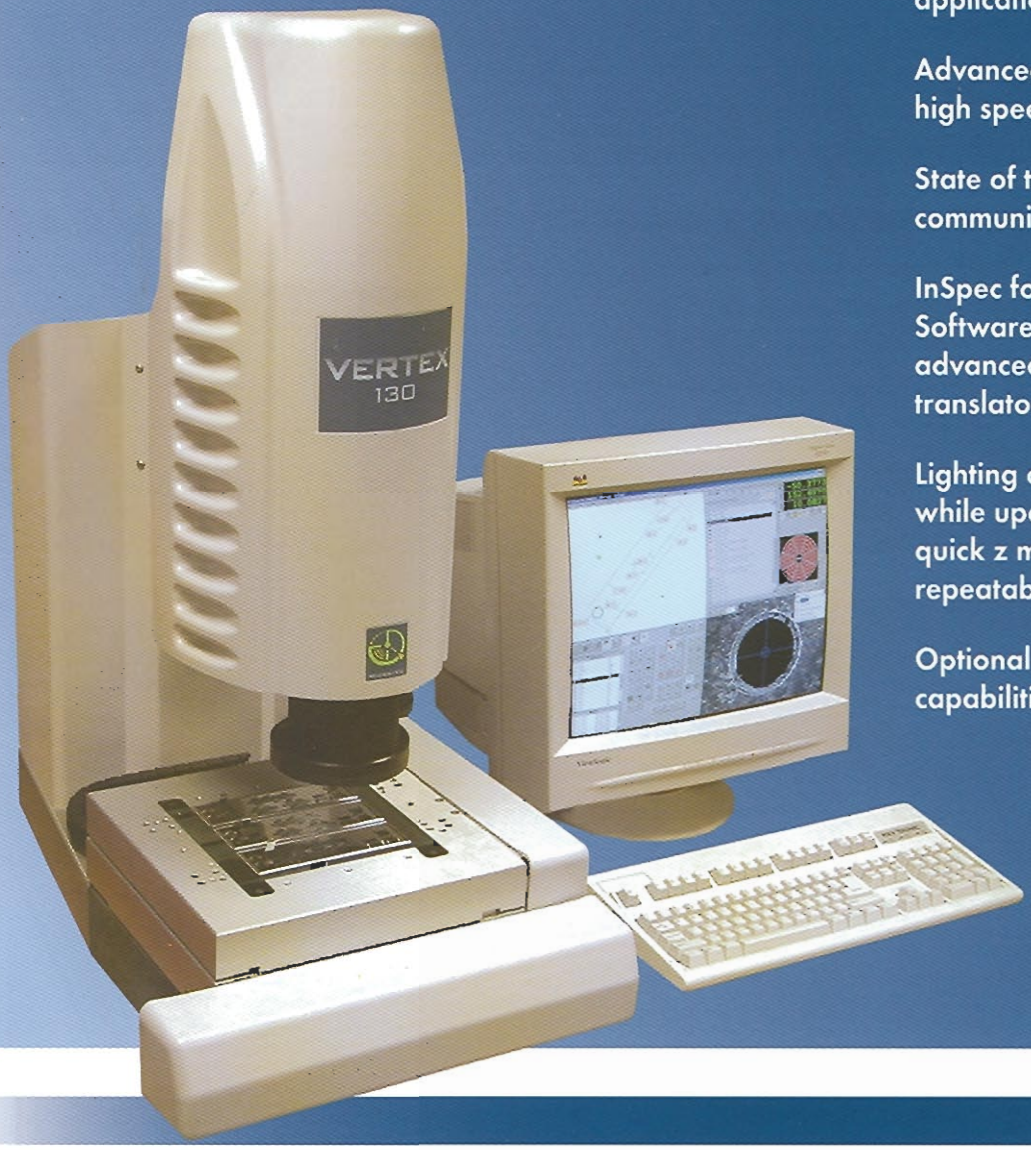
VERTEX MEASURING CENTER



The Vertex Measurement System is capable of a wide range of measuring applications.

Advanced mechanical design results in high speed and accuracy.

State of the art electronics feature USB communications and machine memory.

InSpec for Windows Metrology Software provides a simple interface for advanced measuring tools, tolerancing, translators, and reporting.

Lighting options enhance edge definition while updated focus algorithms provide quick z measurements with excellent repeatability.

Optional touch probe increase system capabilities.

MICRO-VU CORPORATION

PRECISION MEASUREMENT SYSTEMS

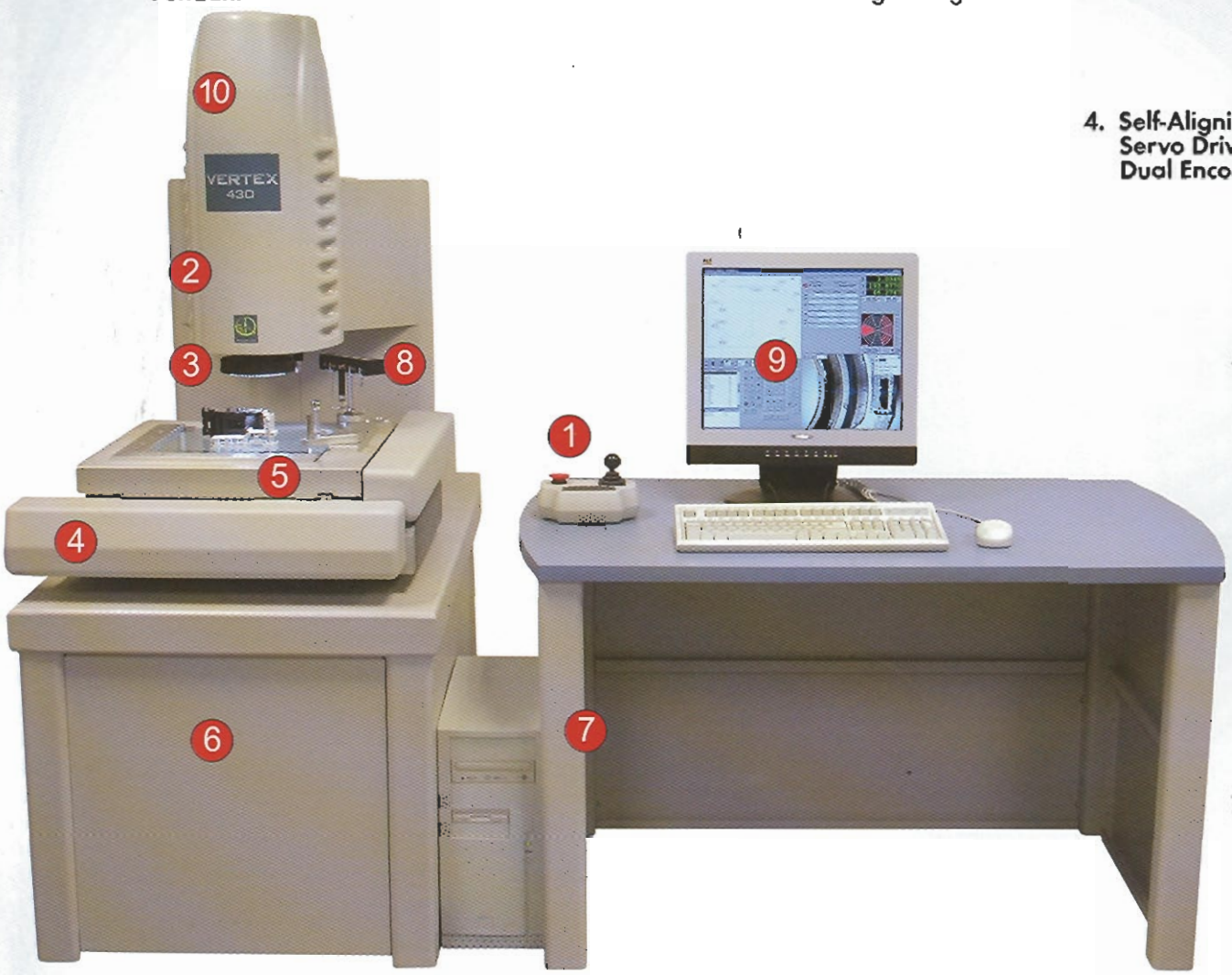
VERTEX FEATURE HIGHLIGHTS

1. Multifunction Pendant

2. 12:1 & 6.5:1 Programmable Zoom Lens

3. Standard & Macro Programmable Light Rings

4. Self-Aligning Servo Drive with Dual Encoders



5. Monorail Bearing Design

6. Heavy Duty Steel Stand (Optional)

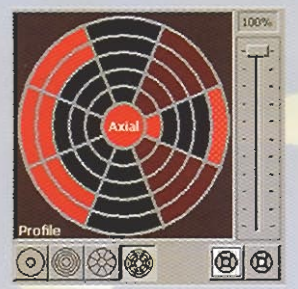
7. Matching Console (Optional)

10. Two Stage Sizes:
8"x6"x6" (200x150x150mm)
12"X12"X6 " (300X300X150mm)

8. Touch Probe and Docking Station (Optional)

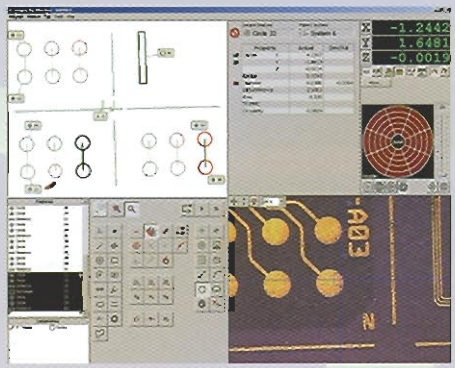
9. InSpec Metrology Software

PRIMARY FEATURES



Lighting Features

- Intuitive Onscreen Controls
- Ring, Octant, & Sector Controls
- White LEDs for Color
- Red LEDs for B&W
- Long Life - Approx. 10,000 Hrs



InSpec Metrology Software

- Powerful Machine Vision Tools
- Simple Yet Powerful Interface
- Easy Programming & Printing
- Easy Tolerancing & Reporting

Macro Ring Lights

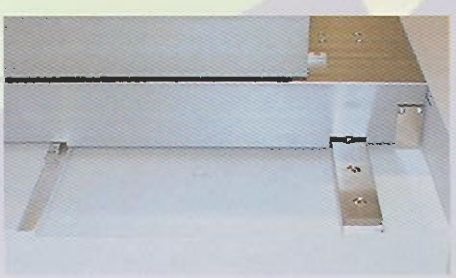
- Enhance Difficult to See Edges
- Five Rings, Forty Sectors
- 27° - 75° Angle of Incidence

State of the Art Electronics

- USB Connection
- DSP Technology
- On Board Memory
- High Reliability
- Multifunction Pendant

Standard Ring Lights

- Two Rings, Sixteen Sectors
- 47° - 75° Angle of Incidence



MonoRail Design

- High Accuracy
- Drive Side Stiffness
- Low Maintenance

VERTEX MEASURING CENTER

SPECIFICATIONS:

If You Can See It...

Performance[1]	8 x 6	12 x 12
XY Accuracy	U_{xy}=2.0+L/250 (L in mm)	U_{xy}=2.6+L/175 (L in mm)
Z Accuracy[2]	U_z=3.0+L/150 (L in mm)	U_z=3.0+L/150 (L in mm)
XY Repeatability	2.0μm (0.00008")	2.0μm (0.00008")
Z Repeatability	2.0μm (0.00008")	2.0μm (0.00008")
X, Y Acceleration	500 mm/s^2 (20 in/s^2)	
Z Acceleration	200 mm/s^2 (8 in/s^2)	
X, Y Speed	250 mm/s (10 in/s)	
Z Speed	100 mm/s (4 in/s)	
Scale Resolution	1.0μm (0.00004"), 0.5μm (0.00002"), or 0.1μm (0.000004")	

Mechanics	8 x 6	12 x 12
Measuring Volume	200x150x150 mm (8"x6"x6")	300x300x150 mm (12"x12"x6")
External Dimensions	760x635x965 mm (L30"xW25"xH38")	1090x865x990 mm (L43"xW34"xH39")
Weight	60kg (130 lb)	125kg (270 lb)
Capacity	7.5kg (15 lb)	12kg (25 lb)
Stage	Clear Anodize Hard Coat with Fixturing Holes	
Base Material	Aluminum (Granite Optional)	
Ways	Unique Monorail X & Y Design, Monorail Linear Z	
Motion Control	Servo: CNC, Mouse, and Pendant Control	

Electronics	
Optics & Magnification[3]	12:1 Motorized Zoom, 15-180x or 30-360x 6.5:1 Motorized Zoom, 20-130x or 40-260x
Video & Illumination	Hi-Res Color Video with White LED Lighing or Hi-Res B&W Video with Monochromatic Red LED Lighting
Software	InSpec for Windows Metrology Software
Controller[4]	2.0 GHz, 512 MB RAM, CD-RW, Ethernet Card
Environmental	Temperature 68°F (20°C), <2° change per hour, 30% - 80% Relative Humidity
Warranty	1 Year Parts and Service

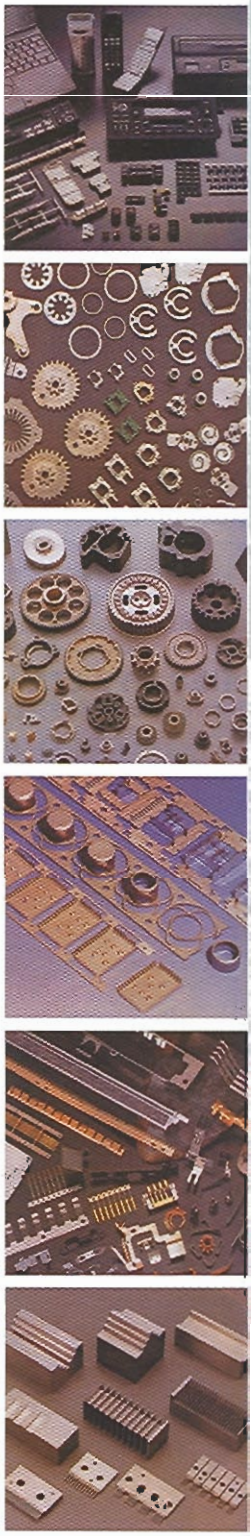
[1] Based on Micro-Vu Accuracy & Repeatability specification using 0.5μm scales

[2] Mechanical accuracy of z, focus accuracy depends on the part surface

[3] Magnification is approximate and depends on monitor size and resolution

[4] Micro-Vu may substitute upgraded components without notice

We Can Measure It!



7/04

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