

# Thickness Gages

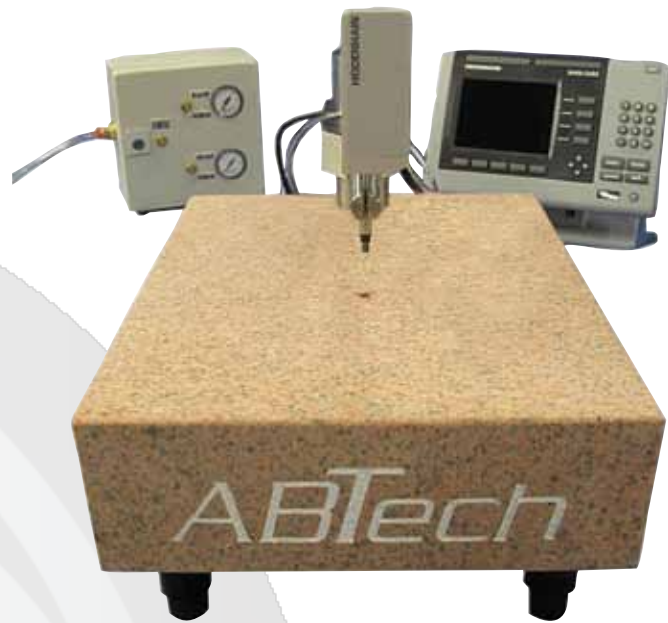
## Dimensional Comparison Measurements

### Compact Precision Dual Plane Systems

**ABTech's** thickness comparative gages use air actuated force probes to measure thickness in two planes with position accuracy to 20 micro-inches (0.5 micron). The two probes combine to measure more accurately than a single probe and allow the gage to measure thicknesses of parts with contoured or recessed undersides.

Each gage comes with a pneumatic control box and high-resolution digital display for easy setup and one-touch measurements. Combine with custom part-holding and alignment fixtures to speed up the setup and measurement process. Thickness gages are available in various probe travel ranges and resolutions to accommodate many part sizes.

As comparative measurements to calibrated master gage blocks, ABTech's compact thickness gages are essential tools for measuring finished dimensions on optical lenses, semiconductor wafers, and other machined or laminated substrates.



Model #TCG25 Gage

#### Features:

- Gage system accuracies to 20 $\mu$ " (0.5 $\mu$ m)
- High resolution digital read out
- Air operated probes with adjustable tip force
- Compact sealed pneumatic controller
- Individual or simultaneous probe activation
- Thermally stable inspection grade "pink" granite surface plate
- Options include:
  - Calibrated gage blocks for reference mastering
  - Additional probes and gage posts
  - Custom part-holding and alignment fixtures
  - Special probe sizes for larger part ranges
  - Custom granite sizes and welded steel base frames