

Force

原力精密儀器

量測性能優異

- 解析度高
- 重複性佳
- 製程控制最佳利器

體積超小不占空間

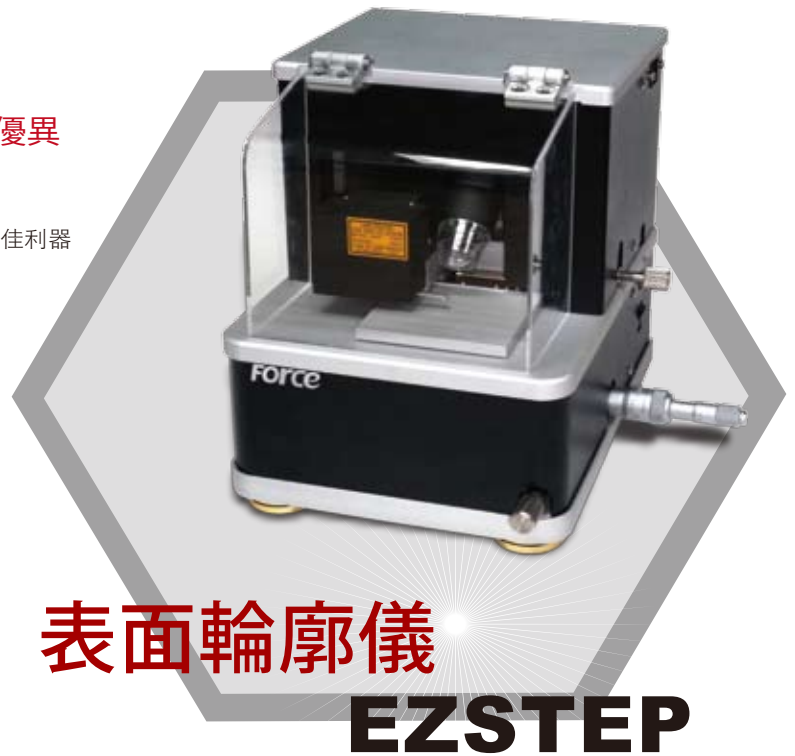
- Dimension: 22x28x29cm
- 透過USB與電腦連結

不可思議的性價比

- 打破alpha step的高價迷思
- 首推優質平價之表面輪廓儀

人性化介面 使用超簡單

- 具備帳號登入功能, 易於管理
- 區分進階與一般量測功能
- 可自動砍平面



表面輪廓儀

EZSTEP

PERFORMANCE

Linear Scans	Yes
Scan Length Range	500µm typical, 450 µm minimum
Data Points Per Scan	Up to 5000 points
Vertical Range	15µm typical, 13.5 µm minimum
Vertical Resolution	2Å (least significant bit)
Step Height Repeatability	5Å (1σ on 0.1µm step) or 0.1%, whichever is larger
Scan Speed	1 - 100µm/sec

SYSTEM

Targeting Microscopic Camera	Fixed magnification, 8mm FOV [100X with 15in. Monitor]; 2mm FOV [400X with 15in. Monitor] (optional)
Stylus Radius	5µm; 2µm (optional)
Stylus Material	Diamond coated
Stylus Force	0.1 - 50mg
Sample Stage Dimension	70mm x 70mm
Sample Stage Translation	Manual X/Y, 12mm x 12mm
Sample Thickness	≅ 10mm
Sample Weight	≅ 50g
Computer System Requirement	CPU: 1GHz; RAM: 2GB; USB 2.0
Software	Scan control software on Windows XP or later Profile measurement software; Report generator software;
Vibration Detection and Isolation	Embedded environment vibration detector; Vibration isolation table (optional)

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)
Scan Report Generator	Yes
3D Imaging	No

FACILITY REQUIREMENTS

Power	100 - 240 VAC, 50/60Hz, 100W
Dimensions	220mm W x 280mm D x 290mm H
Weight	10kg
Temperature Range	25±2 °C
Humidity Range	≅ 70%, non-condensing

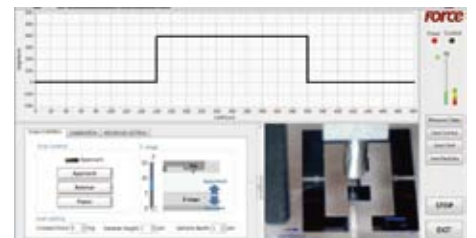
應用範圍 APPLICATIONS

- LCD面板透明導電層(TCO)厚度測量
- LED磊晶層成長厚度檢驗
- 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

系統包含 COMPONENTS 選擇配備 OPTIONAL

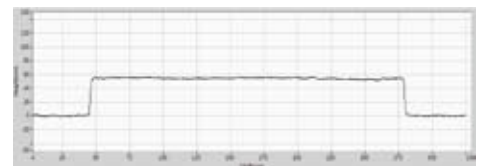
- 量測機台
- 控制電腦
- 高度測試片
- 防震桌、校正片
- Scan Length Range: 2000 µm
- Vertical Range: 30 µm

掃圖介面



掃圖成果

- 50nm 鍍膜樣品



- 10µm 厚樣品

