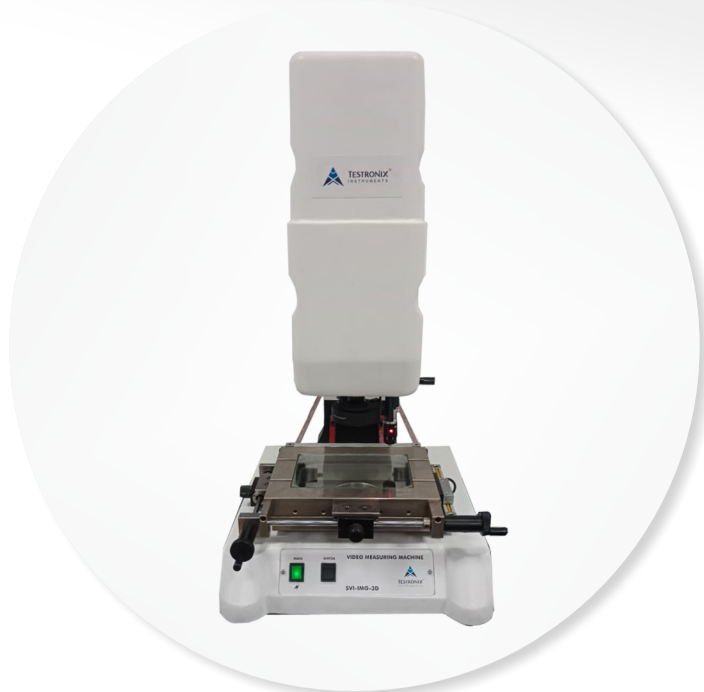## Testronix Vision Measurement System
Precision and Quality in Every Measurement

Elevate your quality control with the Testronix Vision Measurement System, the cutting-edge solution for the preform and bottle manufacturing industry. Designed to provide unparalleled accuracy and efficiency, this 2-dimensional vision measurement system ensures that every product meets the highest standards of quality and consistency.

Feature	Details
Measuring Range (Standard)	100mm x 100mm
Optional Range	X-axis up to 500mm, Y-axis up to 400mm
Focusing Range	100mm (without encoder)
Resolution	0.005 / 0.001 / 0.0005mm
Linear Accuracy	(3+L/200) micron
Repeatability	±(0.002mm)
Vision System	1/3" High Resolution CCD Camera
Magnification	Optical Magnification 0.7X - 4.5X
Measurement Method	Cross-hair on screen
Optional Hardware	PC with 19" Monitor
Illumination Surface	Fiber Optic/LED
Illumination Contour	Halogen Lamp/LED
Operation	Manual with quick-release knob

Product Description
Precision and Quality in Every Measurement

Elevate your quality control with the Testronix Vision Measurement System, a state-of-the-art solution for the preform and bottle manufacturing industry. Designed for precision and efficiency, this 2-dimensional vision measurement system ensures that every product meets the highest standards of quality and consistency.

Key Features:

- **Standard and Optional Measuring Ranges:**
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  - ☑ The system offers a standard measuring range of 100mm x 100mm, with optional extensions up to 500mm on the X-axis and 400mm on the Y-axis, catering to various measurement needs.
- **High Precision Focusing:**
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  - ☑ With a focusing range of 100mm (without encoder), and resolutions of 0.005mm, 0.001mm, and 0.0005mm, the system guarantees precise measurements.
- **Superior Accuracy and Repeatability:**
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  - ☑ Achieve linear accuracy of (3+L/200) micron and repeatability of ±0.002mm, ensuring consistent and reliable results.
- **Advanced Vision System:**
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  - ☑ The 1/3" high-resolution CCD camera and optical magnification range from 0.7X to 4.5X provide clear and detailed images for accurate measurement.
- **Efficient Measurement Method:**
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  - ☑ Utilize the cross-hair on the screen for precise measurement and analysis.
- **Enhanced Illumination:**
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  - ☑ Choose between fiber optic or LED surface illumination and halogen lamp or LED contour illumination for optimal visibility.
- **User-Friendly Operation:**
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  - ☑ The manual operation with a quick-release knob and optional joystick control simplifies usage and increases efficiency.
- **Robust Design:**
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  - ☑ A metal base platform and column, along with a platform load capacity of 10kg, ensure durability and stability.
- **Versatile Power Supply:**
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  - ☑ Compatible with 220-240V ± 5%, 50/60Hz power supply, making it suitable for various settings.
- **Optional Upgrades:**
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  - ☑ Enhance your system with optional PC and 19" monitor, binocular or trinocular observation head, and focusing slide.