

2400



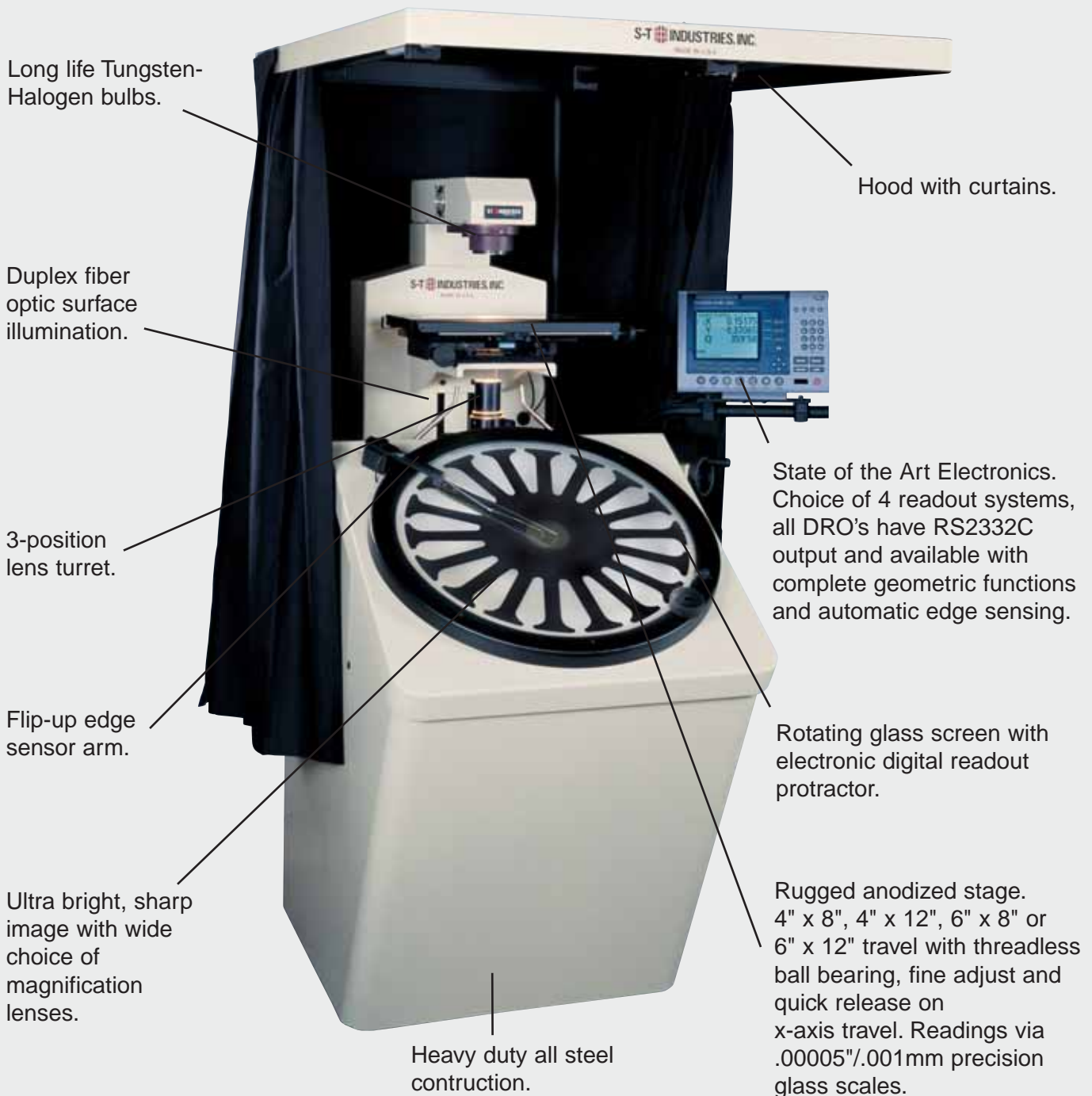
24" VERTICAL BEAM OPTICAL COMPARATOR

- **"60 Years"**
Manufacturing Experience in U.S.A.
- **"Heavy Duty"**
Steel Construction
- **"Exclusive"**
Gothic-Arch Bearings
- **"Superior"**
Optics-Brightness-Resolution
- **"Large"**
4" x 8", 4" x 12", 6" x 8" or 6" x 12" Stage Travel
- **Optional**
Stepper Motor Drive and CNC Controls

S-T  **INDUSTRIES, INC.**
SCHERR-TUMICO

See ^{the}
Quality

24" COMPARATOR The "2400" Series 24" Vertical Beam Optical Comparator features a more rugged structure, a 4" x 8", 4" x 12", 6" x 8" or 6" x 12" travel measuring stage and a 3-position lens turret. Over 60 years experience manufacturing optical comparators in the U.S., combined with its worldwide service organization makes S-T Optical Comparators your best buy.



STANDARD FEATURES



Anodized, high-precision measuring stage with 4" x 8", 4" x 12", 6" x 8", or 6" x 12" travel. Readings are via .00005"/.001mm precision glass scales. Cross travel via a threadless ball bearing, fine adjust and quick release on x-axis. All controls are easy to reach and read. Rotating glass screen with digital readout protractor, readings via "Q" axis of DRO. Frosted glass screen with 30 and 90 degree crosslines and adjustable duplex fiber-optic surface illumination. Long-life Tungsten-Halogen bulbs for both profile and surface illumination. 3-position lens turret for quick change of magnification. Units with optional fiber-optic edge sensor have NEW flip-up arm for edge-sensor cable. The "2400" series comparator is available with your choice of four digital readout systems as shown below.

Optional Power Drive Systems

*Manual control stepper drive system. Includes 2-axis joystick and fine adjust jog wheels for micro fine adjustment. Available with all DRO options.

*CNC control stepper or servo drive system. Includes 2-axis joystick and fine adjust jog wheels for micro fine adjustment.

All S-T Industries Optical Comparators include a two year warranty on parts and labor, installation and training at your facility and a certificate to NIST. There are no additional hidden costs for this service.

DIGITAL READOUTS

Quadra-Chek 221 and 221E



These powerful digital readouts provide fast geometric computations in a simple, easy to use format. Functions include point, line, circle, distance, angle, skew alignment and Measure Magic. Other features include Inch/MM, Cartesian/Polar, nearest/farthest distance, complimentary angles, serial and parallel ports and 200-feature memory. Large, high contrast LCD screen graphically displays measurement features and construction. Housing tilts backward or forward for best angle of operation. Model 221E includes fiber optic edge sensor.



Standard Digital Readout

The Standard digital readout features absolute/incremental, IN/MM conversion, random zeroing, RS232C output, linear error compensation and Q axis for digital screen protractor.



Quadra-Chek 4215

PC computer based geometric readout system, mouse driven, with on screen graphic representation of part or part segment as it is measured. Simple CAD interface simplifies constructions and part programming. Unlimited part and feature memory. Includes computer with Microsoft® Windows® fiber optic edge sensor and all functions found in the Quadra-Chek 200.

2400

FEATURES & SPECIFICATIONS

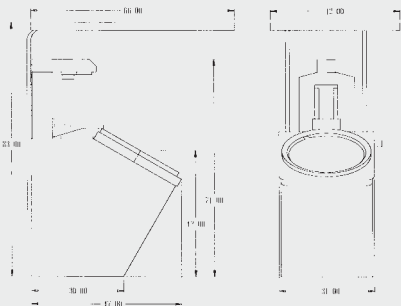


CATALOG #	DESCRIPTION
20-2400-00	24" Vertical Beam Comparator
20-4648-11	4" x 8" Stage with ST-7000 DRO
20-4648-12	4" x 8" Stage with QC-221 DRO
20-4648-13	4" x 8" Stage with QC-221E DRO
20-4648-15	4" x 8" Stage with QC-4215 DRO
20-4649-11	4" x 12" Stage with ST-7000 DRO
20-4649-12	4" x 12" Stage with QC-221 DRO
20-4649-13	4" x 12" Stage with QC-221E DRO
20-4649-15	4" x 12" Stage with QC-4215 DRO
20-4668-21	6" x 8" Stage with S-T 7000 DRO
20-4668-22	6" x 8" Stage with QC 221 DRO
20-4668-23	6" x 8" Stage with QC 221E DRO
20-4668-25	6" x 8" Stage with QC 4215 DRO
20-4669-21	6" x 12" Stage with S-T 7000 DRO
20-4669-22	6" x 12" Stage with QC 221 DRO
20-4669-23	6" x 12" Stage with QC 221E DRO
20-4669-25	6" x 12" Stage with QC 4215 DRO

OPTIONS

CATALOG #	DESCRIPTION	CATALOG #	DESCRIPTION
20-1320-00	5 x Lens	20-1315-00	25 x Lens
20-1310-00	10 x Lens	20-1318-00	50 x Lens
20-1313-00	20 x Lens	20-1321-00	100 x Lens

SPECIFICATIONS



Work Table: 10" x 14" (250 x 350 mm) or 10" x 18" (250 x 450 mm)
Measuring Range: 4" x 8" (100 x 200 mm) or 4" x 12" (100 x 300 mm)
Allowable Work Load on Stage: 25 lbs. (11 kg)
Illumination: Profile - 150w, Surface - 150w x 2
Focus Travel: 4" (100 mm)
Screen Size: 24" (600 mm)
Floor Space: 31" x 47" (785 x 1190 mm)
Electrical: 100-240v, 50/60hz
Weight: 450 lbs. (200 kg) - Crated 500 lbs. (225 kg)

THE S-T FAMILY OF OPTICAL COMPARATORS

14" & 16" HORIZONTAL



20-3500



20-1600

30"



22-5600

14" VERTICAL



20-4500



20-4600

CALL OR WRITE TODAY FOR FREE INFORMATION ON ANY OF THE ABOVE

ST INDUSTRIES, INC.

Manufacturers of SCHERR-TUMICO Precision Measuring Tools
 301 Armstrong Boulevard North
 St. James, Minnesota 56081-0517
 Phone: 1-800-326-2039 • (507) 375-3211
 FAX 507-375-4503
 E-Mail: rjf-st@prairie.lakes.com
 Internet: www.thomasregister.com/stindustries
 www.stindustries.com



International Operations

SCHERR-TUMICO optical comparators and video inspection systems are available throughout the industrialized world. S-T Industries maintains a service and distribution network with factory qualified sales and service representatives in the following countries. Call or write for your representative.

Australia	Holland	Malaysia	South America	Turkey
Greece	Italy	South Africa	Thailand	China
Israel	Singapore	Taiwan	Great Britain	Philippines
Norway	Sweden	Germany	Indonesia	Pakistan
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