

VeriSmart™



Discover more with VeriSmart verification and repair station

VeriSmart raises the standards of image quality, throughput and ease-of-use, improving your verification process for mainstream PCB production applications.

Unsurpassed image quality

New camera and illumination design for accurate, high-speed display of suspected defects

Ease-of-use for fast verification and repair

Newly developed ergonomic design allows operator to better verify and repair PCB panels.

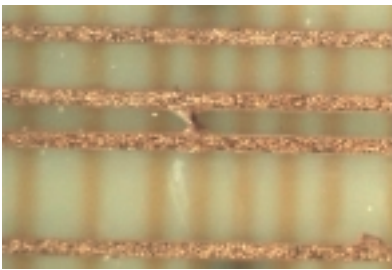
Compact and compatible

Compact design requires minimal floor space. Compatibility with Orbotech AOI systems minimizes operator training

VeriSmart

Unsurpassed image quality

VeriSmart's high-resolution camera and bright LED illumination offer you the most accurate defect images available. Its diffusive, reflective and grazing illuminations help you to clearly distinguish between false calls and true defects. Improved mechanics place defects in the center of the screen, enabling verification at higher zoom levels. The vacuum table, coupled with the camera's built-in autofocus, ensures excellent focus and panel flatness throughout the verification process.



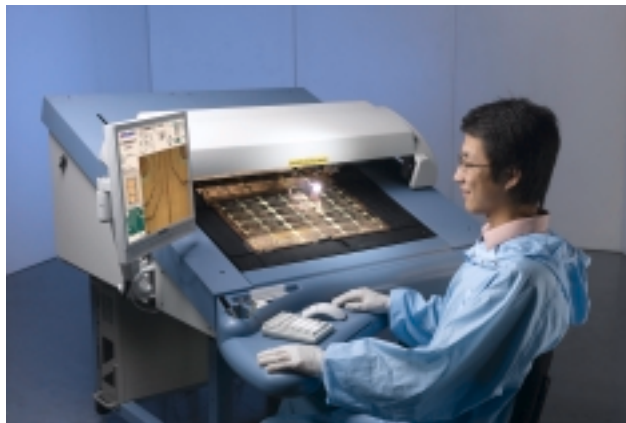
Ease-of-use for fast verification

VeriSmart's fast XY motion system and ergonomic design maximize operator efficiency. VeriSmart improves working conditions by offering:

- Adjustable flat panel display mounted at eye level
- Built-in, easily accessible storage space for repair and verification tools
- Comfortably-located "GO" buttons
- Small, movable defect reclassification keypad
- Fully-retractable keyboard
- Windows 2000 multi-lingual software

Compact and compatible

VeriSmart's compact design allows for verification and repair while using minimal floor space. Equipped with VRS-5-based software, VeriSmart supports Orbotech's full range of AOI systems and can be operated with virtually no additional training.



Specifications

Panel dimensions	Maximum panel size: 26" x 28" (660 mm x 712 mm) Maximum inspection area: 24" x 24" (610 mm x 610 mm)
Panel thickness	0-240 mil (0-6 mm)
Transition time between defects	Maximum: 1 second Typical: 0.5 seconds
Zoom magnification range	18x-78x
Working distance	3" (76.2 mm)
Applications supported	All PCB types at various production stages – down to 2 mil (50 µm) line/space
Feature measurement	Down to 0.1 mil (2.5 µm)
Image display	High-resolution adjustable 17" flat panel display
Illumination	LED-based diffusive, reflective, grazing
Panel handling	Vacuum table
AOI systems supported	Orbotech Discovery™, InSpire™, PC™, SK™, Vision™, Spiron™, PC-Micro-III™ and InFinex™ series
Physical dimensions	49.2" width x 49.6" depth x 47.2 - 63" height (adjustable), (125 cm x 126 cm x 120-160 cm)

• VeriSmart is a class 1 laser product according to IEC 60825-1 containing a class 2 laser. Laser Specification: Red laser diode, 635nm, <1mw max power.
• Specifications are subject to change without notice.

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