



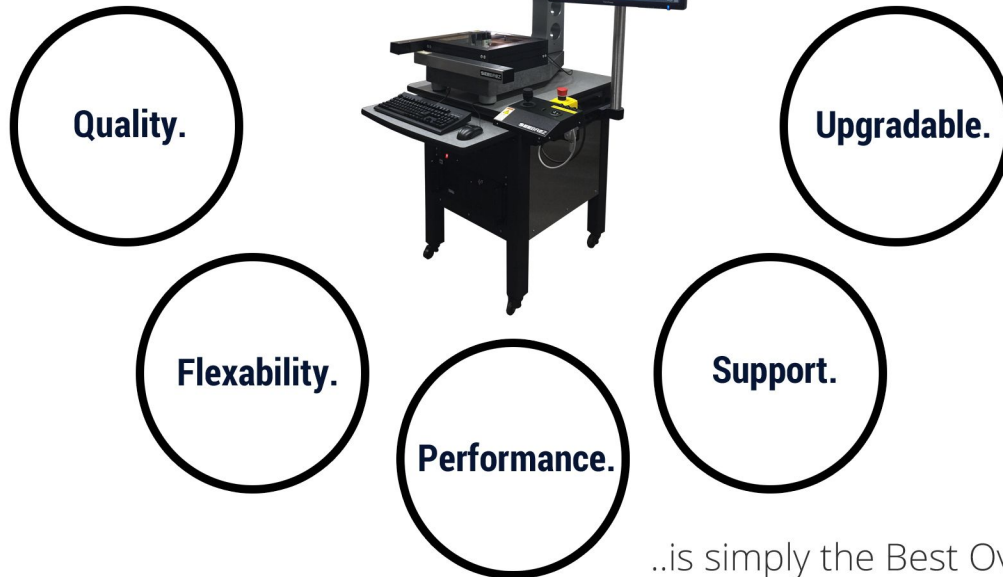
Measure and Inspect
Dimensions,
Position,
Features and Form

SEEBRĒZ

2D/3D Video Multisensor CMM

First Article Inspection
Image & Data Archival
Reverse Engineering
Process Control

We believe our..



..is simply the Best Overall Value.

Who is Quality Control Solutions, Inc.

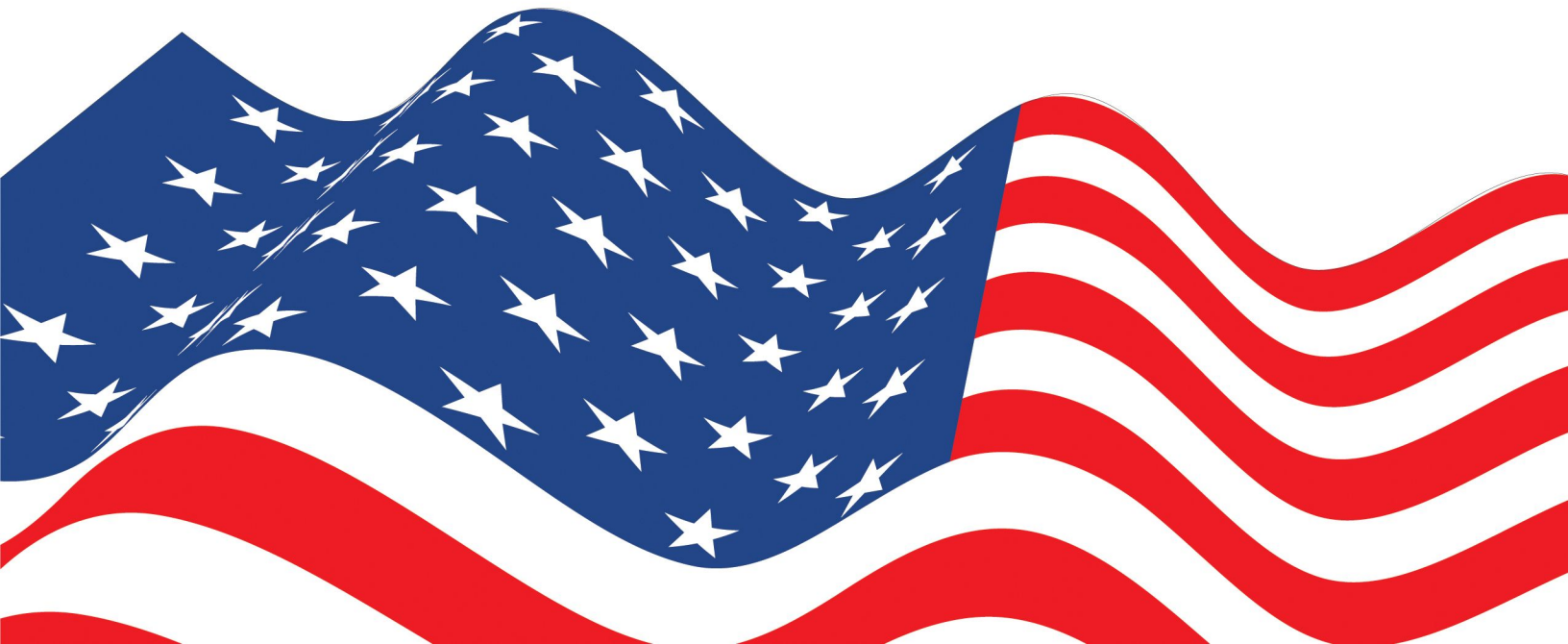
Quality Control Solutions, Inc. is a design and manufacturing company providing products and solutions for a variety of measurement and inspection requirements in the world of manufacturing for over 35 years. We have engineered our SEEBREZ 2D/3D Video Multisensor CMM to be more reliable and longer lasting than any other systems you may have owned in the past. SEEBREZ is proudly manufactured in the USA.

Why Quality Control Solutions, Inc.

With thousands of systems installed around the globe, our customers include manufactureres from a wide range of industries including Medical, Dental, Aerospace, Automotive, Telecommunications and many others.

Support Network

QCSI products and systems are backed by a responsive network of factory direct technicians and factory trained distributors located throughout the US and other countries through out the world, to offer you outstanding user support, and system maintenance and calibrations.



So why **SEEBRÉZ**

2D/3D Video Multisensor CMM

Each Seebrez is engineered with a building block foundation. This design feature allows the customer the opportunity to choose a system that is capable for their current measurement and inspection requirements while maintaining their financial budget and up-grade capability.

You may choose 1, 2 or all 3 sensors

Video Probe

Complete with camera mounting
High resolution CCD color camera
Programmable 12:1 zoom lens and
up to 8 light sources.



Touch Probe

Full 3-D measurement functionality.
Includes all wiring, mounting and interface.
Touch Probe Options:

- TP2
- TP20
- PH10 Programmable articulating head
- Auto tool changer available



Laser Probe

A eye-safe laser beam, allowing measurement of hard to measure geometries from sub-microns levels with high resolution and reproducibility.

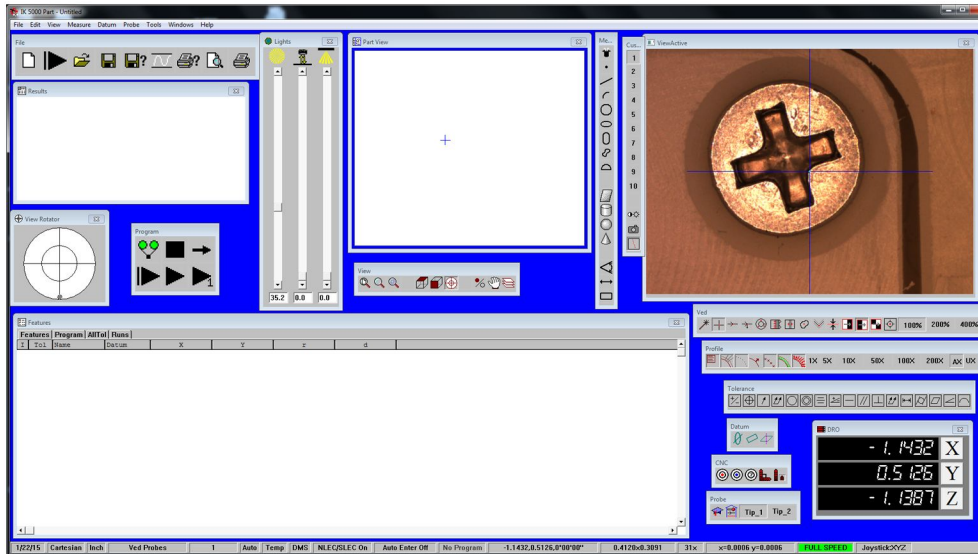
- ✓ Solid granite base for superior machine stability.
- ✓ Solid billet aircraft aluminum.
- ✓ Advanced metrology software.
- ✓ Programmable 12: 1 zoom lens.
- ✓ High resolution color image.
- ✓ Single or dual monitor setups.
- ✓ Machine resolution .0005mm standard
- ✓ .0002mm and .0001mm optional.
- ✓ Manual to Fully Automated options

>>Learn more @ qc-solutions.com



Intelligent Software...

...making the once impossible perfect.



IK5000 advanced metrology software is the prime control interface for our precision multi-sensor measuring systems, providing a commanding solution to empower operators along every step of the measurement process. Powerful features reduce repetitive measurements and simplify complex work steps, with the ability to utilize Video Edge Detection (VED) for enhanced throughput. IK5000 features intuitive drag-and-drop data fields, macros and database templates, plus programming and automation tools.

- ✓ Precise measurement and inspection of 2D and 3D parts
- ✓ Intuitive interface and intelligent time-saving functions
- ✓ Drag and drop data fields, macros, database templates, programming
- ✓ Time-saving automation tools to accelerate measurement and complex workflows
- ✓ Import CAD files to automatically create part programs
- ✓ Integrated simple Statistical Process Control (SPC)
- ✓ Custom formulas
- ✓ Fitting to DXF files
- ✓ Software training and support by qualified application engineers



Technical Specifications

Accuracy

(X or Y) $E1 = 1.0 + 5L/1000 \text{ } \mu\text{m}^*$

(XY) Axis $E2 = 1.5 + 5L/1000 \text{ } \mu\text{m}^*$

(Z) Axis $E1 = 3.5 + 5L/1000 \text{ } \mu\text{m}$ with standard auto focus zoom lens*

$E1 = 2.5 + 5L/1000 \text{ } \mu\text{m}$ with optional 2.0x lens attachment*

*L = measuring length in mm. Applies to thermally stable system at 20° C maximum zoom lens setting, and even distributed 5 kg load. Depending on stage loading, accuracy of at maximum rated load may be different than the standard accuracy.

Magnification

Capable of up to 540x

Optics

12:1 programmable zoom lens

0.5x, 1.5x and 2.0x lens attachments optional.

Measuring Stage

Anodized aluminum work surface with fixture holes and removable stage glass.

DC stepper drives with variable speed joystick control.

Scale Resolution

0.5 μm (0.00002") standard 0.1 μm (0.000001") optional

Load Capacity

65lbs

Measuring Ranges (X, Y, Z)

6" x 6" x 6" (150 x 150 x 150 mm)

12" x 6" x 6" (300 x 150 x 150 mm)

12" x 12" x 6" (300 x 300 x 150 mm)

24" x 12" x 6" (600 x 300 x 150 mm)

24" x 24" x 6" (600 x 600 x 150 mm)

12" (300 mm) Z-axis optional

Custom sizes available

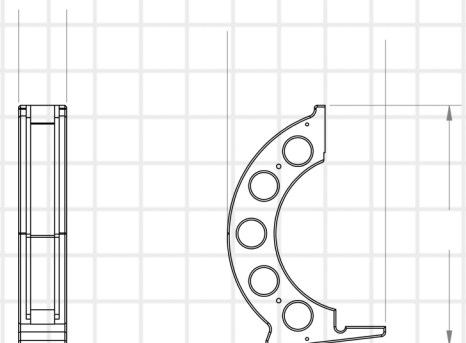
Illumination

Fiber-optic on-axis light, bottom light, ring light.

Choose up to 8 light sources. optional

Warranty

2 Year Warranty



SEEBREZ 6" x 6" x 6"



SEEBREZ 12" x 6" x 6"



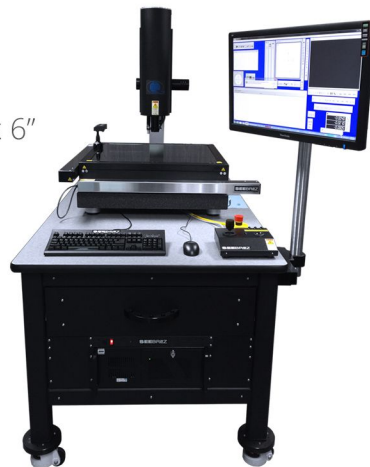
SEEBREZ 12" x 12" x 12"



SEEBREZ 24" x 12" x 6"



SEEBREZ 24" x 24" x 6"



Quality Control Solutions, Inc.

ISO/IEC 17025:2005



Providing measuring tools which make the once impossible - Perfect.

Distributor:

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@ qc-solutions.com



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