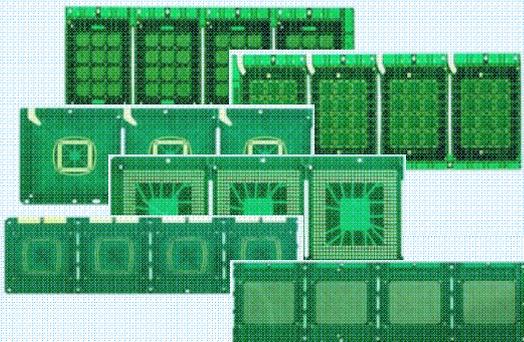# AVIS-1800

Automatic Vision Inspection System for IC Packaging Substrates

Metal & SR Surface inspection: 12 second/strip

Automatic Vision Inspection System for IC Packaging Substrates

Advantages

▶ Real Metal + SR inspection capability
Worldwide field−proved AFVI

▶ Highest Inspection Throughput
1,500M^2/month (M+SR Inspection)
2,500M^2/month (Metal Inspection)

▶ Highest Camera Working Resolution
5.5um/pixel

▶ Minimum Defect Size
down to 15um defect

ATI Advanced Technology Inc.

AVIS-1800

Automatic Vision Inspection System for IC Packaging Substrates

Briefs of AVIS-1800

- Various applications:
  All kinds of IC Packaging Substrates are inspected
- Double side (Tom/Bottom side) and Metal + SR inspection in one cycle
- Built-in strip Turnover Robot
- Hybrid type illumination system (Multi-channel LED and digital Halogen)

Specification

Products inspected	BOC, SiP, UTCSP, CA/CSP, FC CSP, PBGA, etc.
Strip dimension	Width: 20~80mm, Length: 70~270mm, Thickness: > 0.6mm
Camera resolution	5.5um/pixel
Inspection Item	Metal surface: Open(Non-plating), Short, Intrusion, Protrusion, Discolor, Exposed Copper, Scratch, Foreign Material SR surface: Exposed Metal, SR Peeling, SR Lump, SR Crack Pattern Open, Pattern Short
Particle Control	Built-in Clean Roller
Dimension	(W)1835 x (D)1325 x (H)1750mm
Utility	AC 220V, Single phase, 60Hz, 4Kw, 6kgf/cm² (1,500 liter/min)

VRS-150

Verification & Rework Station

Verification & Rework Station

- Color Defect Image for easy verification
- Auto-Focus
- Auto Zoom-in and zoom-out
- Easy & Convenient to use
- Laser point for accurate defect location
- Airblower for automatic particle removal
- Built-in Microscope
- Human-Friendly System Design