

表面輪廓儀

EZSTEP



- 量測性能優異
- 體積超小不占空間
- 人性化介面 使用超簡單
- 不可思議的性價比

自有技術 來自台灣

Specifications 規格

PERFORMANCE	
Linear Scans	Yes
Scan Length Range	1000µm (typical, 900µm minimum)
Data Points Per Scan	Up to 5000 points
Vertical Range	15µm (typical, 13.5µm minimum); 30µm (optional)
Vertical Resolution	3Å (least significant bit)
Step Height Repeatability (1σ)	5Å±0.1% step height
Scan Speed	1µm/sec to 100µm/sec
SYSTEM	
Targeting Microscopic Camera	Fixed magnification, 8mm FOV [100X with 15 in. Monitor] (400 X optional)
Stylus Radius	5µm ; 2µm (optional)
Stylus Material	Diamond coated
Stylus Force	0.1 - 50mg
Sample Stage Dimension	75 mm x 75mm
XY manual linear stage travel distance	20mm x 20mm
Sample Thickness	≤ 10mm
Sample Weight	≤ 50g
Computer System Requirement	CPU: 1GHz; RAM: 4GB; USB 2.0
Software	EZSTEP software running under Windows XP or later; Profile measurement software; Report generator software;
Vibration Detection and Isolation	Embedded environment vibration detector
SOFTWARE	
Step Analysis	Point-to-point, Avg. step height
Auto-Leveling	Yes
High Order Flatten	Yes
Roughness and Waviness Analysis	Ra, Rq, Rp, Rz, Ry, Rmax, Wa, Wq, Wp, Wz, Wy, Wmax
Filter	Moving average, Low pass, High pass
Raw Data Export	Yes (formatted text file, XPS, Excel and Matlab compatible)
FACILITY REQUIREMENTS	
Power	100 - 240 VAC, 50/60Hz, 1.2A , 60W
Temperature Range	25±2 °C
Humidity Range	≤ 70%, non-condensing
Dimension	34cm×25cm×28cm
Weight	20kg

Application 應用範圍

- LCD面板透明導電層(TCO)厚度測量
- LED mesa檢驗
- 各式薄膜製程厚度量測
- 薄膜太陽能電池多晶矽鍍層粗糙度檢測

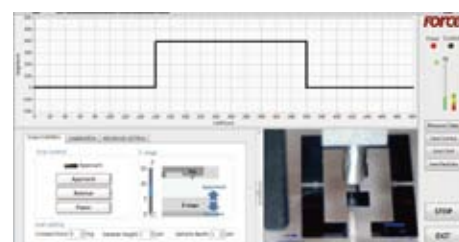
Options 選配件

- 防震桌
- 高度校正片

Components 系統包含

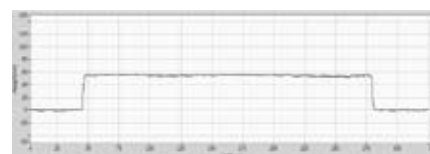
- 量測機台
- 控制電腦
- 高度測試片

Software 軟體介面



Results 掃圖成果

- 50nm 鍍膜樣品



- 10µm 厚樣品

