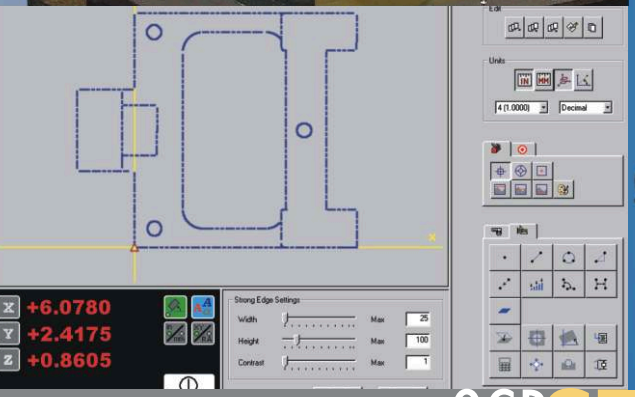

200/250/300

OGP STARLITE

Low-Cost, High-Value Measurement System

	Range	mm
Starlite 200	X axis	200
	Y axis	150
	Z axis	150
Starlite 250	X axis	250
	Y axis	150
	Z axis	150
Starlite 300	X axis	300
	Y axis	300
	Z axis	150

Practicality and performance in a semi-automatic system

The Starlite™ benchtop video machines from Optical Gaging Products (OGP®) put the benefits of semi-automatic, non-contact video measurement within the reach of virtually any manufacturer. Starlite systems offer a long list of standard features —

- **Intuitive metrology software.** Gage-X™ metrology software includes powerful functions for general purpose dimensional measurement with an easy-to-use graphic interface. Gage-X guides users through measurement routines with clear pictorial instructions using part model and destination symbols and icons. The exclusive CompuFocus™ feature ensures repeatable focus results from user to user.
- **Superior optics.** The precise 6.5 to 1 motorized programmable zoom lens has an ample 70 mm working distance. Optional auxiliary lenses attach easily to expand the magnification range.
- **Mechanical integrity.** Starlites include precision mechanical bearing XYZ transports with 1.0 µm linear scales mounted to a stable granite base and column. Manual quick release XY motion controls allow rapid positioning while convenient adjustment knobs provide precise motion. Fine and coarse Z motion adjustment knobs simplify focusing.
- **Image processing.** Starlite with Gage-X features full field-of-view image processing with advanced edge detection algorithms designed for real world applications.

OGP STARLITE

Technical Specifications

200	250	300	
■			**Measuring range (XYZ):** 200 x 150 x 150 mm
	■		**Measuring range (XYZ):** 250 x 150 x 150 mm
		■	**Measuring range (XYZ):** 300 x 300 x 150 mm
■			**Measuring unit dimensions (approx LWH):** 54 x 53 x 80 cm, 113 kg
	■		**Measuring unit dimensions (approx LWH):** 54 x 56 x 80 cm, 115 kg
		■	**Measuring unit dimensions (approx LWH):** 82 x 58 x 80 cm, 140 kg
■	■	■	**Shipping crate dimensions (approx LWH):** 145 x 112 x 115 cm, 220 kg
■	■	■	**XYZ scale resolution:** 1.0 µm
■	■	■	**Worktable:** Anodized with fixture holes and removable stage glass, 20 kg load capacity (Starlite 200/250), 25 kg load capacity (Starlite 300)
■	■	■	**Zoom lens:** Motorized, 6.5:1, field of view 8.89 – 1.78 mm, working distance 70 mm
□	□	□	**Accessories:** 0.5x, 0.75x, 1.5x, and 2.0x lens options; 0.67x and 2.0x adapter tubes
■	■	■	**Camera:** ½" format high resolution color CCD with 768 x 494 pixel array
■	■	■	**Illumination:** Collimated profile, on-axis (TTL) surface and programmable ring light LED illuminators
■	■	■	**Image processing:** 256 level grayscale processing with 10:1 sub-pixel resolution
			*On-screen magnification depends on monitor size. Figures shown are for a typical 20" LCD monitor.
■	■	■	**Power requirements:** 100/110/220/240 vac, ± 5%, 50/60 Hz, 1 ϕ, 300 W
■	■	■	**Rated environment:** 18-22° C, 30-80% humidity (non-condensing), vibration <0.002g below 15 Hz
■	■	■	**Operating environment, safe operation:** 5-40° C
■	■	■	**Metrology software:** QVI Gage-X™
■	■	■	**Controller:** Minimum configuration Pentium® processor @ 2.6 GHz, 1 GB RAM, 40 GB hard drive, 1.44 MB floppy drive, CD-ROM drive, parallel, serial, and USB 2.0 ports, on board 10/100 LAN
■	■	■	**Operating system:** Microsoft® Windows™ XP
□	□	□	**Computer accessory package:** 20" LCD monitor, keyboard, three button mouse
□	□	□	**Software:** SmartReport® Plus, MeasureFit® Plus
■	■		**X,Y linear accuracy:** E_1=(2.5 + 6L/1000) µm*
		■	**X,Y linear accuracy:** E_1 = (3.5 + 6L/1000) µm*
■	■		**XY area accuracy:** E_2=(3.5 + 6L/1000) µm*
		■	**XY area accuracy:** E_2=(4.5 + 6L/1000) µm*
■	■	■	**Z linear accuracy:** E_1=(7.0 + 8L/1000) µm*
			*Where L=measuring length in mm. Applies to thermally stable system in rated environment, maximum zoom lens setting, and evenly distributed 5 kg load. Depending on load distribution, accuracy at maximum rated load may be less than standard accuracy. XY axis artifact: QVI 25 intersection grid reticle at standard measuring plane. Z axis artifact: QVI step gage or master gage blocks.
■	■	■	**Warranty:** One year
□	□	□	**Accessories:** Calibration artifacts

■ Standard □ Option

Multisensor Metrology

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