

Nuvogo™ 600/600XL

The New Way of Imaging



Nuvogo™ 600 and Nuvogo™ 600XL are members of the Orbotech Nuvogo™ series of industry-leading Direct Imaging (DI) solutions. Utilizing a high power laser and unique MultiWave Laser Technology™, the Nuvogo™ 600/600XL provide maximum flexibility on a wide range of materials and applications. Incorporating Orbotech's field-proven Large Scan Optics (LSO) Technology™ it is a perfect match for Patterning and Solder Mask applications.



Specifications

	Nuvogo™ 600	Nuvogo™ 600XL
Throughput* [prints/h] @ 60 mJ/cm ²	200 Imaging Size 24"x18"	200 Imaging Size 25"x18"
Min. Feature Size*	30µm	
Imaging Energy Range	25 - 2,200	
Address Resolution	2µm	
Registration Accuracy FtG**	±12µm	
Side-to-Side Registration FtB**	24µm	
Max. Substrate Size	635mm x 660mm	660mm x 812mm
Max. Exposure Area	609.6mm x 660mm	635mm x 812mm
Substrate Thickness	0.025mm - 8mm	
Applications	<ul style="list-style-type: none"> ○ Inner layers and outer layers (including high energy resists) ○ Solder Mask ○ Flex and Rigid-Flex PCBs ○ HDI applications ○ MLB (Multi-Layer Boards) 	
System Options	<ul style="list-style-type: none"> ○ Hole-free inner layer registration ○ Alignment jigs for flex manufacturers ○ Stamping (serialization, scale factor, date / time) ○ Advanced stamping and serialization options ○ 2D barcode stamp ○ Wise Scaling ○ Partial Scaling ○ Group Scaling and stamping ○ Additional vacuum customization plate ○ Automation options: <ul style="list-style-type: none"> ● DLU - DI Loading Unit ● Flipper ● Loader & unloader 	

* Depends on photoresist properties

** All values are 3σ, full format

The above specifications are subject to change without notification