

Spectral Ellipsometry Systems ST-ER For Process Monitoring Thickness

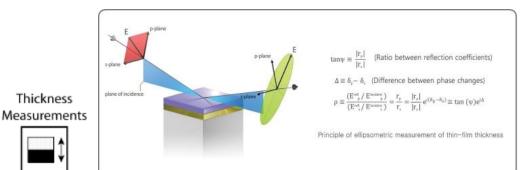


Applications:

Thickness measurement of ultra-thin film and refractive index after deposition of film and etching: LCD, OLED, TSP, PDP, LED, SEMI, SolarCell

ST-ER Specifications

	Visible	370nm~1000nm, 390 wavelengths
Spectral Range	UV	245nm~1000nm, 470 wavelengths
	DUV	193nm~1000nm, 500 wavelengths
Spectral Resolution Bandwidth		1.5mm x 0.5mm 300μm x 150μm 60μm x 30μm
Measurement Range		10Å ~ 10µm, Max, 10 layers of multi-stack film structure
Refractive Index Measurement		Repeatability : < 0.005 (1σ)
Thickness Measurement		Repeatability : <1Å (1σ)





Existing Functions	Extended (Possible Functions)
n, k / Thickness Roughness /Interfacial	N2 Chamber combined 3D Interferometer combined
Mixing / Crystallinity	Vision Inspection combined
Anisotropy / Uniformity	
Energy Band Gap etc.	

Benefits: High Speed Measurement High Stability Unique Technologies Providing The Most Sensitive, Accurate Measurement Compact Design for User Convenience