

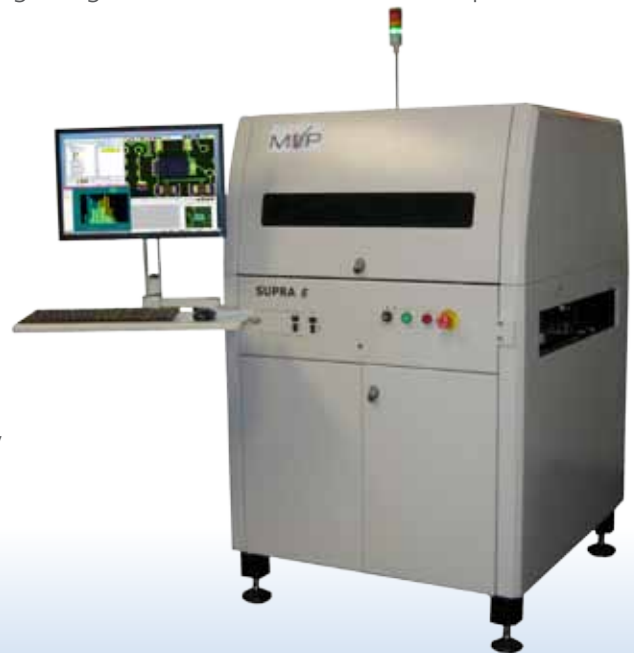
**AutoInspector Series - Supra E**

**Redefining the Cost and Performance of AOI**

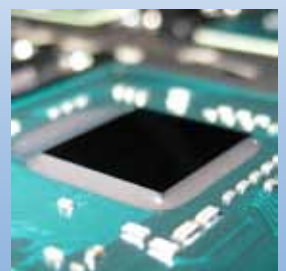
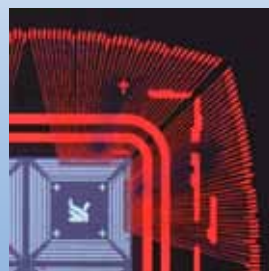
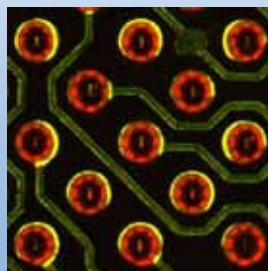
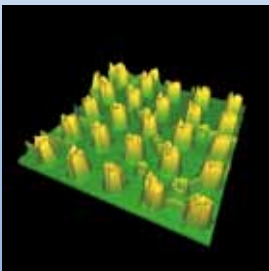
The **Supra E** Tri-Color Technology provides the ability to use multiple angles of light to determine different characteristics of each component and lead inspected all from a single image. Configured with the latest state-of-the-art 5 MP camera, our Linear Motion Technology allows faster inspection cycle times while increasing inspection capabilities. Additionally, our Tri-Color solutions enhance defect coverage while minimizing false rejects.

The **Supra E** provides the lowest overall costs by providing the highest fault coverage, highest reliability through the use of linear motion technologies, while providing the fastest program generation without the loss of performance.

- Flexible, Reliable and Robust AOI**
- Post Reflow, Post Paste and Post Wave**
- High Resolution 5 Megapixel Color Camera**
- Fastest Performance Based Programming**
- Easy-To-Use Award Winning iPro Software**
- 1 Meter Footprint**
- Class Leading Performance and Yield Capability**
- 01005 Capable**



Discuss your SMT and micro electronics inspection application with Machine Vision Products, Inc and discover your solution



**the vision to improve your process**

Machine Vision Products, Inc., 5940 Darwin Ct., Carlsbad, CA 92008

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### Supra E Technical Specifications

#### Inspection Speed

- Acquisition Speed of 75 Megapixels per second with a single 5 MP Camera
- Up to 90 sq.cm per second (14 sq.inches per Second) inspection dependant on board layout, density and field of view

#### Material Handling

- SMEMA Interface
- Flexible PLC Control
- Auto board clamp for precision registration
- Support for thin and standard PCB processing

#### System Hardware

- State-of-the-art 5MP large format color camera
- Proprietary "On-the-fly" camera acquisition
- Programmable variable LED strobe lighting
- Proprietary multi-color illumination
- Field of view resolution 7 - 17 Micron/Pixel
- 0201 and 01005 capable
- Copy-exact, inter-machine capability
- Precision X/Y stage with 0.5 micron ball-screw/rotary brushless DC motor drive system
- Dual loop feedback servo drive .

#### Physical Specification

- Inspection envelope 508mm x 508 mm (20" x 20")
- Footprint 990mm W x 1100mm D
- Height 1580mm (62")
- Conveyor length 996mm
- Power 208-240VAC 50/60Hz, 5 Amperes
- Air 60 PSI, 1CFM
- Weight 500 kgs (1100 lbs)

#### System Configurations

- MVP Supra E Tri-Color Proprietary Multi-color illumination

#### System Software

- CAD-driven, library-based programming software
- Proven high performance, adaptable algorithms with highest detectability and lowest PPM false accept and false reject rates
- Full network integration (TCP/IP, NFS Protocol)
- Off-line or in-line defect review capability
- Defect image archive capability
- Real-time SPC package
- Report generation utilities for production inspection measurements
- Inspection program change tracking
- 5th generation proven inspection software
- Multipass technology, adjustable lighting intensity
- MVP Dynamic Process Control compatible

#### Options

- CAD and Gerber translation software
- Off-line programming capability
- Dotplate and lighting calibration tool
- Dual Lane Material Handling
- AutoWidth Adjust
- Top Side Reference Lifters
- Programmable Z-Axis control function
- MVP Dynamic Process Control

Worldwide Headquarters  
Carlsbad, California USA  
800.260.4MVP or 760.438.1138  
sales@visionpro.com

European Headquarters  
Fife, Scotland UK  
+44 (0) 1383 629960  
salesuk@visionpro.com

Asia-Pacific Headquarters  
Shanghai, P.R.C.  
+86 21 5046 2330  
salesasia@visionpro.com

our  
Vision  
your Success