

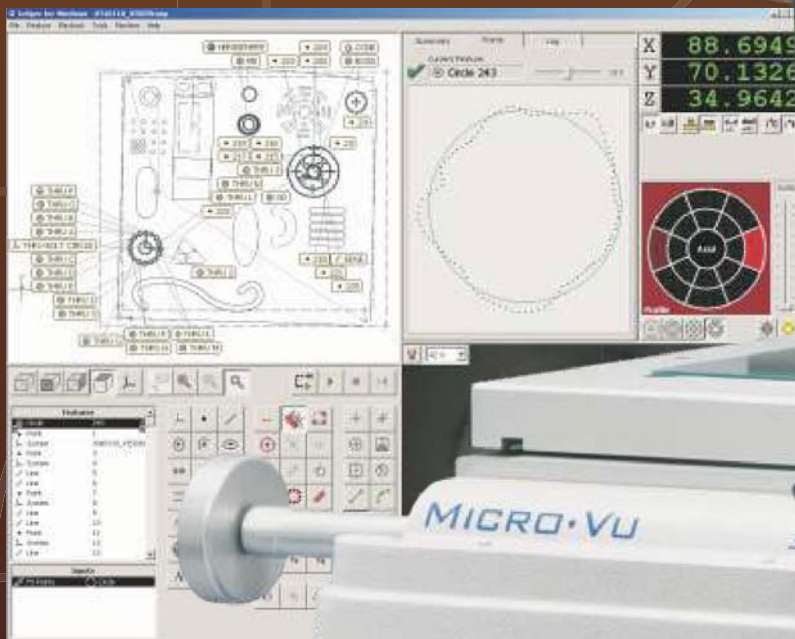
SOL

MANUAL VISION SYSTEM

The **Sol Vision System** implements new technologies to provide **speed and accuracy** on a reliable and affordable measuring machine. The Sol bridges the gap between manual and automated measurement systems.

A **programmable 19.5x zoom** (6.5x optical and 3x digital), **non-linear compensation** (optics and stage), **advanced lighting**, and **part program compatibility** make the Sol the most advanced machine in its class.

Micro-Vu's **InSpec Metrology Software** drives the Sol in addition to manual, vision, and multisensor systems. InSpec's point-and-click measuring and proprietary edge detection simplify demanding measurement applications.



MICRO-VU CORPORATION

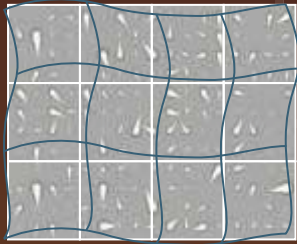
PRECISION MEASUREMENT SYSTEMS

SOL

MANUAL VISION SYSTEM

	Encoder Resolution	XY Accuracy	Z Accuracy	Measurement Capacity	Stage Capacity	Machine Dimensions	Machine Weight
Sol 161	1.0 μ m	2.8+L/150	2.8+L/100	160x160x160mm	10 kg	545x705x775mm	54kg
Sol 311	1.0 μ m	4.5+L/150	2.8+L/100	315x315x160mm	10 kg	827x1043x824mm	132kg
Sol 312	1.0 μ m	4.5+L/150	3.3+L/75	315x315x250mm	10 kg	827x1043x1019mm	159kg

Specifications subject to change without notice. Accuracy units are microns; length L units are millimeters.



Non-Linear Compensation

InSpec measures and applies compensation for systematic variation and ensures the highest measuring accuracy for the machine. Non-linear calibration of the stage and optics is standard.

Programable Zoom

The zoom lens is motorized. InSpec automatically drives the lens to the programmed zoom stops. Parts can be measured faster and more accurately.



Machine

- Precision X, Y, and Z Linear Ways
- Manual X-Y-Z Fine and Fast Positioning
- Motorized, Programable Zoom Lens
- Cast Base and Mast
- Single USB Connection to Computer
- Calibrations Stored on Machine

Optics and Illumination

- Digital, High Resolution Color Camera
- 19.5x Zoom Range, 6.5:1 Optical, 3:1 Digital
- 20-360x or 40-720x Viewed on Monitor
- Fast Servo Drive Magnification Changes
- Instant Digital Magnification Changes

Advanced Lighting

- Intuitive Graphic Interface
- Full Control to Enhance Edges
- Multi-Ring, Multi-Sector Ringlights
- Long Life LEDs (approx 10,000 hrs)
- InSpec Includes Lights Calibration
- LED Lighting - Surface, Profile and Axial
- Lighting Angles from 25 to 90 Degrees

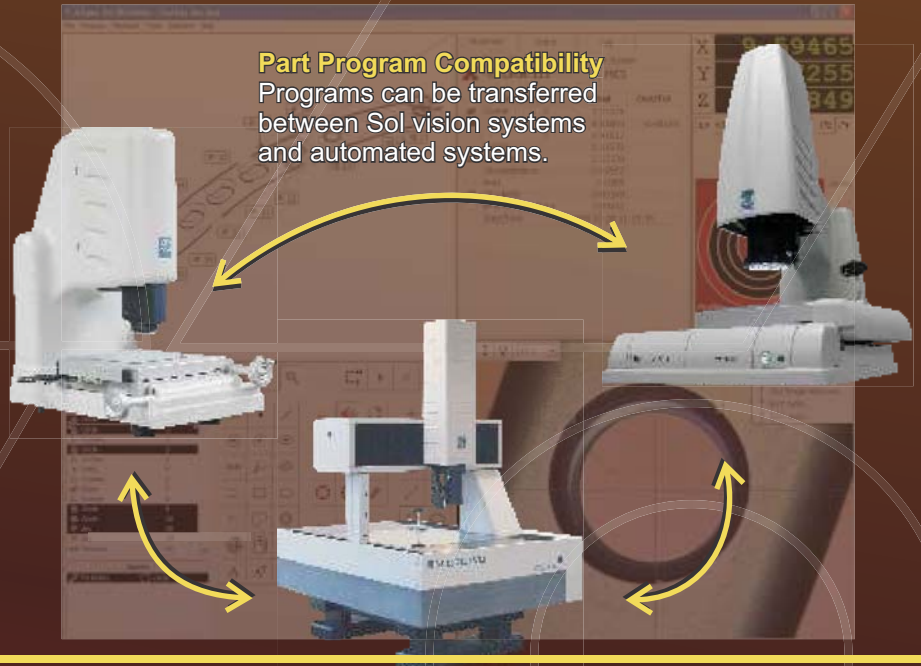


Software

- InSpec Metrology Software
- Transfer Programs to Automated Systems
- Dynamic Sub-Pixel Image Processing
- Point Edge Detection Tools
- Feature Edge Detection Tools
- Video Overlays
- On-Screen Scale
- Feature Constructions
- Tool Property Editing
- Lights, Zoom, and Zone Editing
- Instant Tool Editing on Stored Images
- Advanced GD&T Tolerances
- Automated Export Settings
- Automatic Report Construction
- Feature Summary Display
- Data Points Display (Whisker Charts)
- Feature Status Log Display
- Fixed Windows Configuration
- User Configuration and Password Protection
- Image Capture and Export to JPG or BMP

Part Program Compatibility

Programs can be transferred between Sol vision systems and automated systems.



Micro-Vu Corporation

7909 Conde Lane Windsor, CA 95492 USA
Phone 707 838 6272 Fax 707 838 3985

www.microvu.com



RFM
RESOURCES FOR MANUFACTURING

(937) 436-4699
sales@rfminc.net
www.rfminc.net