ogp

SmartScope

E45

SmartScope E-Series

Automatic Digital Zoom Metrology Systems

SmartScope E-Series

## Fully Automatic 3-Axis Video Measurement

SmartScope® E-Series systems are fully automatic systems that set the standard for 3-axis video measurement performance.

The fixed lens IntelliCentric™ optical system with 6-megapixel color camera and digital zoom provide a high resolution image engineered for video edge detection metrology. All LED coaxial, substage profile, and SmartRing™ light illumination is standard.

SmartScope E-Series systems are a great choice for manufacturers seeking to place an automatic video metrology system in a high-productivity production environment. Instantaneous mag changes and servo motor drives deliver fast throughput during measurement routines.

Optional TP20 or TP200 touch probes transform E-Series systems into robust, yet simple-to-use multisensor metrology solutions.

Measure-X® metrology software provides powerful programming capability with an easy-to-use operator interface. From creating part measurement routines to operating a system in a production work environment, Measure-X metrology software offers power without intimidation and is the ideal choice for general-purpose video and multisensor metrology.
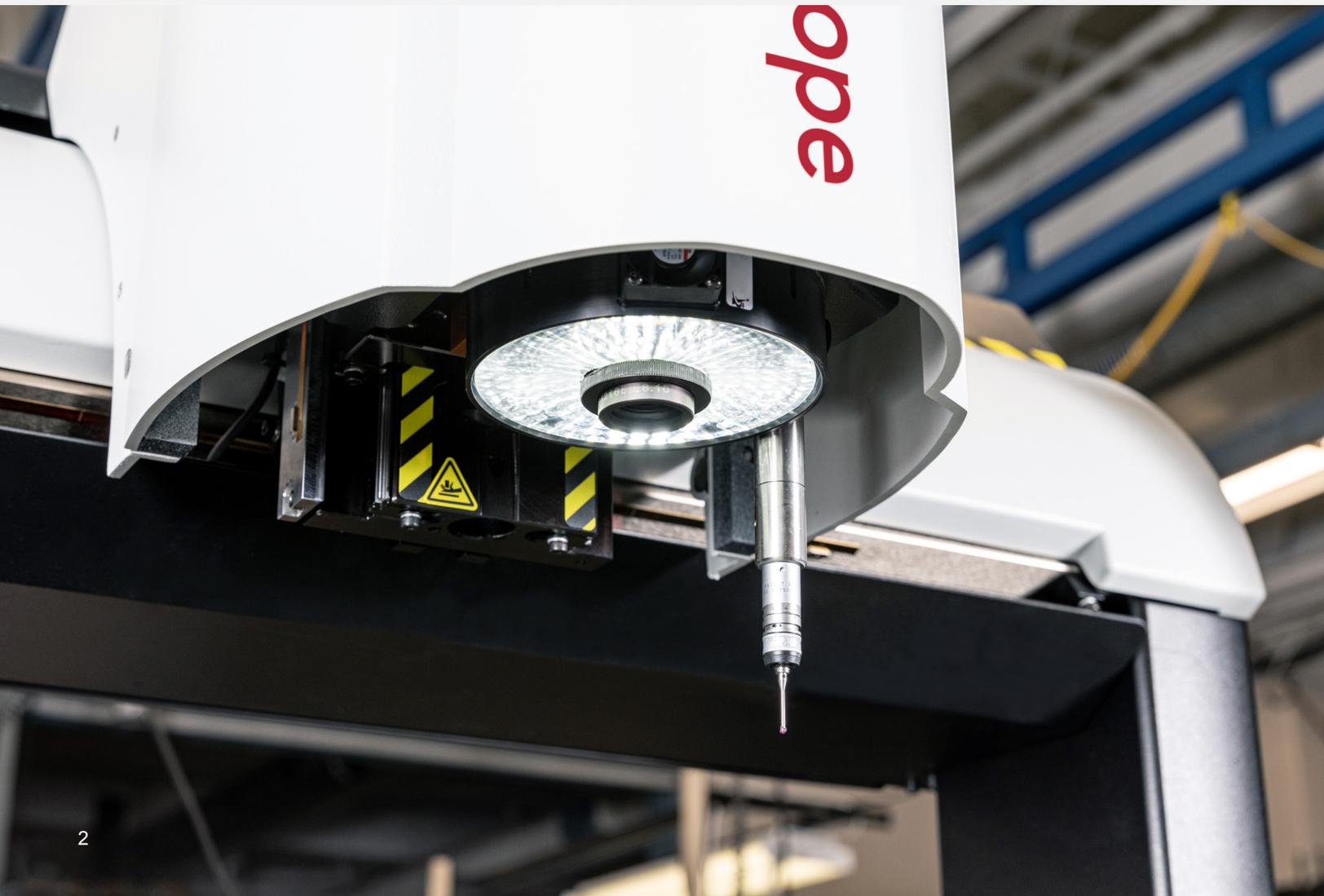
System Configurations

E7

	Standard	Optional
XYZ Travel	250 x 150 x 200 mm	Extended X axis: 300 mm

E45

	Standard	Optional
XYZ Travel	500 x 450 x 200 mm	Extended Y axis: 610 mm Extended Z axis: 300 mm

The Easy Way to High-Powered Measurements

Measure-X

From creating part measurement routines to operating an OGP® system in a production work environment, Measure-X® metrology software offers power without intimidation. Measure-X features a full set of image processing and autofocus tools, geometric functions, ANSI/ISO tolerances, easy editing, and contour fitting analysis. Measure-X is the ideal choice for general-purpose video and multisensor metrology.

Easy to Use

The screen layout of Measure-X is simple to learn and use. Measure and see results directly in the real-time video display window. The Program Toolbox is logically designed with large easily identifiable icons for direct access to measurement, construction, and analysis functions.
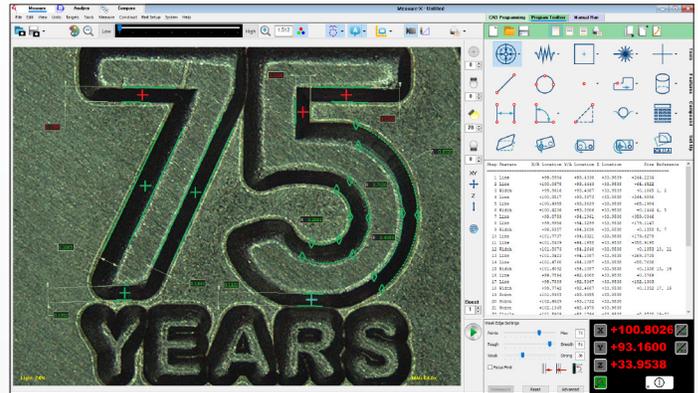
Walk-Up and Measure

Position, focus, and measure a part feature in the video window. Set axis alignments and define datums. Create constructions to define relationships between discrete part features. Each action becomes a step in a part routine you can save to repeat later automatically.

Program from CAD

Import DXF and other popular 2D CAD file formats for automatic generation of measurement routines. Simply load the CAD file and select features to be measured. Measure-X does the programming for you!

Explore a Range of Knowledge Assets to Help Guide Your Research!

Knowledge Center

Find numerous white papers, case studies, tech reports and other educational material about dimensional metrology and OGP product solutions.

You can also quickly learn about OGP technology and solutions by watching product explainer videos.

Find a Sales Rep

OGP Authorized Representatives are metrology specialists, qualified to evaluate your measurement requirements and recommend the solution that best fits your needs.

Your local representative is ready to help you with product details, demonstrations, training, or purchase information.

Confidence. When Results Matter.™

World Headquarters: Rochester, NY, USA • 585.544.0400 • www.ogpnet.com
OGP Shanghai Co, Ltd: Shanghai, China
86.21.5045.8383/8989 • www.smartscope.com.cn
OGP Messtechnik GmbH: Hofheim-Wallau, Germany
49.6122.9968.0 • www.ogpmesstechnik.de
Optical Gaging (S) Pte Ltd: Singapore • 65.6741.8880 • www.smartscope.com.sg