

LED生產流程介紹

2006/8/7

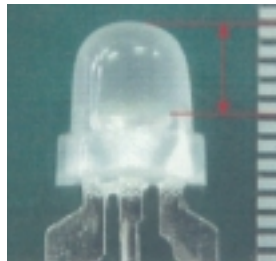
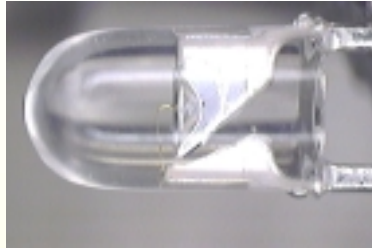
稀土金屬 編寫

1

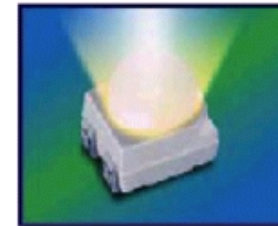
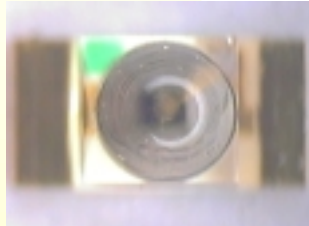
LED種類

LED: Low Emitting Diode(發光二極管)

1、Lamp LED：直插件LED



2、SMD LED：貼片式LED

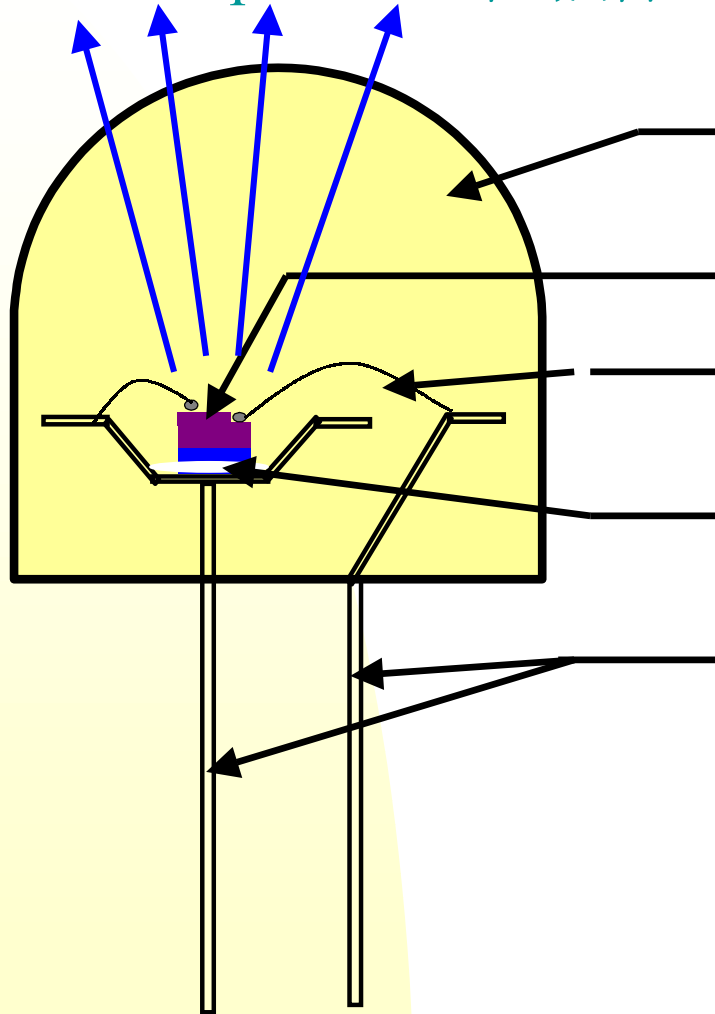
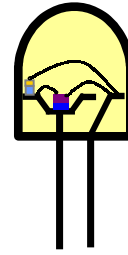


3、Display LED：數字顯示LED



LED構造

1、Lamp LED：直插件LED



環氧樹脂膠 Resin

晶片 Chip

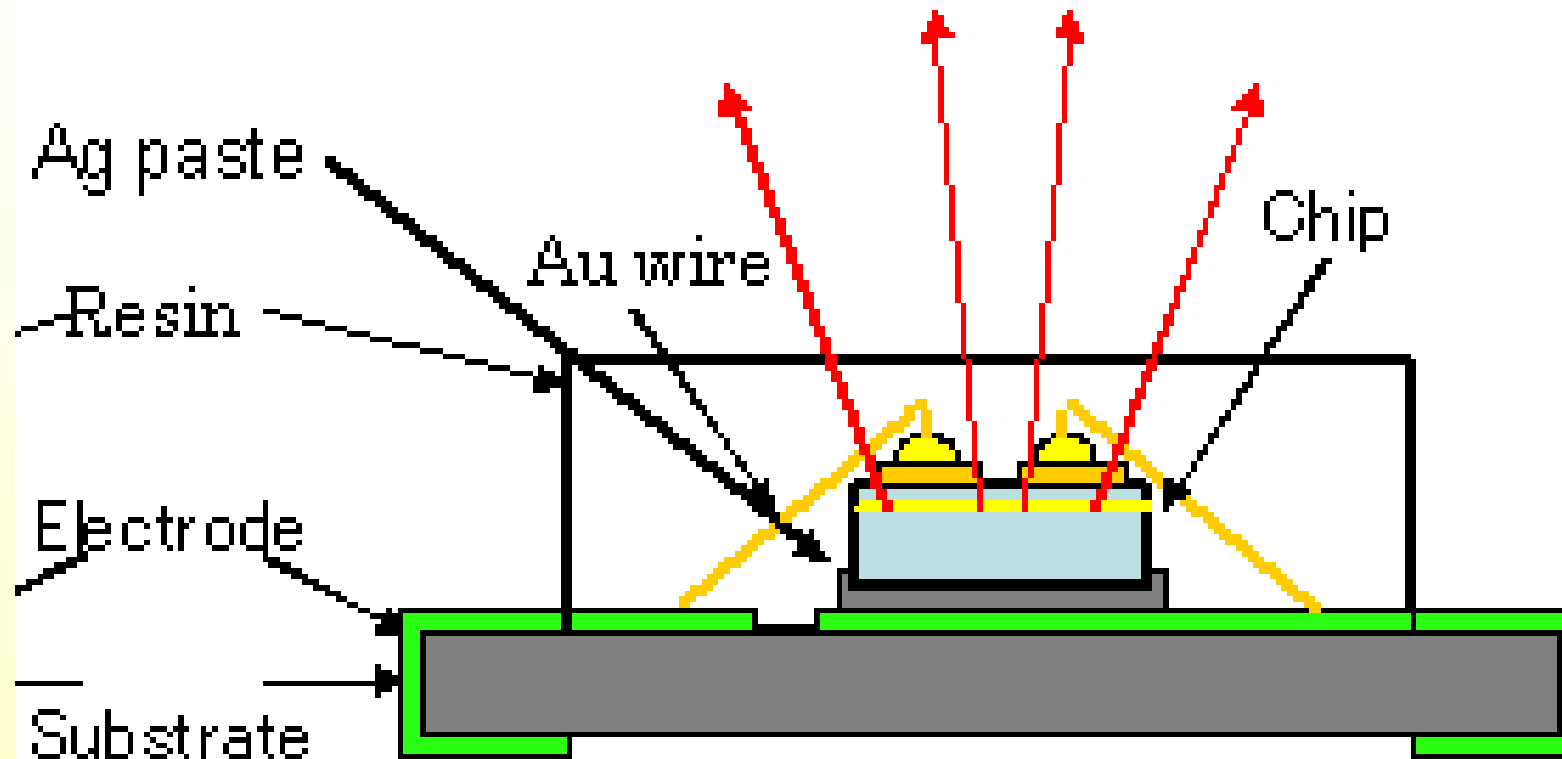
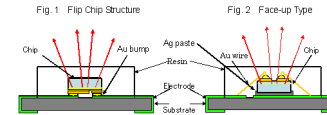
金線 Au wire

銀膠/絕緣膠 (Ag / insulation Paste)

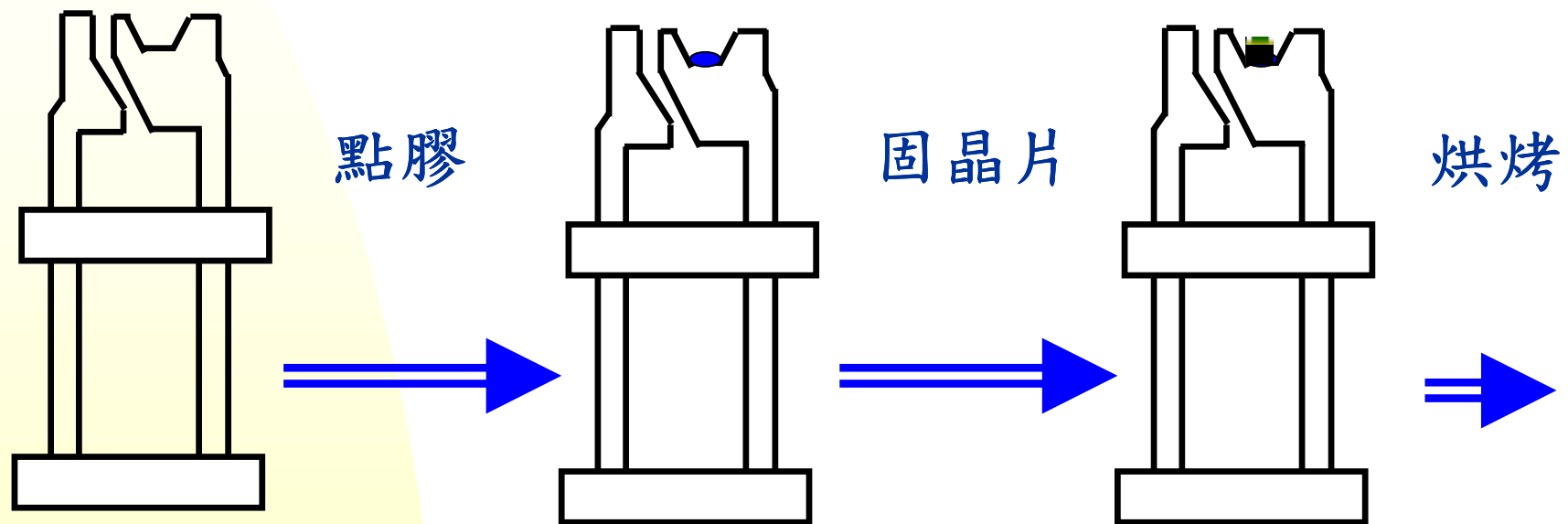
金屬導線 (PIN 腳)

LED構造

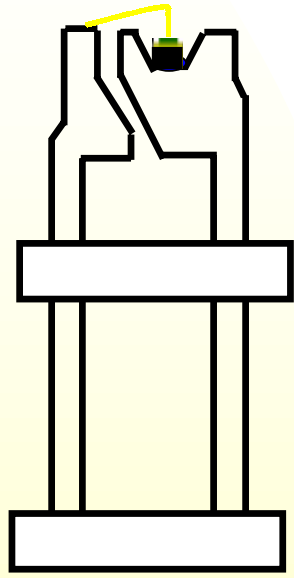
2、SMD LED: 貼片式LED



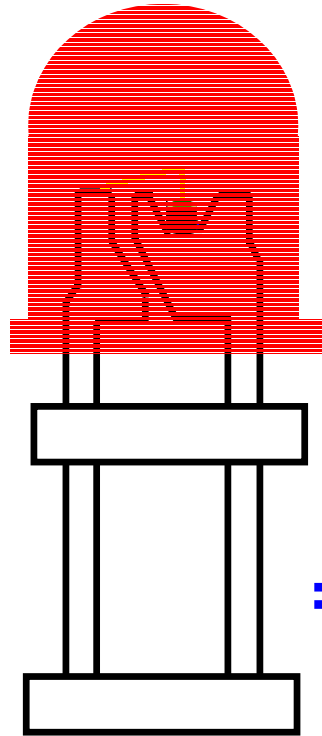
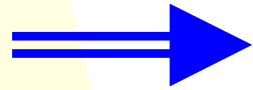
一、Lamp LED生產流程介紹



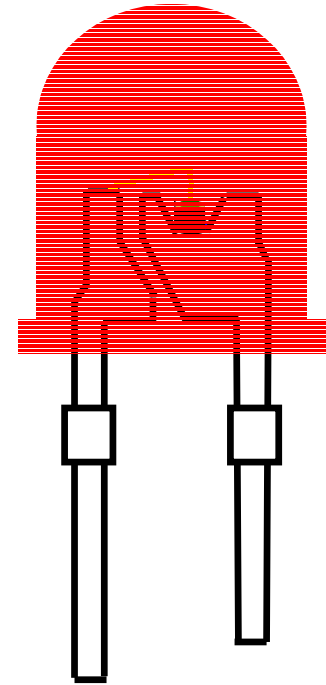
一、Lamp LED生產流程介紹



焊線



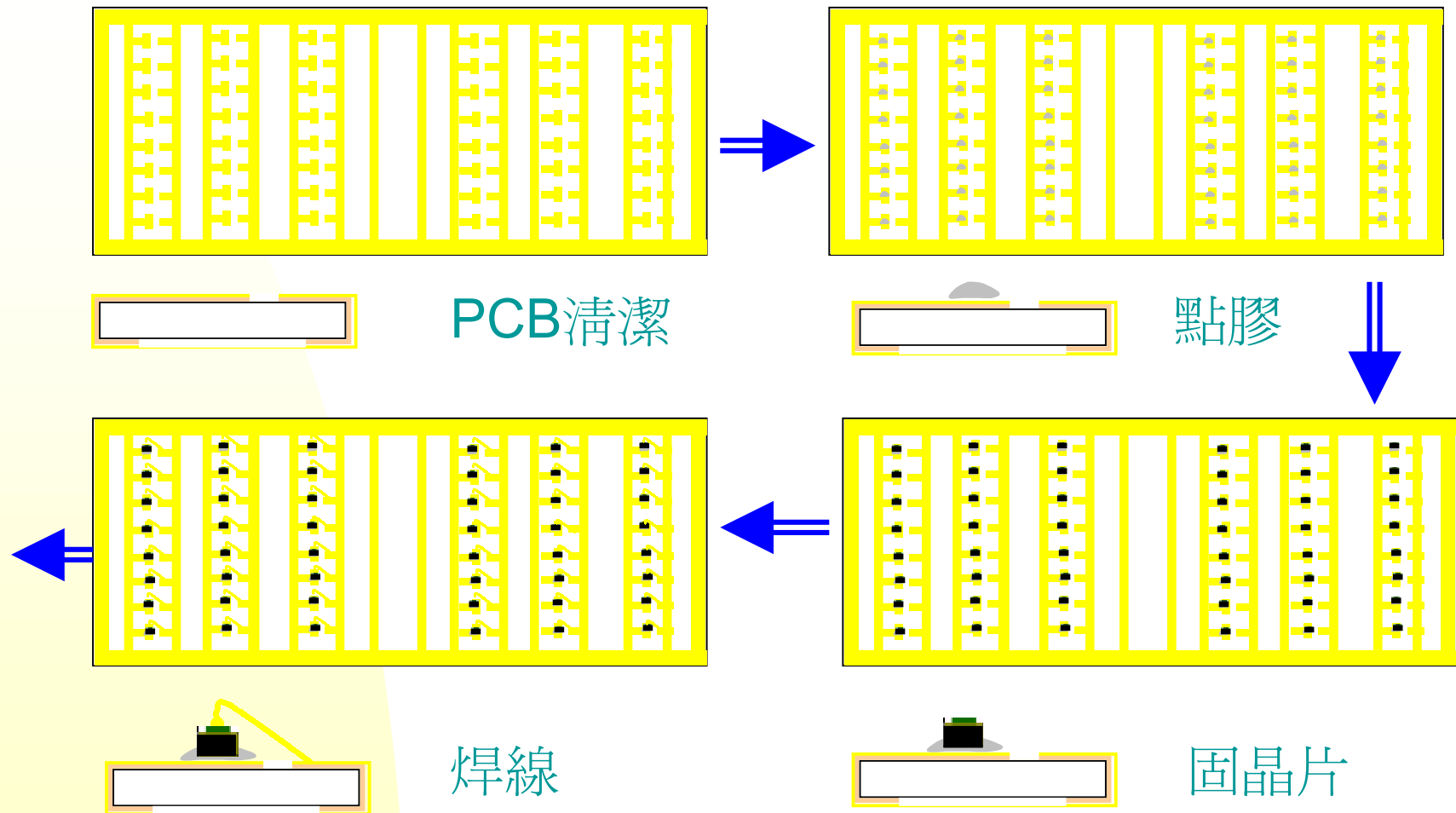
封裝



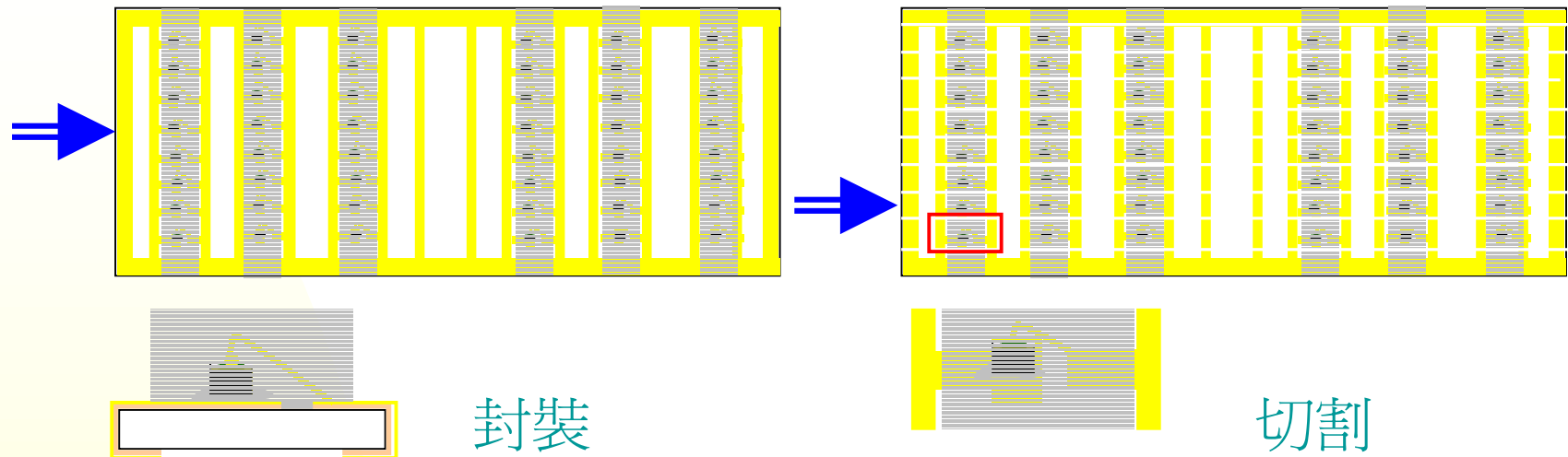
切腳

生產完成后，100%外觀檢查、分光等級（亮度、波長、vf、IR）

二、SMD LED生產流程介紹

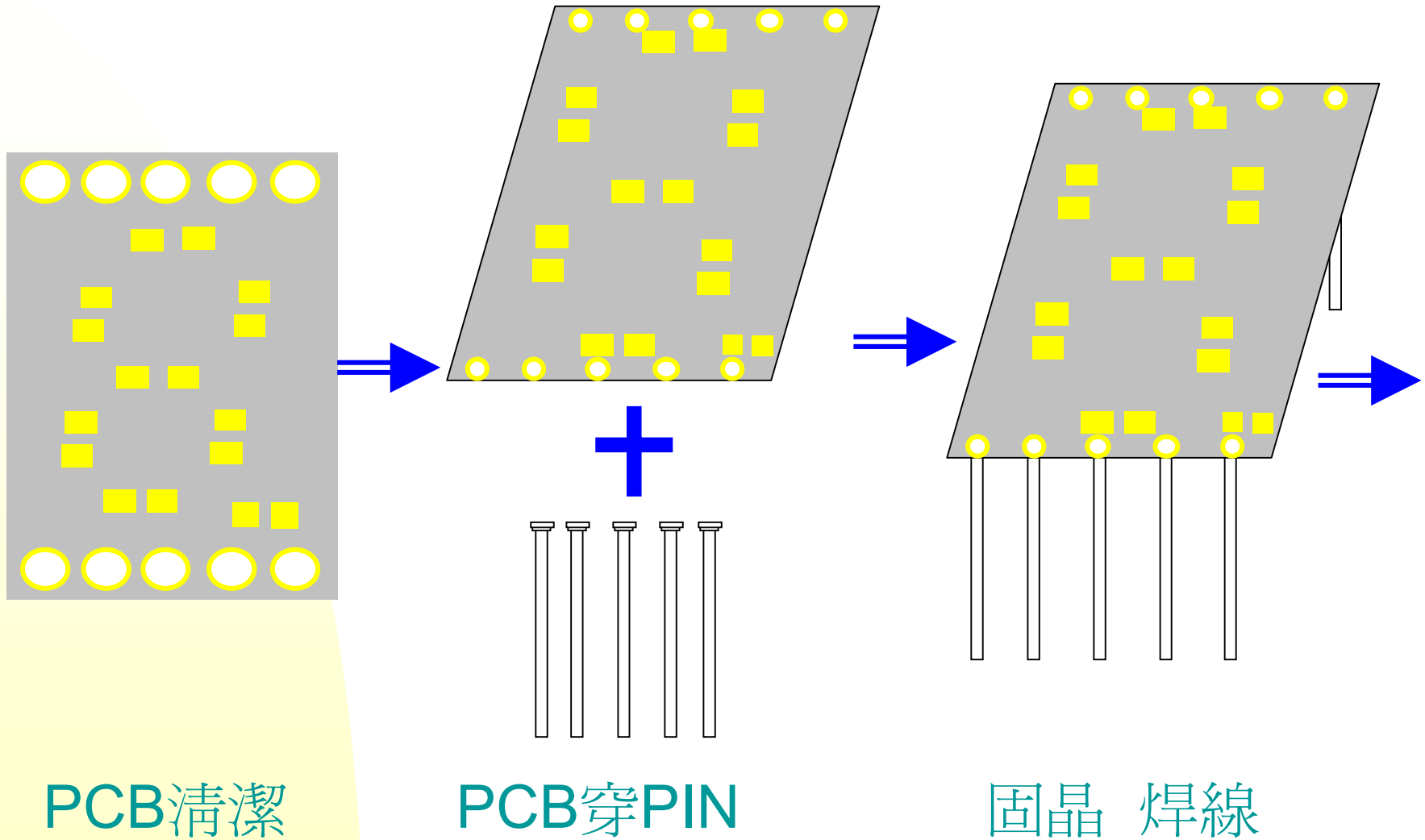


二、SMD LED生產流程介紹

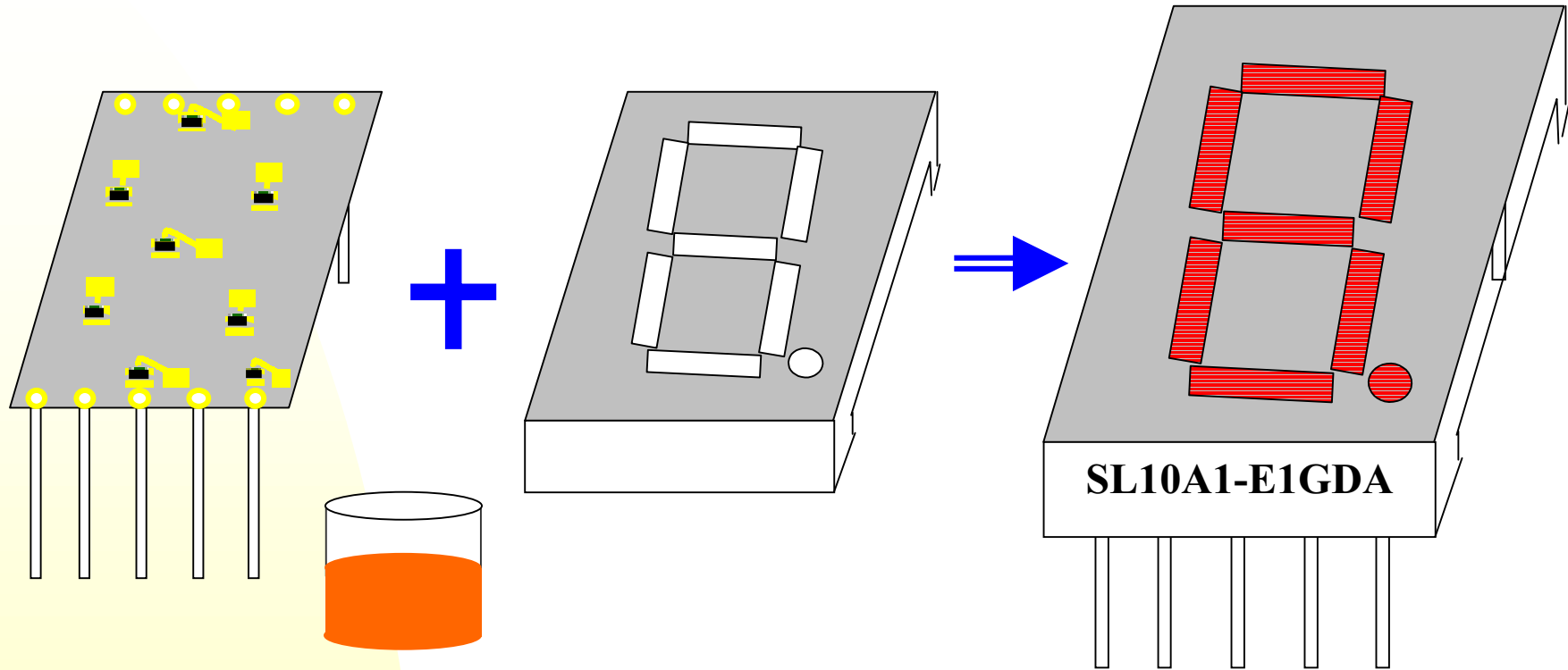
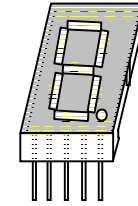


生產完成后，100%外觀檢查、分光等級（亮度、波長、vf、IR）

三、Display LED生產流程介紹



三、Display LED生產流程介紹



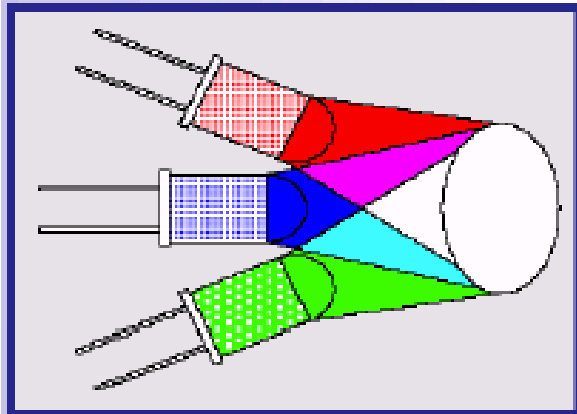
封裝

蓋印

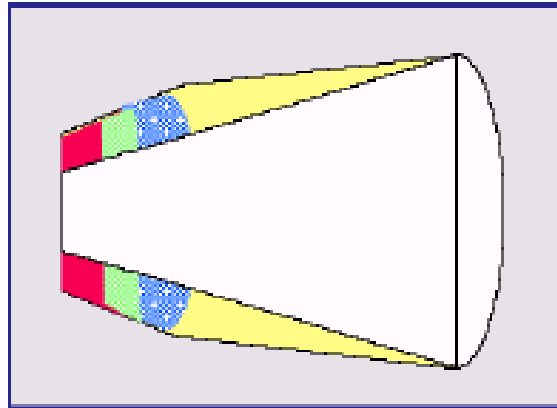
生產完成后，100%外觀檢查、分光等級（亮度、波長、vf、IR）

四、LED白光生產方法

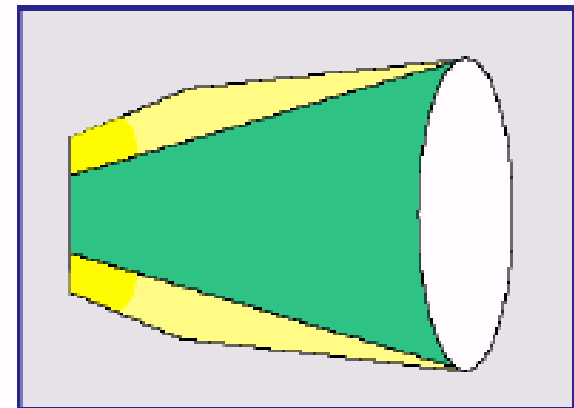
RGB LEDs



UV LED + RGB
螢光劑



藍光 + 黃色螢光粉
雙色互補



THE END !

THANKS