

# CORTEX IMAGING

## INFINITE VISION

### ABOUT

CORTEX IMAGING SDN.BHD. is a private limited MSC status company based out of Penang, Malaysia which was established in 2008 focused on research, development and implementation of **machine vision and embedded solutions** for various industry verticals. It is focused in providing products and solutions which are innovative and state of the art without any compromise in quality.

As business is built upon strong relationships, our committed to providing high level of service and support commitment to its employees, customers as well as its business partners. Our customers come from various verticals including Semiconductors, OptoElectronics, Medical as well various other industrial areas.

### P500, our new launching machine.



-P500 is our latest product which protect your investment with our flexible inspection platform & long lifespan solution.

-P500 is a 3in1 system machine which provide AOI solutions especially for **Smartphone** and **Automotive**

-It has **Multi Mode Convenience Usabilities** which are:

- standalone smart-scope, Semi-Automatic load/unload inspection & Fully automatic with inline integration.

-For semicon, this product is useful to measure the die placement on lead frame, epoxy dispensing, cosmetic inspection of die, wire bond height. Anything you can think/imagine of.

- It also capable to measure LED/IC smt mounting, checking absence/presence, position & height of the product from the PCB surface.

-Inspected products such as smartphone glass panel, with/without prints, car glass fascia touch screen, LED & phone lens in tray, cover glass and etc.

-3 in 1 Inspection Solution which are:

-Surface Cosmetic Inspection, Silkscreen Printing Inspection & 3D measurement + Flatness & Thickness.

Call us today to discuss about your inspection requirement and discover your solutions with us. Your process improvement is our success story.

Address:

Arena Curve, 72-2-5, Jalan Mahsuri, 11950 Bayan Lepas, Pulau Pinang

Tel:

[04-611 0110](tel:04-611 0110)

Email:

[info@corteximaging.com](mailto:info@corteximaging.com)

Scan it to view our website



# PROBE500 AOI

(Preliminary Specification)

## AUTOMATED VISION INSPECTION

### AOI for Glass Substrate

Are you a glass substrate manufacturers for high volume/high value components/products, looking to automate your processes?

An AOI solutions might be what you need for your Manufacturing & Automation Issues. Our company specialises in design & development of Automated Vision Inspection Solutions, especially for Smartphone and Automotive.

### Multi Mode Usage

1. Standalone smart-scope:
  - ... Measure, collect data and qualify your production samples.
  - ... Equipment is fully calibrated & accuracy up to  $\pm 2.5\mu\text{m}$  in all 3 axis.
2. Semi-Automatic:
  - ... Setup predefined inspection steps
  - ... Product can be inspected on a tray or user made jig/fixtures.
  - ... Load the part to the jig/fixtures & start the auto inspection.
  - ... Observe the result from the monitor.
3. Fully automatic with inline integration:
  - ... Dock 3<sup>rd</sup> party loader & unloader for a fully automated solution.
  - ... Machine support inline integration with SMEM communication.

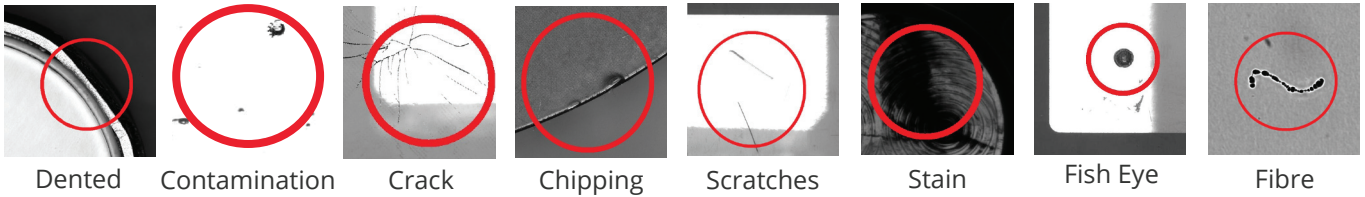


### Inspected Product Capabilities

- Smartphone glass panel, with/without prints
- Car glass fascia touch screen
- LED & phone lens in tray
- Cover glass

### 3 in 1 Inspection Solution

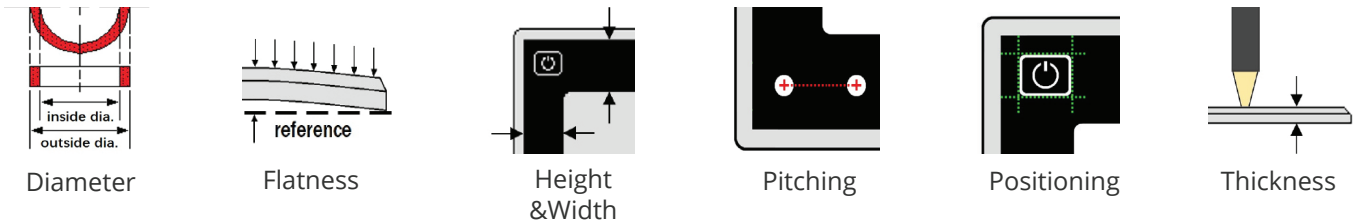
#### Surface Cosmetic Inspection



#### Silkscreen Printing Inspection



#### 3D Measurement + Flatness & Thickness



Available Series Model	P500x	P500	P500e
Camera	Top Color & Bottom Mono Camera	Top Color Camera	Top Mono Camera
Magnification	0.25x - 1.0x		
Camera Field of View	67.5x56.3mm - 8.4x7.0mm		
Lighting	Multi channel Full LED white. Front & Back illumination.		
Inspection	2D Metrology, Surface Cosmetic inspection, 1D/2D Code read, OCR/OCV, Shape Analysis.		
Translucent Measurement	Yes	Yes	No
Height Measurement	Yes	Yes	No
Auto-Learn Product	Yes	Yes	No

\* MultiNode CPU Acceleration Processing is available as an optional item.