

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

Spectral Range	Visible	370nm~1000nm, 390 wavelengths
	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 Mixing / Crystallinity	N2 Chamber combined 3D Interferometer combined 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

