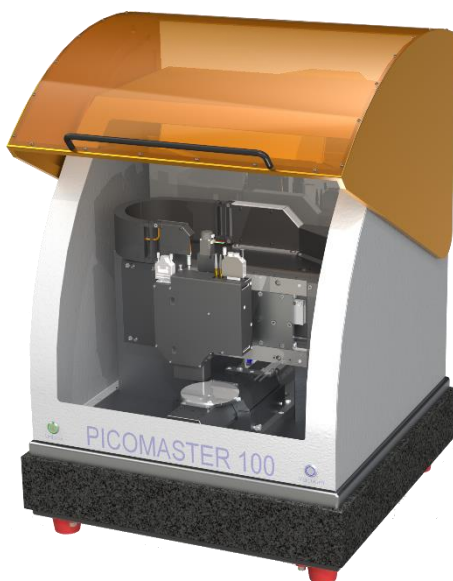


PICO MASTER COMPARISON

UV direct laser writers
for maskless lithography

PicoMaster 100



PicoMaster 200



	PicoMaster 100	PicoMaster 200
<i>Frame</i>		
Table top system	✓	
Self-containing system		✓
Vacuum pump integrated		✓
Max substrates size	4x4"	8x8"
Control PC integrated		✓
Touchscreen controller		✓
Can be extended (auto loader, coating line etc...)		✓
<i>Stage</i>		
Scan axis with air bearing	✓	✓
Step axis with air bearing		✓
Scan axis speed	200 mm/s	400 mm/s
Axes strokes	114 mm	230 mm
Encoder resolution	2.44 nm	1.95 nm
Wafer thickness	0-5mm	0-5mm
<i>Options</i>		
Automated Z Axis	✓	✓
Wafer thickness	0-10 mm	0-10 mm
<i>Optics</i>		
405nm laser source	✓	✓
Automated spot size selector with 3 spot sizes: 280nm, 490 nm and 880 nm	✓	✓
Standard 280 nm spot size	✓	✓
Max 3mW in the spot	✓	✓
4096 grey scale levels	✓	✓
10Mhz Data rate	✓	✓
Laser controlled auto focus	✓	✓
<i>Options</i>		
375nm laser source	✓	✓

<i>Topside Alignment (optional)</i>		
Monochrome 5.2MPixel camera	✓	✓
1µm per pixel	✓	✓
Cognex vision software with marker recognition	✓	✓
<0.5 µm alignment	✓	✓
<i>Software</i>		
Bitmap, tiff support	✓	✓
Control software included	✓	✓
<i>Options</i>		
GDS II Support	✓	✓
Holographic Libraries		✓