoCal Pit, Auto Clean Pit, nScan	2—SmartPump™100, nFD™, nPnP, nMill™ Real-Time Process View, nVision AutoCal Pit, Auto Clean Pit, nScan	2—SmartPump™100, nFD™, nPnP, nMill™ Real-Time Process View, nVision AutoCal Pit, Auto Clean Pit, nScan

Options	Overhead HEPA Filtration, UV Spot Curing Source, Heated Bed, Vacuum Chuck, Rotary Stage, Post-Process Inspection, Laser Integration***

The 3Dn DDM Series is a set of tools that are capable of printing, milling, polishing, pick and place and with options the system can post process . This has vision and scanning for advanced printing, including conformal and analyzing on a single platform. DDM, also known as Direct Digital Manufacturing, can print structures using the widest range of thermoplastics, printed electronics with the widest range of conductive metals and dielectrics and pick and place for complete Printed Circuit Structure (PCS) devices printed on a single tool.