PRODUCTION
ESTD SERVICE CO 1952

TIPS FOR BETTER MEASUREMENT PART 2

5. All comparative devices should have their settings checked against the master after a reading is taken.

6. Long range comparative devices that typically check several sizes from a single setting must be mounted carefully on their stands. This is to ensure that spindle travel is normal to the anvil or worktable to avoid cosine errors.

7. The way a device contacts an item being measured can lead to wide variations in readings as can variation in measuring force. Errors in flatness and/or parallelism in flat contacts can also make a significant difference. Make sure your equipment re-calibration procedure takes them into consideration.

8. Do not accept computer programs as complying with the standards you need to work to. Always refer to the original standard. Your calibration system should include verification of any computer programs you are using that will effect accept/reject decisions or measurement results.