



ACU-GAGE SYSTEMS

The World of Video Based Measurement

Model	Sizes	Applications	Industries
Acu-Gage I <i>single-axis</i> QC2000 Standard	12" to 120" & special	Low volume print, print to cut registration, web width, tooling setup, slit products, dimensional stability of film & substrates	Corrugated Boxes Diecutting Diemaking Flex Circuits Labels
Granite Bench Top <i>two/three-axis</i> QC2000 Standard	12" X 12"	Low volume machined, stamped, molded, extruded, printed parts	Aerospace Automotive Connectors Electronic Medical
High Precision Line <i>two/three-axis</i> QC4000 Standard	8" X 8" 12" X 12" 24" X 24"	High volume lead frames, interconnects, chip packaging, electronic components, plastic molded parts, roller bearings	Aluminum Extrusion Cable & Wire Diecutting Injection Molded Plastic Medical Semiconductor
High Speed Line <i>two/three-axis</i> QC4000 Standard	24" X 24" to 48" X 72" & specials	High volume large parts, requiring accuracy & throughput	Gaskets Labels Precision Sheet Metal Printed Circuit Boards Shielding Soft Rubber

Standard

Manual QC2000

Quadra-Chek 2000 microprocessor-based digital readout display with electronic part alignment, full geometric computing, polar/cartesian coordinates, datum memories, inch/millimeter conversion, part programming capability, and RS232 serial port.

Benefit: Used for first article layout applications & random inspections

Options

QC4000

Turnkey Windows™-based metrology software and personal computer system. Mouse driven software with graphical part representation, zoom capability, color coded pass/fail with audio alert, and part view print out. Automatic guiding of operator through measurement sequence, stored programs including nominals and tolerances, data storage for interface to/from CAD or other external programs. Includes a Pentium personal computer fully interfaced to the QC4000 software. Includes non-linear error correction.

Benefit: Allows programming of nominals and tolerances for pass/fail measurements. Prompts operator for stage movements and gives two way DXF interface.

Video Edge Detection

Capable of edge detection in either profile or surface illumination. Improves speed and ensures reliability and repeatability of dimensional measurements. Includes calibration standard and programmable surface illumination.

Benefit: Automates point entry. Gives more points per measurement, which increases accuracy and repeatability. Eliminates operator bias.

CNC

Fully programmable 2-Axis drive motors with a manually controlled joystick.

Benefit: Automates stage movement for hands-free operation. Ideal for high volume measuring applications (PPAP's & SPC capability studies).



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