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Mitutoyo 542 Series Laser Hologage Measures ultra-high precision parts

(Aurora, IL) Mitutoyo's new 542 Series Laser Hologage digital gaging system employs diffracted laser beam interference to make highly accurate and repeatable measurements. The Laser Hologage features an ultra-fine diffraction grating holographically recorded on the scale. The resulting ultra-high resolution of 0.01 μ m approaches the performance of laser interferometers making the 542 Series Hologage suited to measurement of ultra-high precision parts found in the semiconductor and related industries.

High-precision linear ball bearings are used in the guide to provide extremely smooth movement and exceptional durability. The 542 Series Laser Hologage provides excellent measurement stability only minimally affected by unfavorable environmental conditions such as air movement and atmospheric pressure changes. The measuring range is 10mm and the contact point is a 0.01mm type made of R5 carbide. The Mitutoyo 542 Series Laser Hologage comes with a mountable display unit. Accessory stem fixturing is available for top or bottom surface mounting.

(more)

Mitutoyo Corporation is the world's largest provider of measurement and inspection solutions offering the most complete selection of machines, sensors, systems and services with a line encompassing CMMs (Coordinate Measuring Machines), vision, form and finish measuring machines as well as precision tools and instruments, and metrology data management software.

Mitutoyo's nationwide network of Metrology Centers and support operations provides application, calibration, service, repair and educational programs to ensure that our 6,000+ metrology products will deliver measurement solutions for our customers throughout their lifetime. Contact Mitutoyo America Corporation, 965 Corporate Boulevard, Aurora, IL 60502. Phone: (630) 820-9666 Fax: (630) 978-5394 E-mail: info@mitutoyo.com Or visit our website at www.mitutoyo.com

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