



## Defect Detection Equipment

KPG customizes and develops various defect detection equipment tailored to customer needs. Using intelligent machine vision detection, it identifies defects in samples of different materials, shapes, and colors. This includes detecting scratches, notches, fractures, pressure marks, color variations, black spots, burrs, size discrepancies, and screening for defective products.

### Technical Parameters

Detection speed (UPH)	5000~100000
Visual accuracy	2.2 $\mu\text{m}/\text{pixel}$
Light source	customized
Repetitive positioning accuracy	$\pm 0.02\text{mm}$
Detection method	super-resolution optics+precise and efficient recognition AI algorithm
Operation control mode	PLC+servo/stepper
Rated voltage	AC: 220V
Air pressure	0.5~0.6 Mpa
Working environment	dust-free workshop, equipped with Class 100 FFU equipment

### KPG LASER PTE. LTD.

Web : [www.kpglaser.com](http://www.kpglaser.com)

Email : [info@kpglaser.com](mailto:info@kpglaser.com)

Add. : 12 Woodlands square, #13-62woods square, Singapore(737715)



# KPG LASER

KPG is committed to the R&D, production and sales of deep UV lasers and industrial defect inspection equipment, providing excellent industrial solutions to customers around the world. Our products include laser generators, defect detection equipment, etc., which are widely used in optoelectronics, machinery, automobile manufacturing, new energy and other fields.

## Product



### 266nm/193nm Laser

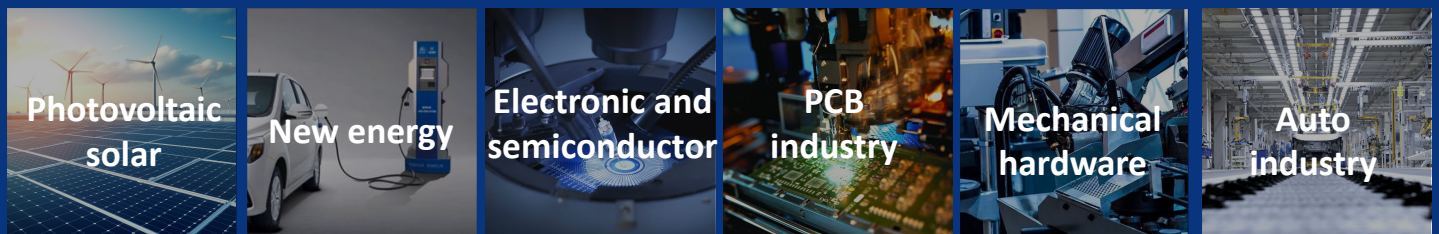
Applied in wafer, semiconductor, lidar, science, medical, microelectronics processing and other fields



### Industrial Defect Detection

Applied to size inspection, appearance defect inspection, outer diameter inspection, etc.

## Application



## KPG LASER PTE. LTD.

Web : [www.kpglaser.com](http://www.kpglaser.com)

Email : [info@kpglaser.com](mailto:info@kpglaser.com)

Add. : 12 Woodlands square, #13-62woods square, Singapore(737715)

