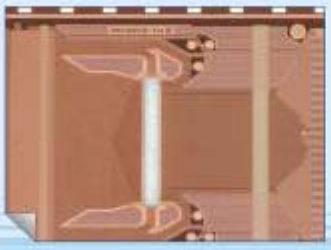
Automatic Vision Inspection System for COF/TAB, TBGA, H2BGA, FBGA

より高い点検の生産性と精密性を持つ、COF/TAB, TBGA, H2BGA, FBGA

AVIS-8000R



AVIS-8000R is an Automatic Vision Inspection System for both of pattern defects (AOI) and SR defects (AFVI) on COF/TAB, TBGA, H2BGA, FBGA with highest inspection productivity and accuracy.
Since its first successful installation in mass production line in 2000, AVIS-8000R has been enjoying a good reputation in the market oqing to the most reliable inspection capability as well as good technical service.

*AVIS-8000R*は、より高い点検の生産性と精密性を持つ、COF/TAB, TBGA, H2BGA, FBGA上のパータンの欠点(AOI)とSRの欠点(AFVI)のための自動映像点検 (Automatic Final Vision Inspection) システムであります。
2000年、大量生産システムから初めて成功的な設置を果たした以来、AVIS-8000R は、その技術的なサービスだけではなく、一番安定的な点検能力で良い評判を重ねて来ました。

Advanced Technology Inc.

AVIS-8000R

We can surely detect Bottom Short and Top Etching!!
Bottom ShortとTop Etchingは、必ず検出する事が出来ます!!

Brief of AVIS-8000

Location of AVIS-8000R
- Post Etching or Sn-Plating (AOI)
- Post SR (AFVI)

AVIS-8000Rの位置
- Post Etching又はSn-Plating (AOI)
- Post SR (AFVI)

Advantages

Highest Inspection Productivity
- 50mm/second at 5.0㎛/pixel resolution
- 30mm/second at 3.5㎛/pixel resolution
- 16mm/second at 2.5㎛/pixel resolution

より高い点検の生産性
- 5.0㎛/pixelの解像度にて、50mm/second
- 3.5㎛/pixel の解像度にて、30mm/second
- 2.5㎛/pixel の解像度にて、16mm/second

Highest Camera Resolution
- 2.5㎛ ~ 5㎛/pixel (easy to change)

より高いカメラの解像度
- 2.5㎛ ~ 5㎛/pixel (簡単に変えれる)

Minimum Over-Rejection rate

最低の誤報率（Over-Rejection rate）

Special devices in order to overcome bow & twist of tape materials

テープ等の曲りや捻りを阻止する為の特別装置

Off-line Teach server
(network with multiple number of AOI/AFVI)

オフラインティーチ
(Off-line Teach：多数のAOI/AFVIを持つネットワーク)

CAM data interface Teach (less than 1 hour)

CAMデータのインタフェースティーチ（30～50分以内）

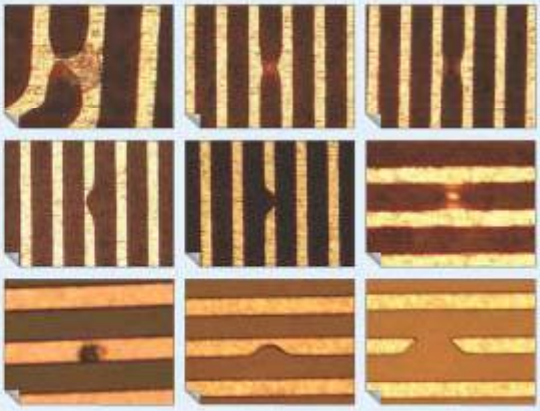
Field-Proven AOI/AFVI system since 2000

2000年から、現場で証明されて来たAOI/AFVIのシステム

Specification

Products inspected	TAB/COF, TBGA, H2BGA, FBGA
Tape dimension	35, 48, 70, 96, 105 and 158mm Tape width (Wide & Super Wide)
Camera Resolution	2.5㎛, 3.5㎛, 5㎛/pixel (easy to change)
Inspection Items	Open, Short, Protrusion, Mouse-Bite Bottom Short, Top Etching Pit/Pin Hole, Non-Plating, Discolor, Foreign Material
Line/Space	10/10㎛ products is inspected
Teach method	CAM data programming (Gerber RS-274× format)
Utility	AC220, 1phase, 60Hz, 5kgf/cm², 4Kw

Defect image sample



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