Alpha 1 Technologies

ST-516 Stand Alone

ST-808 Inline

AOI
Machine Highlights

- User friendly interface with Windows 7 Operating System
- State of the Art software
- Effective detection rate of 99% or better
- Comes standard with SPC function
- Inspects a wide variety of components and potential defects
  - Solder bridging and voids
    - Both through hole and SMT
  - Missing components
  - Resistor color bands
  - Polarity
  - Component identification
  - Tomb Stoning
  - Skewed Components

Software Capabilities

- CAD Data import
- Color extraction
- Character Recognition (OCR)
- Color Distance Analysis
- Black and White Weight analysis
- Brightness analysis
- Graphical similarity
- SPC Statistics
- Bar code scanning

<table>
<thead>
<tr>
<th>General Specifications</th>
<th>Model ST-516 and 808</th>
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<tbody>
<tr>
<td>Operating System</td>
<td>Windows 7</td>
</tr>
<tr>
<td>Board Size</td>
<td>25mm x 25mm to 369mm x 488mm</td>
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<tr>
<td>Board Thickness</td>
<td>0.3mm to 5.0mm</td>
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<tr>
<td>Vision Camera</td>
<td>400 megapixel full color high speed digital CCD camera</td>
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<tr>
<td>Lighting System</td>
<td>Three channel white LED or GRB light source</td>
</tr>
<tr>
<td>Resolution</td>
<td>10um, 15um, 18um, 25um optional</td>
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<tr>
<td>X/Y System</td>
<td>Panasonic AC Servo</td>
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<tr>
<td>Power requirements</td>
<td>220V AC Single phase 60hz</td>
</tr>
<tr>
<td>Machine foot print</td>
<td>980mm x 945mm x 1260mm</td>
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