

Refurbish Report Sheet

Classification		Item			Result	Spec	Judge	
1	Lens	1	Distortion (NA0.63/σ0.65)	DX	0.028	≤±0.05μm	ok	
				DY	0.046			
2	Illuminator Adjustment Accuracy	1	Intensity		NA0.63/σ0.65	6789	≥6000w/m²	ok
		2	Uniformity		NA0.63/σ0.65	1.420	≤2.0%	
		3	LPA			0.852	L = 0.845±0.015	
3	Focus Adjustment Accuracy	1	Focus Leveling Measurement Repeatability	Focus		0.033	3 σ 0.08μm	ok
				Leveling	X	3.0	3 σ 6 ppm	
					Y	1.6		
				Etch Ch.	Ch1	0.042	≤ 3 σ 0.10μm	
					Ch2	0.052		
					Ch3	0.043		
					Ch4	0.032		
					Ch5	0.047		
		3	ALFC Repeatability	Left (n=25)		0.048	3 σ 0.10μm	
4	FRA Accuracy	1	ROC Repeatability	XL		0.003	≤ 3 σ 0.010μm	ok
				YL		0.001		
				XR		0.004		
				YR		0.001		
		2	Reticle Rotation	Accuracy		-0.01	0.02um	
5	Stage Offsetting	1	Orthogonality			0.05	±0.5ppm	ok
		2	Scaling	X		-0.09	±0.5ppm	
				Y		-0.07		
6	SRC	1	SRC Repeatability	n=25		0.221	3 σ 0.5ppm	ok
7	BLC Repeatability	1	Base Line Repeatability(Mo	X	3-sigma	0.009	3 σ 0.030μm	ok
				Y		0.007		
				X	Range	0.014	Range 0.030μm	
				Y		0.008		
			Base Line Repeatability(Mo	X	3-sigma	0.006	3 σ 0.030μm	
				Y		0.009		
				X	Range	0.009	Range 0.030μm	
				Y		0.012		
			Base Line Repeatability(Mo	X	3-sigma	0.006	3 σ 0.030μm	
				Y		0.006		
				X	Range	0.007	Range 0.030μm	
				Y		0.007		
			Base Line Repeatability(Mo	X	3-sigma	0.008	3 σ 0.030μm	
				Y		0.006		
				X	Range	0.011	Range 0.030μm	
				Y		0.008		