

MEASUREMENTS for all MATERIALS

From: 20L/cm : 51 LPI

To: 800L/cm : 2000 LPI

Show results for:

- Depth, Wall Width, Volume, Angle
- Screen Count, Number of Cells

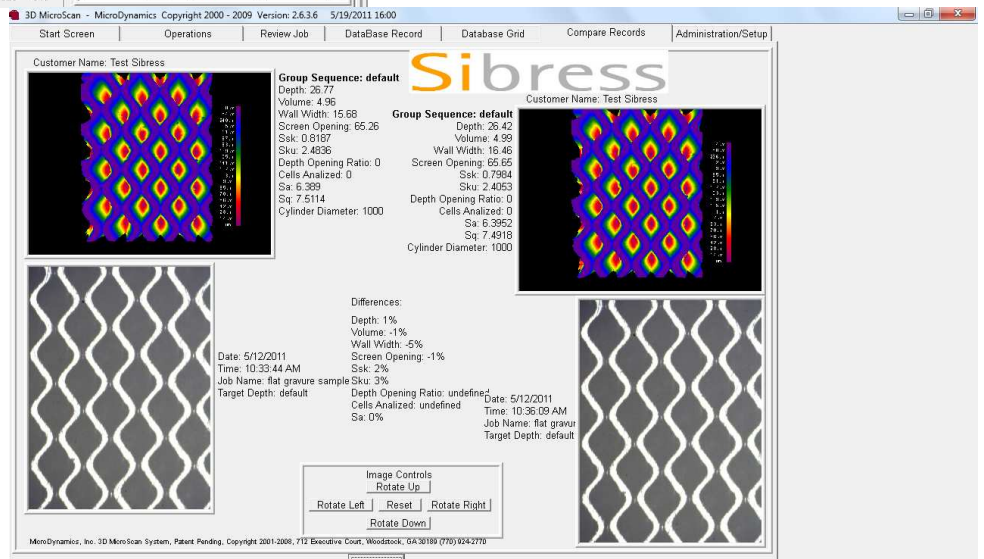
But also:

Values for Surface Roughness

- Surface Roughness in average + Standard Deviation
- Skewness, indicates asymetry of surface
- Skurtosis measures spikiness of surface, distribution of spikes above and below of the mean plane

KEY BENEFITS

- Easy to operate
- All information on screen, graphical and numerical
- Have results on screen in < 60 Secs
- Safe / print all measured results
- Compare data and image results
- All important information on one screen



| TECHNICAL SPECIFICATIONS | | | |
|--------------------------|--|----------------------------|--|
| System | Technology Non Contact White Light Interferometry Field of View 86x64µm to 1411x1058µm Illuminator One Watt white -light LED Fine focus travel 20mm of travel Camera Industrial VGA 24bit color Dimensions 216x203x89mm 4,33kg Input Voltage 100/240VAC,50/60Hz Computer High Performance Dual Core CPU 2GB RAM, 2 GB Harddisk Software MicoDynamics' µScan | Performance | Vertical Scan Range <= 500µm Vertical Resolution <= 10nm Lateral Resolution 0.13 to 2.21 µm, objective dependent Data scan rate <= 20µm/ sec Step Height Accuracy <= +/- 0,5% Repeatability ≤ .05% @ 1σ |
| Accessories | Objectives Infinite Conjugate Interferometric objectives 2x, 4x, 10x, 20x, 40x Measurement Standards Lateral Calibration standard Precision lateral calibration standard SIC referance reference flat | Environmental Requirements | Temperature 15 to 30° C Rate of Temp. Chang < 1.0° C per min. Humidity 5-95% relative, noncondensing Vibration Isolation Required for vibration frequencies in the range of 1 Hz to 120Hz |
| | | Data Presentation | GUI Screen presentation of results Printable Single and Multi page Customized Format Customizable Repaorts |



Karwendelstrasse 24 ° 82319 STARNBERG ° Germany
 Tel.: +49 (0) 8151 5508522 ° Mobil: +49 (0) 152-277 39 771
 marketing@sibress.com www.sibress.com



The **3DQC** is unmatched in accuracy, speed of operation and ease of use. The accuracy is 10 times that of systems using focusing techniques, and nearly twice as fast. Thus, a better answer, faster. The **3DQC** can distinguish a 6.2 from a 6.1 whereas a +/-5% instrument can not distinguish a 6.6 from a 6.0. This provides better color balance and therefore a better final product while saving on down time. The **3DQC** provides functions for anilox, gravure, flexo-plate, etched gravure, laser gravure, and surface roughness. Easily switch between high contrast microscopic viewing and interferometry. The system automatically saves both types of images along with data to create stunning report documents.

Accurate Repeatable Measurement

3DQC Inspection Microscope

When profits are on the line, seeing may be believing, but accurate repeatable measurements are the proof. The MicroDynamics **3DQC** Inspection Microscope uses superior interferometry technology, and is unmatched in speed of operation, ease of use and accuracy. Cell volume measurements are repeatable to within +/- 1%, something that cannot be achieved with focusing techniques. And while other instruments might settle for simple cell volume calculation, results with the **3DQC** are

Ideal for anilox, gravure etched gravure, and laser gravure, the **3DQC** is a truly versatile instrument; it also provides complete surface roughness analysis and visualization of surface topography.

Always matching and often exceeding the results and capabilities of far more expensive confocal instruments, you can not afford to be without the **3DQC** Inspection Microscope. Add one to your business today, and start improving your bottom line tomorrow.

3DQC Benefits Summary

- Rapid ROI – measured in weeks, not months or years
- Accurate and repeatable to +/- 1 %
- Versatility – One instrument for all your measurement needs
- Non-Contact surface measurement
- Cell volume is measured, not calculated

