

As easy to use as an ordinary ruler . . . yet accurate to 0.0002"

The Permanent Measuring Standard

The SUPER GAGE from Data Optics is lightweight and portable, allowing precision measurements to be made at the drawing board or on the production line — on any flat surface. Just place the transparent glass scale, with 1,000 accurately placed chrome lines per inch (50 lines per mm), directly over the piece of work to be measured. Then read the scale. It's as simple as that.

Four Super Gage models are available to meet your measuring and gauging requirements — 12, 24 and 36 inch models with English scales, and a 305 mm model with a Metric scale. All models offer dual or single 40x microscopes and provide a wide field of view that is flat and dis-

ortion free. The solid aluminum body of the Super Gage is free from warp and capable of withstanding years and years of hard daily use.

Fast, Accurate Measurements

Super Gage measurements are less susceptible to human and mechanical error. Measurements are made instantly, since both the scale and the measurement area are visible simultaneously. Readings can be made directly to 0.001" (0.02 mm) and easily interpolated to 0.0002" (0.005 mm). The fine adjustment knob, with a carrier movement of 0.03" (0.8 mm) per rotation, assures quick, positive, fine-positioning of the microscopes.

DATA OPTICS, INC.

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Measuring Applications

GRAPHIC ARTS

Photography
 Artwork Preparation
 Photogrammetry
 Microphotography
 Inspection of Negatives / Prints
 Printing Plate Inspection
 Aerial Photography
 Cartography
 Reprographic Camera Alignment

ELECTRONICS

Printed Circuit Boards
 Computer Generated Films
 Thin Film & Micro-Electronic Circuitry
 Liquid Crystal Display Panels
 Integrated Circuit Mask Making

DRAFTING

Master Drawing Inspection
 Print Inspection

INSPECTION

Incoming / Outgoing
 Statistical Process Control
 Quality Assurance / Control
 X-Ray / Flaw Detection

TOOL & DIE

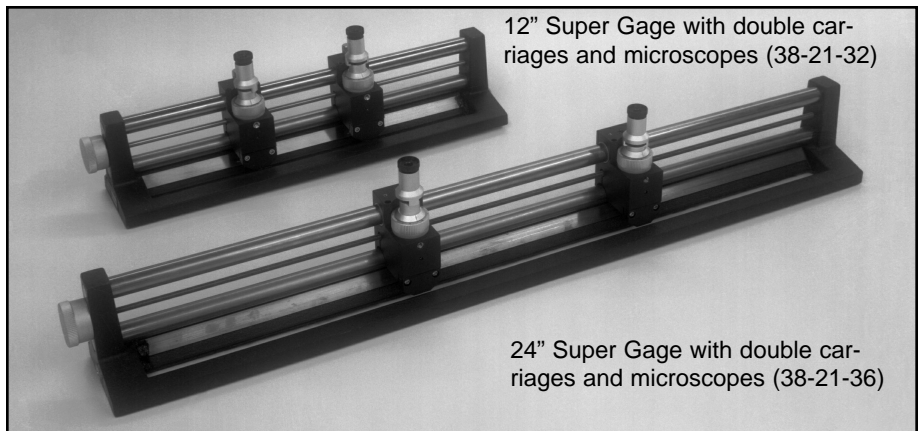
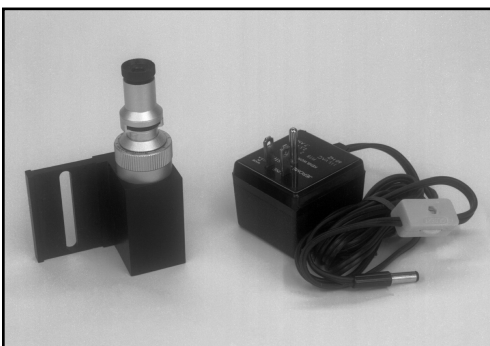
Precision Parts Measurements:
 Hole, Slot & Length Dimensions

For Multiple and Long Measurements:

Super Gage models are available with dual microscopes for quicker measurements from fixed reference points.

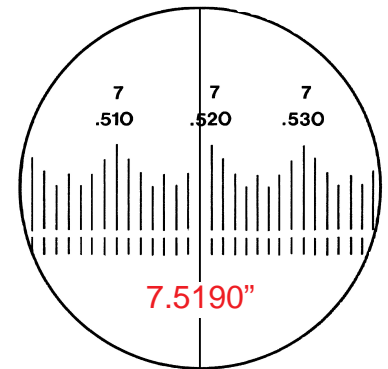
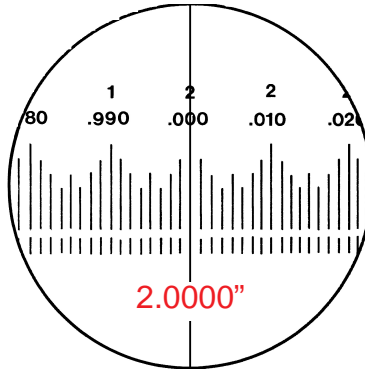
For Irregular Surfaces . . .

With the Piggyback microscope option, measurements can be made on objects over which the Super Gage cannot be directly placed. In addition, it provides increased depth of field.

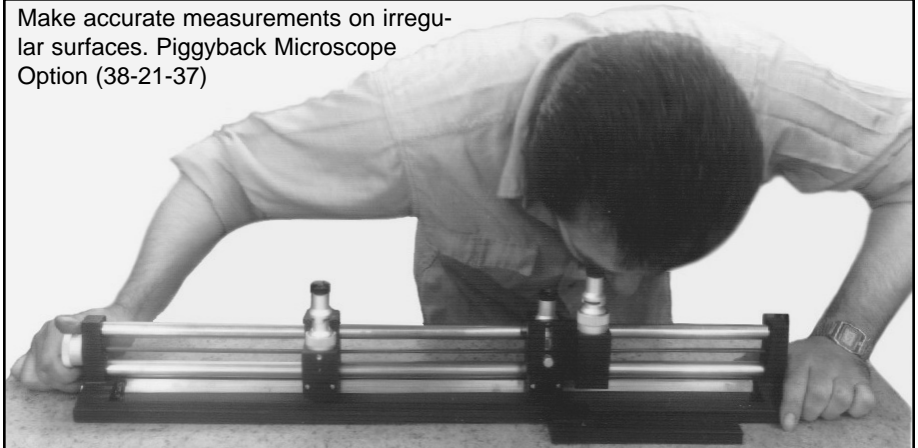


12" Super Gage with double carriages and microscopes (38-21-32)

24" Super Gage with double carriages and microscopes (38-21-36)



Make accurate measurements on irregular surfaces. Piggyback Microscope Option (38-21-37)



SUPER GAGE Specifications

	English Scale	Metric Scale
Measurement Range:	12, 24, or 36 inches	305 mm
Scale Ruling:	1,000 lines per inch	50 lines per mm
Scale Accuracy:	0.0002 of an inch	0.005 of a mm

SUPER GAGE Ordering Information

Part #	Description
38-21-32	12-inch Super Gage with dual microscopes, carriages, light attachment and power supply.
38-21-33	305 mm Super Gage with single microscope.
38-21-34	12-inch Super Gage with single microscope.
38-21-35	305 mm Super Gage with dual microscopes, carriages, light attachment and power supply.
38-21-36	24-inch Super Gage with dual microscopes, carriages, light attachment and power supply.
38-21-40	36-inch Super Gage with dual microscopes, carriages, light attachment and power supply.