

表面輪廓儀

STEP-4



- 量測性能優異
- 體積小不占空間
- 人性化介面 使用超簡單

自有技術 來自台灣

應用範圍 APPLICATIONS

- LCD面板透明導電層(TCO)厚度測量
- LED mesa結構檢驗
- 各式薄膜製程厚度量測

系統包含 COMPONENTS

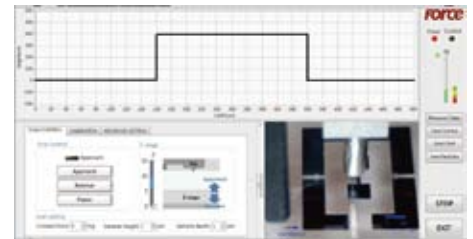
- 量測機台
- 控制用電腦
- 高度測試片

選擇配備 OPTIONAL

- 防震桌
- Scan Length Range:10mm
- Vertical Range:30 μ m/80 μ m

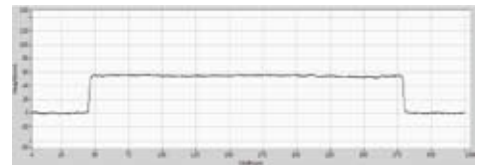
PERFORMANCE	
Linear Scans	Yes
Scan Length Range	10mm
Data Points Per Scan	Up to 5000 points
Vertical Range	30 μ m (typically, 27 μ m minimum)
Vertical Resolution	5A° (least significant bit)
Step Height Repeatability (1 σ)	3nm+0.1% step height
Scan Speed	10 - 100 μ m/sec
SYSTEM	
Targeting Microscopic Camera	Fixed magnification, 4mm FOV [100X with 15in. Monitor]; 200X (Optional)
Stylus Radius	5 μ m /2 μ m (Optional)
Stylus Material	Diamond coated
Stylus Force	0.1 - 50mg
Sample Stage Dimension	4"
Sample Stage Translation	Manual X/Y/ θ , 70mmX70mmX360°; Auto XY stage (optional)
Sample Thickness	\leq 10mm
Sample Weight	\leq 200g
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
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, 100W
Temperature Range	25 \pm 2 °C
Humidity Range	\leq 70%, non-condensing

軟體介面 SOFTWARE

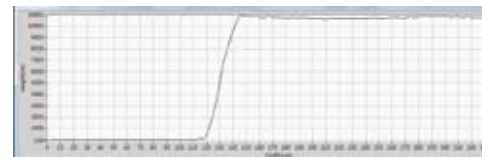


掃圖成果 RESULTS

- 50nm 鍍膜樣品



- 10 μ m 厚樣品



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