xt-svm-m44 manual measurement system

the scienscope xt-svm-m44 manual xy measurement system provides a cost effective lightweight platform for a variety of applications. with a small footprint and virtually maintenance free, the price to value is unbeatable. ask for a demonstration today, or send us some samples for measurement.

applications

- medical
- optics
- defense
- life sciences
- automotive
- sheet metal
- circuit boards
- electronics
- solar
- consumer

system details

featuring

- precision granite base and column
- 1/2 (0.5) micron resolution tape scales
- 1/2" color 1.3 megapixel camera
- 23" lcd widescreen monitor
- zoom lens with magnification detent sensor
- quick lock/release x/y stage
- software controlled quad led top light
- software controlled collimated led back light
- m3 metlogix software
- true position, gd&t and tolerancing, reporting
- cad layout window, dxf capability
- live image screen
- annotation and video capture for archiving and part documentation
- all geometric functions (circle, arc, angle, distance, etc.)
- workstation table optional
- 1 year full warranty

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**MACHINE VISION**

1. 1/2” color 1.3 megapixel USB 3.0 Digital Camera
2. Zoom lens with detents
3. LED quad light

**QUADRANT 72-BULB LED TOPLIGHT**

1/4 CIRCLE  
DOUBLE-SIDED  
1/2 CIRCLE  
3/4 CIRCLE  
FULL CIRCLE

**STAGE DETAILS**

1. Glass Stage Level Adjustments
2. Y-Axis Stage Lock / Quick Release
3. Built-in 1 micron resolution tape encoder scale (X/Y)
4. Precision Granite base and column
5. Y-axis stage knob
6. X-axis stage knob
7. X-Axis Stage Lock / Quick Release

**General Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>XT-SVM-M44 NEW</th>
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<tbody>
<tr>
<td>Model Number</td>
<td></td>
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<tr>
<td>Measuring Range</td>
<td>4” X 4” X 4”</td>
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<tr>
<td>Magnification Calibration</td>
<td>Image Magnification Calibration</td>
</tr>
<tr>
<td>Measurement Software Options</td>
<td>MetLogix M3 Software</td>
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<tr>
<td>Standard Magnification</td>
<td>25X to 158X / Capable of up to 316X</td>
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<tr>
<td>Illumination</td>
<td>Quad LED top &amp; Collimated back light</td>
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<tr>
<td>Power Supply</td>
<td>110V - 220V ± 5% 50/60HZ</td>
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<tr>
<td>System Resolution</td>
<td>1 μm</td>
</tr>
<tr>
<td>Accuracy (X/Y) at 20ºC</td>
<td>(3H/100) μm, L in mm</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±1 μm</td>
</tr>
<tr>
<td>Camera</td>
<td>1/2” Color USB 1.3 Mega Pixel Digital Camera</td>
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<tr>
<td>Support Stand</td>
<td>Optional</td>
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**THIS SYSTEM INCLUDES A 1 YEAR WARRANTY ON PARTS AND LABOR**