



NANO DIMENSION

Electrifying Additive Manufacturing®



DragonFly^{IV}

RESHAPING THE ELECTRONICS INDUSTRY WITH
ADDITIVELY MANUFACTURED ELECTRONICS

Design flexibility beyond the traditional boundaries
Breakthrough solution for traditional development challenges
One-stop shop for design and manufacturing



RESHAPE

Performance



RESHAPE

Development Cycles



RESHAPE

Form Factor

PRINTER CAPABILITIES

Build Volume	160mm x 160mm x 3mm
Inks	Optimized silver nano particles and dielectric inks
Supported File Formats	All major ECAD and MCAD Software, ODB++, Gerber & Excellon, STLs
Resolution	18µm (x), 18µm (y), 10µm (z)
Min. Line/Space	75µm traces/100µm spacing
Min. BGA Pitch	350µm
Min. Via	150µm
Min. Dielectric Layer Thickness	10.0µm
Min. Conductive Layer Thickness	1.18µm
Conductivity (Relative to Copper)	30 % +/-5 %
Dielectric Constant (Dk) @ 2GHz/15GHz	2.77/2.78
Tangential Loss (Df) @ 2GHz/15GHz	0.015/0.018

PRINTER SPECIFICATIONS

Dimensions	1,400mm x 800mm x 1,800mm
Weight	520kg, (1,150lbs)
Power Supply*	230VAC, 20A, 50–60Hz
Network Connectivity	Ethernet TCP/IP 10/100/1000
Operational Humidity	Above 35 % non-condensing
Operational Temperature	18°C (64°F) to 25°C (77°F)
Regulatory Compliance	UL, CE, FCC
Deposition Technology	Piezo drop-on-demand inkjet
Number of Printheads	2, one for each ink: conductive and dielectric
Software	FLIGHT Software Suite (Design, Verification, Pre-Production)

* Must use UPS (Uninterruptible Power Supply)

DragonFly^{IV}

www.nano-di.com
sales@nano-di.com
2022 © Nano Dimension Ltd.
All rights reserved.