

EL-Series Revision B

Next Generation Electronic Level Wafer

Soon to be the most used item in your toolkit! Keep all your equipment “on-the-level” with MicroTool Technology’s electronic level wafer.

Matching the weight of a silicon wafer, this versatile tool’s design allows use on end effectors and wafer handling blades as well as in wafer cassettes and quartz boats. The simple-to-use display allows you to level to earth or to your own user-defined reference plane. Intuitive graphics and touch screen simplify operation, while the remote real-time display is convenient for remote adjustments.



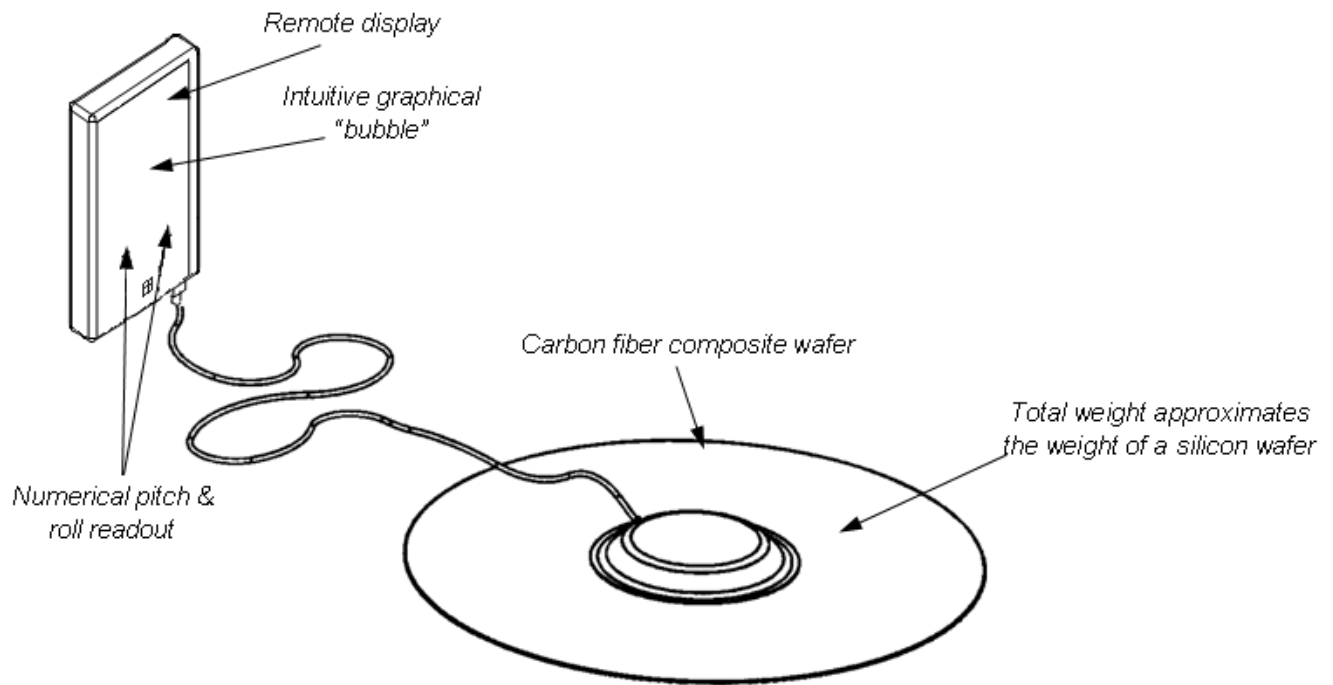
- > EL-3003 wafer shown with handheld tablet

Features:

- > 2-Axis electronic level for leveling to ground or to a learned reference
- > Numerical readout for both pitch and roll allows for statistical analysis and calibration to specification
- > Intuitive graphics screens and touch screen tablet simplify operation
- > Adjustments can be made conveniently using the remote real-time display
- > Carbon fiber wafer mimics the geometry and weight of a silicon wafer
- > High resolution, high accuracy electronic level
- > Low profile – fits through more slit valves
- > Fast settling time
- > Settable tolerances w/ graphical pass/fail indication
- > Improved data logging allows dynamic studies and facilitates monitoring equipment over time

Benefits:

- > Save time aligning equipment
- > Increase yield and throughput
- > Solve root-cause handling issues
- > Eliminate wafer scratches
- > Increase MTBF



Specifications

DESIGN

- Highly sensitive electronic level
- Numerical readout of pitch and roll
- Remote display can be seen from point of adjustment
- User can define a reference plane
- Part weight approximates weight of silicon wafer

Form Factor	Product Number
150mm	EL-1503 Rev B
200mm	EL-2003 Rev B
300mm	EL-3003 Rev B
450mm	EL-4503 Rev B
1" X 3" X 3" Block	EL-5003 Rev B
Reticle	EL-5003-Reticle Rev B

OTHER

- Accuracy:** ± 0.02 degrees near zero
- Repeatability:** ± 0.01 degrees
- Resolution:** 0.001 degrees
- Total range:** ± 8 degrees
- Shipping weight:** 3 kg (6 lb)

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