XT-SVM-M88
Manual Measurement System

The Scienscope XT-SVM-M88 Manual XY measurement system provides a larger cost effective lightweight platform for a variety of applications. The M88 retains the features of the M44 but has a larger 8” x 8” x 4” (200mmx200mmx100mm) stage travel. A small footprint and virtually maintenance free, the price to value is unbeatable. Ask for a demonstration today; 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, GDT 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

4X LARGER LENS WITH COLLIMATED BACKLIGHT

Enlarged Lens  Legacy Lens  STANDARD LIGHT  COLLIMATED LIGHT Produces high contrast silhouettes & increased illumination

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

Model Number  XT-SVM-M88
Measuring Range  8" X 8" X 4"
Magnification Calibration  Image Magnification Calibration
Measurement Software Options  MetLogix M3 Software
Standard Magnification  25X to 168X / Capable of up to 316X
Illumination  Quad LED top & Collimated back light
Power Supply  110V - 220V ± 5% 50/60Hz
System Resolution  1 μm
Accuracy (X/Y) at 20°C  (±H/200) μm, L in mm
Repeatability  ± 1 μm
Camera  1/2" Color USB 1.3 Mega Pixel Digital Camera
Support Stand  Table top or workstation table (Workstation shown)

THIS SYSTEM INCLUDES A 1 YEAR WARRANTY ON PARTS AND LABOR