

刮傷、污點、異物殘留等 是半導體、光電業、精密加工業造成產品不良，良率下降的最大原因。如何能夠在最短時間內，利用簡單、有效的方式找出物件表面的瑕疵，進而維持商品的品質。

Scratches, spots, and residual are the major cause of the unsatisfactory quality and declining yield in semiconductor, optoelectronics, and advanced processing industries. To keep the same quality and to use simple and effective methods to detect the defects on the surface of objects in a short time have become an increasingly important task.

冷光檢查
不會產生高熱



KL-100R

表面異物檢查燈

Surface Inspection Lamp

利用光波的原理，讓各種物件表面的刮傷、污點等-無法隱藏。
Based on the technology of light wave, the KL-100R reveals surface scratches, and spots in a confined area.



KL-100R

K 可成應材科技有限公司
KANAUE APPLIED MATERIALS CORP.

新竹
Hsinchu 30064 新竹市高峰路2巷86-11號1F
1F, No. 86-11, Lane 2, Gaofeng Rd., Hsinchu City 30064, Taiwan R.O.C.
Tel:+886-3-561-1526 | Fax:+886-3-561-0613

台南
Tainan 71745 台南縣仁德鄉田厝一街73巷22號
No.22, Lane73, Tiancuo 1st ST., Rende Township, Tainan County 71745, Taiwan R.O.C.
Tel:+886-6-366-3688 | Fax:+886-6-366-0225

特點

- 利用一般眼睛對光的感知原理。
- 藉由眼睛對黃綠光的敏感來檢測細小刮痕、灰塵。
- 主機、光線部分為分離，可任意調整照射角度。
- 光線強度，可依需求任意調整。

特性及效益

- 冷光源檢查，不發熱、不傷害被檢查物件。
- 採用黃綠色光，對需長久檢查工作者的眼睛較溫和，且無害。
- 透過黃綠色光，物體的清晰度最明顯。同時，更可精確判定10um以下的刮傷及微粒子。
- 操作簡單、容易使用。
- 照射面積廣、效果佳。
- 具備燈泡冷卻指示燈，確保風扇正常運轉。燈光電源關閉後，風扇能強制運轉，能大幅延長燈泡壽命。

Features

- Based on the theory of the sensitivity of the light to the naked eyes.
- Detect small scratch, and dust by the sensitivity of the yellow and green light to the naked eyes.
- Main part and light are detachable, Light angle can be adjusted.
- Light intensity can be adjusted freely.

Characteristics and Benefits

- Detect by cold light source. No heat and damage to the original objects.
- No harm to the naked eyes for long time inspections since the KL-100R uses yellow and green lights.
- Obtain best clarity through the yellow and green light and detect precise scratches and particle under 10um.
- Easy to operate and easy to use.
- Large detection area with optimal result.
- Ensure fan work properly with the lamp chilling indicator light. Extend lamp life substantially when the indication light turns off and the fan can be forced to work properly.



熱阻絕光學鏡片



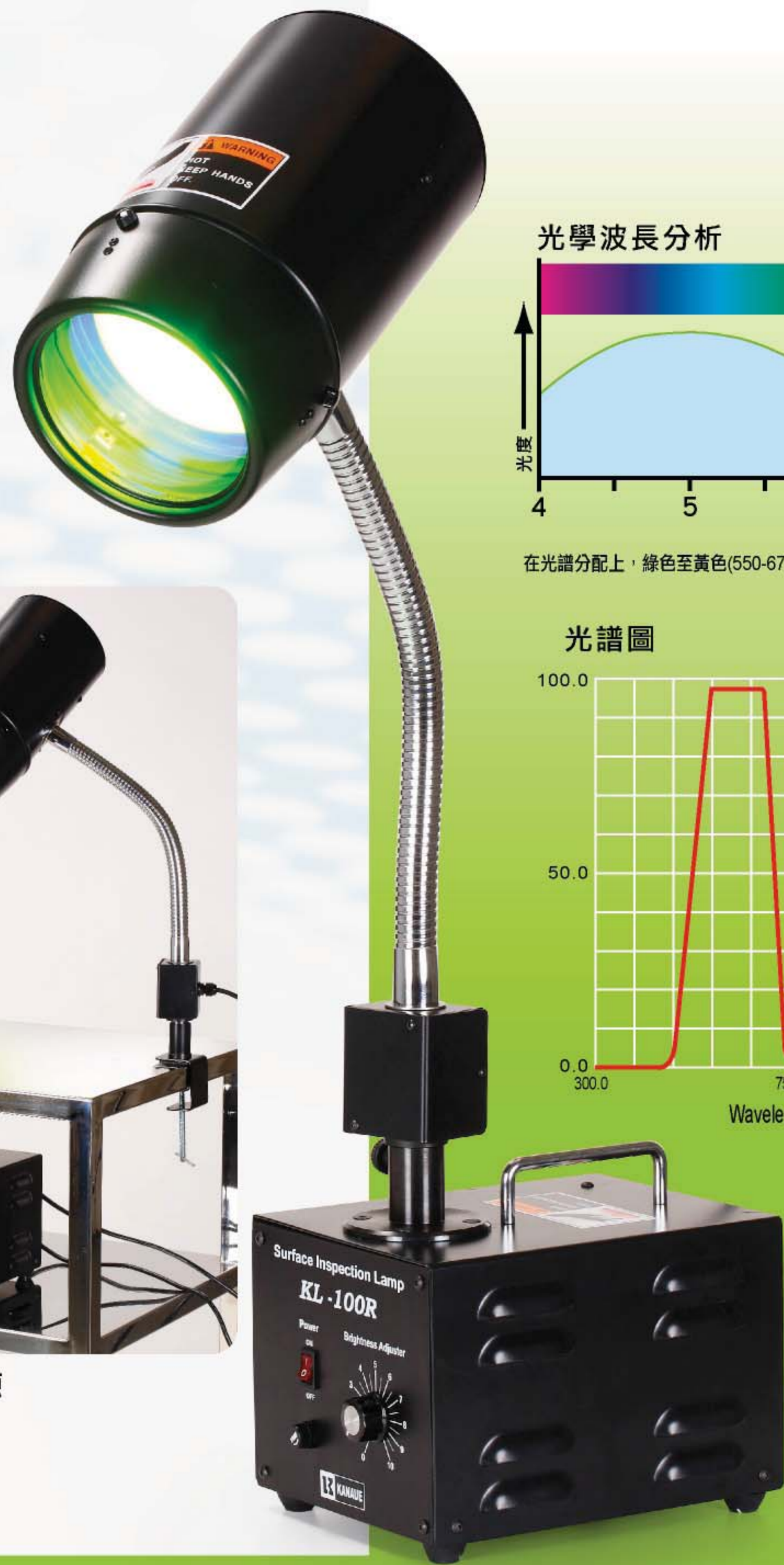
指示燈



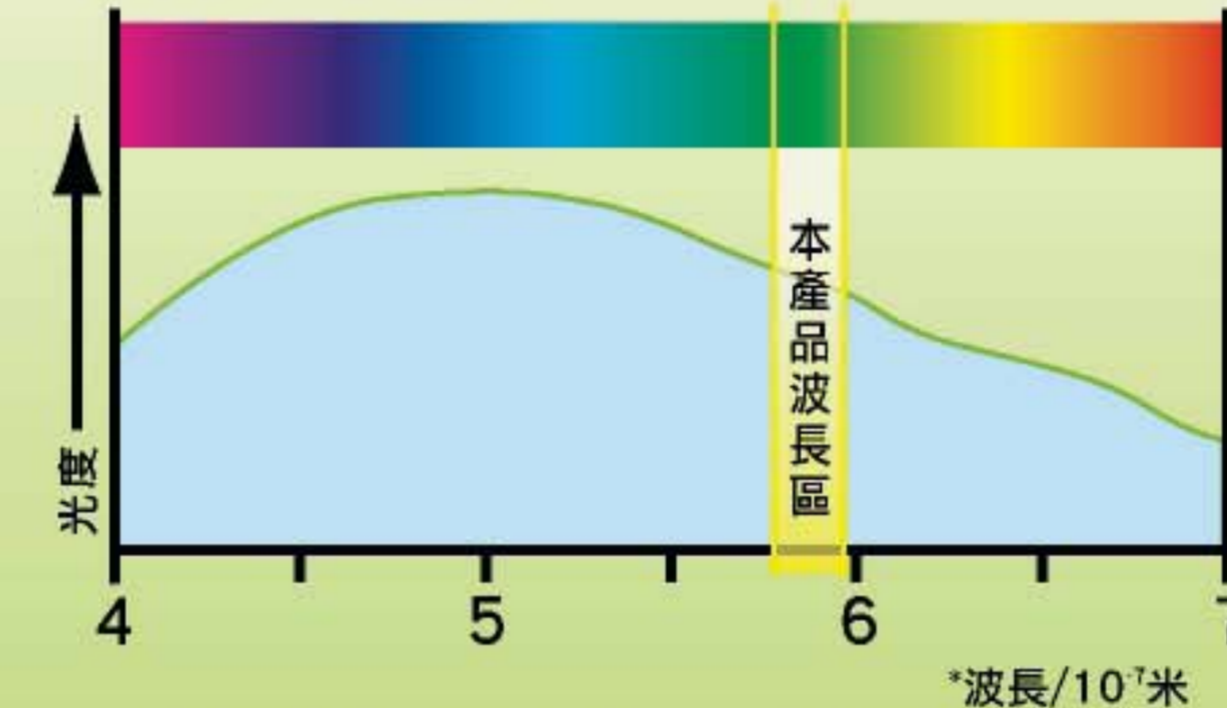
冷卻風扇



可分離式光源

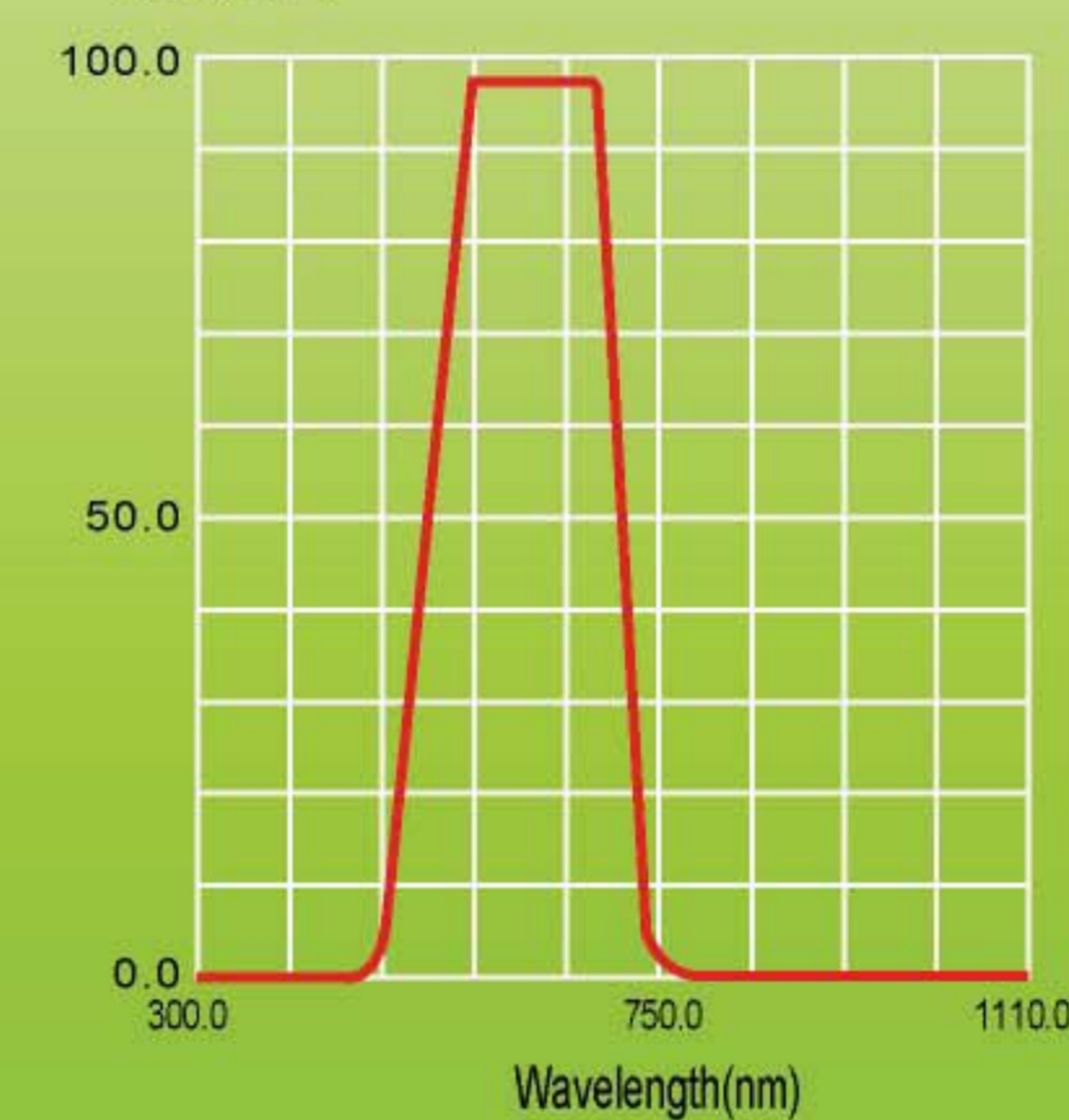


光學波長分析



在光譜分配上，綠色至黃色(550-670nm)在自然光下的能見度最好。

光譜圖



表面異物檢查燈

Surface Inspection Lamp

KL-100R

規格說明

電源	: 100V~240V
點燈方式	: 電子式
光源	: HID燈泡
調光	: 35~100W
光源投射	: 熱阻絕 (採特殊光學鏡頭)
照度	: 38000Lux(45cm)
風扇	: ON/OFF 保護系統 (可增加燈泡壽命)
燈泡壽命	: 10000小時
檢查面積	: 240° ∅ 165mm (檢查面積大)
重量	: 10KG

Specifications

Power Requirement	: 100V~240V
Lighting Method	: Electronic
Light Source	: HID Lamp
Power Consumption	: 35~100W
Light Emission	: Heat-Resistant (using special optical lens)
Illumination	: 38000Lux(45cm)
Fan	: On/Off security system (increase lamp life)
Lamp Life	: 10,000 hours
Light Dimension	: 240° ∅ 165mm (large detection area)
Weight	: 10 KGS

檢查應用

1. 太陽能基板
2. LED基板
3. 面板
4. 光碟片
5. 貼合玻璃、壓克力
6. 光學鏡頭表面
7. 各種金屬表面
8. 矽晶圓拋光面
9. 擴散板、偏光板、聚光板表面檢查
10. 印刷電路板 PCB
11. 模具平面、球面檢查

Applications

1. Solar Substrate
2. LED Board
3. LCD、CF Board
4. CD-ROM
5. Glass, Acry
6. Surface of Optical Lens
7. Surface of all kinds of metals
8. Polished side of silicon wafer
9. Surface detection of diffuser plate, polarizing plate, spotlight plate
10. Printed Circuit Board (PCB)
11. Surface of mold, or ball

