

# "8600" SERIES

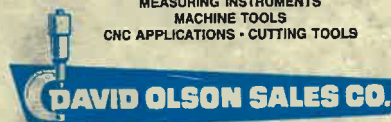
## VIDEO INSPECTION SYSTEM



- High resolution zoom optics
- Electronic crosshair
- Large 4" x 8" stage travel
- "Z" axis available
- "50 years" manufacturing experience in USA
- Optional video edge detection and CNC Control



MEASURING INSTRUMENTS  
MACHINE TOOLS  
CNC APPLICATIONS • CUTTING TOOLS

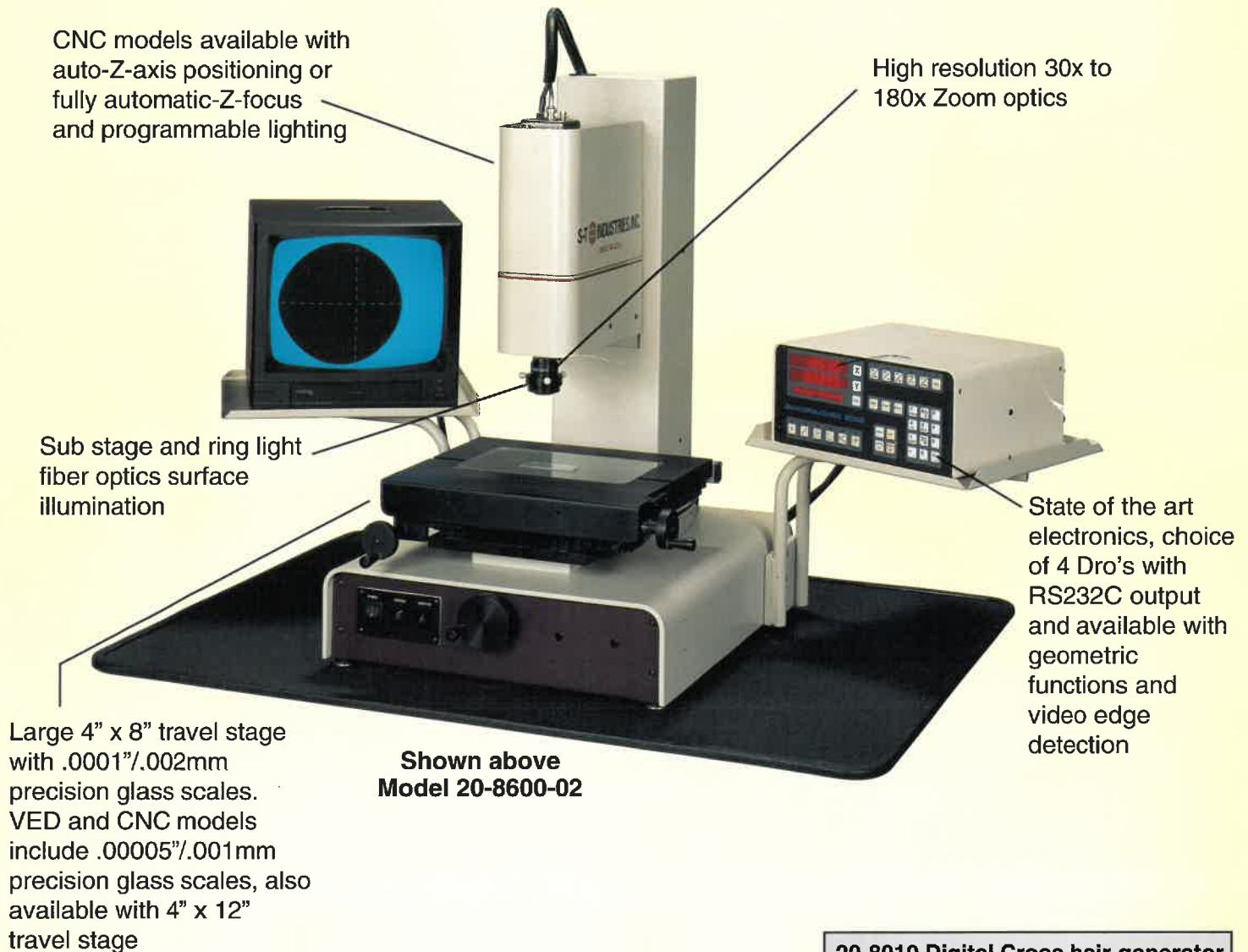


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# "8600" SERIES VIDEO INSPECTION SYSTEM

The "8600" Series Video Inspection System from S-T Industries is the perfect alternative to the Optical Comparator. High Magnification, precision zoom optics provide a superior image with a 4" x 8" or 4" x 12" travel stage, available with 4 readout systems, cross hair generator or video edge detection, and manual or CNC 2-axis or 3-axis systems for greater flexibility. Combined with over 50 years of manufacturing experience in the U.S. makes S-T Video Inspection Systems your best buy.



New digital cross hair generator 20-8010 is standard with the 8600 series video inspection system. The cross hair generator has 3 modes of operation - black, white and auto. In auto mode, the line will change from black to white or white to black as center crosses an edge. Three settings for line type - solid, dashed or dashed with center point - **an S-T exclusive.**

**20-8010 Digital Cross hair generator**



# DIGITAL READOUT SYSTEMS FOR ELECTRONIC CROSSHAIR GENERATOR MODELS



## STANDARD DIGITAL READOUT ST 7000

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



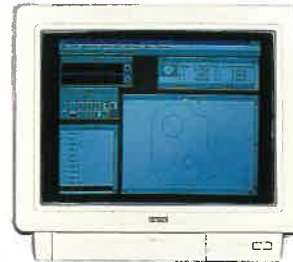
## QUADRA-CHEK 2200

These powerful digital readouts provide fast geometric computations in a simple, easy to use format. Functions include radius, angle, relative, polar or cartesian, skew alignment, complimentary angles, IN/MM conversion, 100 position memory, absolute/incremental and RS232C output.



## QUADRA-CHEK 3200

Menu-driven VIDEO digital readout provides the ultimate in computing power for routine or sophisticated optical comparator measurements. Geometric calculations and feature relationships are displayed on an easy to use video screen complete with HELP available for every function and RS232C output.



## QUADRA-CHEK 4200

New, 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®, and all functions found in the Quadra-Chek 3200. Optional video edge detection and CNC control.

# DIGITAL READOUT SYSTEM FOR VIDEO EDGE DETECTION AND CNC MODELS

Includes QUADRA-CHEK 4200 with the following mouse controlled measuring tools:

## Tools Include:

### \*SIMPLE TOOL

A single line tool used in finding a single point. Also used as one of the principle tools for calibration.



### \*NEAREST EDGE TOOL

A block tool used in finding the nearest X and Y coordinates of an edge.



### \*FARTHEST EDGE TOOL

A block tool used in finding the farthest X and Y coordinates of an edge.



### \*AVERAGE EDGE TOOL

A block tool used in finding the average X and Y coordinates of an edge.



### \*CIRCLE TOOL

One 8 point coordinate sensing tool used in finding the diameter and center X and Y coordinates of a circle. Also used as one of the principle tools for calibration.



### \*BUFFER TOOL

A block tool used in finding a defined number of X and Y coordinates of an edge. The number of points it will deliver to the DRO is defined by the BUFFER LIMITS function.



### \*MANUAL CURSOR

A cross hair tool with tails used to find the center of a circle or to simply stake a point. When increased to full screen size, it eliminates the necessity of a cross hair generator.





# "8600" SERIES VIDEO INSPECTION SYSTEMS

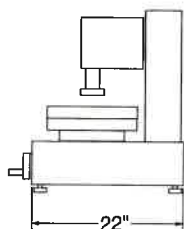
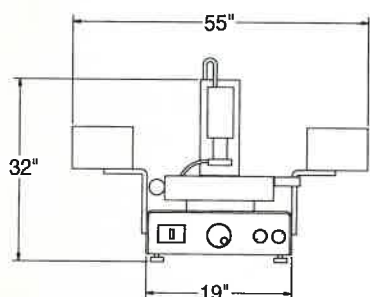


## CATALOG NO.

## DESCRIPTION

20-8600-01	Video System w/ST-7000DRO and Crosshair
20-8600-02	Video System w/QC-2200DRO and Crosshair
20-8600-03	Video System w/QC-3200DRO and Crosshair
20-8600-04	Video System w/QC-4200DRO and Crosshair
20-8700-00	Video System w/QC-4200DRO and VED
20-8800-00	CNC System w/QC-4200DRO and VED
OPTIONS FOR CNC SYSTEMS	
20-8820-00	Z-Axis Positioning (3-Axis CNC)
20-8830-00	Video Automatic Focus (3-Axis CNC)
20-8840-00	Programmable Lighting

## SPECIFICATIONS



**Work Table:** 10" x 14" - Black Anodized

**Measuring Range:** (X)-8" (Y)-4" (Z)-5"

**Allowable Work Load:** 25 lbs.

**Illumination:** Profile - 100W-12V

Surface - 100W-12V

**Magnification Lens:** 30-180X Zoom

**Electrical:** 100-240 V, 50/60 Hz Compatible

**Weight:** Manual 180 lbs. Crated 215 lbs.  
CNC 240 lbs. Crated 285 lbs.

## THE S-T FAMILY OF

14" HORIZONTAL



**20-3500  
STANDARD**



**20-3600  
HEAVY DUTY**



**22-5600  
HIGH PERFORMANCE**

## OPTICAL COMPARATORS

14" VERTICAL



**20-4500  
BENCH MODEL**



**20-4600  
BENCH MODEL**

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

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