EVOTIS
Technical Inspection System
For electronics and industrial applications

EVOTIS is an advanced inspection workstation for large area subjects such as PCB’s and palletized components. Independently lockable X-Y axis movement allows methodical inspection scanning along rows of features.

Compatible with Lynx EVO and EVO Cam, EVOTIS provides access to a large range of inspection tools, including 360° rotating viewer, wide range of objectives, high resolution camera modules and reticles, and giving a potential magnification range from 3.7x to 300x.

- Fast inspection of large and complex components
- Independently lockable X-Y stage for methodical inspection along features
- 25° tilt wedge for fixed position oblique viewing
- Compatible with unique 360° rotating viewer
- Specially coated ESD base board and earthing point

EVOTIS with Lynx EVO
✅ Ergonomic eyepiece-less stereo 3D view
✅ 3.7x to 180x magnification
✅ Compatible with Lynx EVO objective lenses & accessories

EVOTIS with EVO Cam
✅ Large field of view system
✅ 5.5x to 300x magnification
✅ Compatible with EVO Cam objective lenses & accessories

Common to both Lynx EVO and EVO Cam systems it allows a rotating oblique view of 34° from 360° around a feature as well as the expected direct view. Making it easy to see side details around features as well as the usual top surface. Especially useful for joints, holes, pillars and threaded forms.

The stable high capacity stages provide free floating movement for all sizes of board, including double sided PCB’s. Stages enable easy inspection of difficult to handle items and can be locked for precision inspection tasks.
Vision Engineering is a global manufacturer of stereo & digital microscopes and non-contact measurement systems. Since 1958 the company has earned the reputation for its innovative and ergonomically designed products which are used by the World’s best companies.

**Key Features - EVOTIS**

- Free floating table:
  - 300mm x 250mm
  - 460mm x 460mm
- 25° tilting wedge
- Optional 28mm ‘stand-off’ kit
- Available with compact, standard and large bases
- Base board with ESD coating and earthing point

**Key Features - EVOTIS with Lynx EVO**

- Eyepiece-less stereo view (3D)
- 3.7x – 180x magnification
- 360° rotating viewer
- Compatible with Lynx EVO objectives and accessories
- Image capture with SmartCam/SmartCam5 cameras
- Accessories
  - SmartCam/SmartCam5
  - Multipliers 1.5x and 2.0x
  - 0.62x, 1.0x and 1.5x objectives

**Maximum component height by objective**

<table>
<thead>
<tr>
<th>Objective</th>
<th>Max. Component Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.62x</td>
<td>47mm</td>
</tr>
<tr>
<td>1.0x</td>
<td>98mm</td>
</tr>
<tr>
<td>1.5x</td>
<td>106mm</td>
</tr>
<tr>
<td>360° viewer</td>
<td>84mm</td>
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</tbody>
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**Key Features - EVOTIS with EVO Cam**

- Large zoom range camera
- 5.5x – 300x magnification
- 360° rotating viewer
- Compatible with EVO Cam objectives and accessories
- Stand alone or PC connection
- Accessories
  - 0.62x and 1.0x objectives
  - Polaring filters
  - White/UV quadrant ring light
  - External keypad

**Maximum component height by objective**

<table>
<thead>
<tr>
<th>Objective</th>
<th>Max. Component Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.62x</td>
<td>24mm</td>
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<tr>
<td>0.62x NEW</td>
<td>37mm</td>
</tr>
<tr>
<td>1.0x</td>
<td>74mm</td>
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<tr>
<td>360° viewer</td>
<td>39mm</td>
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