

No	ITEM	SPEC	RESULT
1	Total Focus Deviation	Max-Min $\leq 0.20\mu\text{m}$	0.410 $\mu\text{m}$
2	Lens Astigmatism	$ V-H  \leq 0.30\mu\text{m}$	0.357 $\mu\text{m}$
3	Lens Dynamic Distortion	X,Y = Within $\pm 50\text{nm}$	X = -32nm~37nm Y = -34nm~29nm
4	Wafer Flatness Accuracy	1) Flat Within $\geq$ Max-Min 3.0 $\mu\text{m}$ 2) L.F.S Within $\geq$ Max-Min 0.8 $\mu\text{m}$	1. 1.06 $\mu\text{m}$ 2. 0.56 $\mu\text{m}$
5	Exposure Power	Within $\geq 650\text{mW}/\text{cm}^2$	527mW/cm <sup>2</sup>
6	Illumination Uniformity	Within $\pm 1.5\%$	1.07%
7	Stage Precision Accuracy 1) Stepping Accuracy 2) Backlash Accuracy	1) $3\sigma \leq 50\text{nm}$ 2) $3\sigma \leq 50\text{nm}$	1) X: 28nm Y: 29nm 2) X: 46nm Y: 39nm
8	Wafer Pre-Alignment Repeatability	$3\sigma \leq 15\mu\text{m}$	X : 9.599 $\mu\text{m}$ Y : 13.972 $\mu\text{m}$ T : 4.802 $\mu\text{m}$
9	Integrator Accuracy	Target: Ave $\leq 1\%$	Ave Max = 0.01%
10	Alignment Accuracy 1) FIA-EGA 2) LSA-EGA	FIA-EGA = $ M  + 3\sigma \leq 75\text{nm}$ LSA-EGA = $ M  + 3\sigma \leq 75\text{nm}$	1) X = $\pm 40\text{nm}$ Y = $\pm 23\text{nm}$ 2) X = $\pm 30\text{nm}$ Y = $\pm 20\text{nm}$