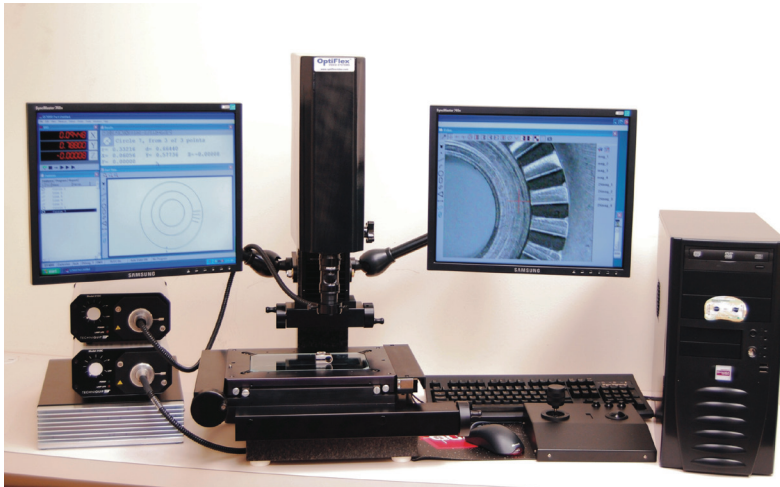




ULTRAFLEX 5000 SERIES "GRANITE Z" VIDEO INSPECTION & MEASUREMENT SYSTEMS



Flexbar introduces UltraFlex, its most powerful software-based series of video measurement and inspection systems. UltraFlex systems combine high accuracy measurements, repeatable edge detection, video documentation and electronic communications into a powerful inspection tool. System packages available in manual, motorized and CNC controlled formats. All systems available in 8" x 4" (200mm x 100mm) and 12" x 12" (300mm x 300mm) formats.

UFX-5310 with Twin Arm Upgrade

All UltraFlex systems utilize the easy-to-use icon-driven Heidenhain 5000 software. System packages are available in manual, motorized and CNC controlled formats.

SYSTEM FEATURES:

- Solid granite frame guarantees strength, accuracy and stability
- Superb full-color high resolution image with zoom optics
- Precision 4 x 8 crossed roller bearing stage (larger size available in 12 x 12 format)
- Systems supplied with either 2 micron or 1 micron high accuracy scales. Call for .5 or .1 micron specials.
- Motorized and CNC control of X, Y, and Z axes
- Standard magnification of 30X to 200X with optional auxiliary lenses to increase or decrease magnification
- Programmable lighting included
- Z-axis measurement with auto-focus is standard on 5300
- Adjustable lens mount dovetail on granite Z column
- Tooling holes on stage plate for fixturing
- LED lighting available
- Powerful Pentium computer running Windows 7 included
- Easily upgraded from manual to motorized/CNC control

SOFTWARE FEATURES:

- Easy-to-use icon driven Quadra-Chek 5000 software
- Repeatable Video Edge Detection tools which remove operator uncertainty with sub-pixel accuracy
- Powerful feature recall, construction, and skew features
- Combine on-screen measurements with stage-based measurements
- Manual part programming
- Tolerancing with pass/fail results
- Automatic data collection with customized report generation
- Real-time link to SPC
- Image capture and annotation
- E-mail and video print for documentation
- Live image overlay comparison with CAD import/export

SYSTEM VERSION	W/MANUAL STAGE (MODEL NO.)	W/2 AXIS CNC CONTROL (MODEL NO.)	W/3 AXIS CNC CONTROL & AUTOFOCUS (MODEL NO.)
Ultra-Flex QC5000, 8 x 4 Measurement System, 2 micron	UFX-5100	UFX-5200	UFX-5300
Ultra-Flex QC5000, 8 x 4 Measurement System, 1 micron	UFX-5110	UFX-5210	UFX-5310
Ultra-Flex QC5000, 12 x 12 Measurement System, 2 micron	UFX-5100-12	UFX-5200-12	UFX-5300-12
Ultra-Flex QC5000, 12 x 12 Measurement System, 1 micron	UFX-5110-12	UFX-5210-12	UFX-5310-12

OPTIONAL UPGRADES:

MODEL NO.	DESCRIPTION
18-TWINARMUP	Dual Arm Support System for monitor and DRO (as shown above)
18-LEDUP	Tri-Color LED lighting upgrade
18-BENCH-TPX	Custom System Bench setup