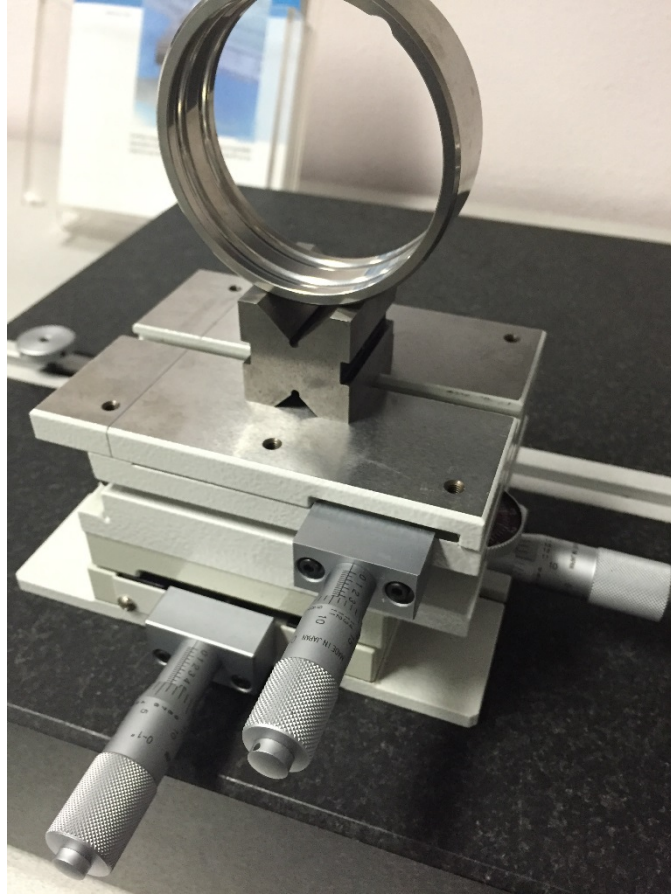# Mitutoyo Quick Guide to Surface Roughness

7 Ways to Increase Roughness Measurement Efficiency

1. Multiple workpiece batch measurement*

Mitutoyo Y-axis table enables efficient, automatic measurement of multiple aligned workpieces and multiple points on a single measurement surface. *Y-axis tables are compatible with Mitutoyo CV, SV, SV-C, and CS models. These descriptions are Mitutoyo specific. Can the descriptions be made more general? Educate the customer first rather than selling.
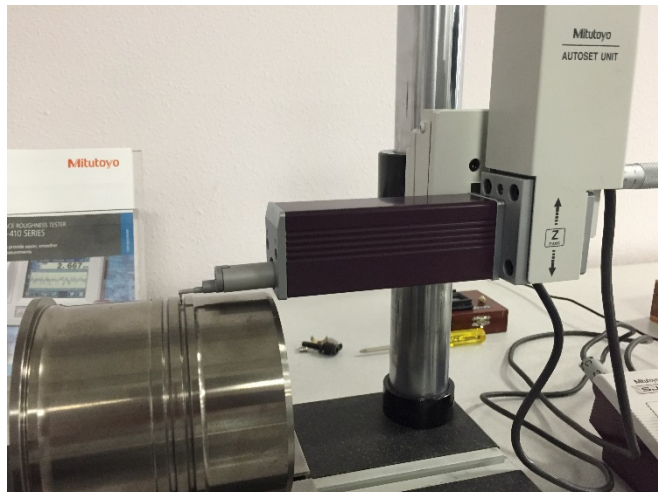
2. 3-axis adjustment table

Mitutoyo offers manual, digital, and automatic leveling tables that quickly and accurately level your flat or cylindrical workpiece.

3. Fixtures

    a. Fixturing parts large and small with a chuck, clamp, or vice allows the operator to quickly and efficiently load parts for improved repeatability.
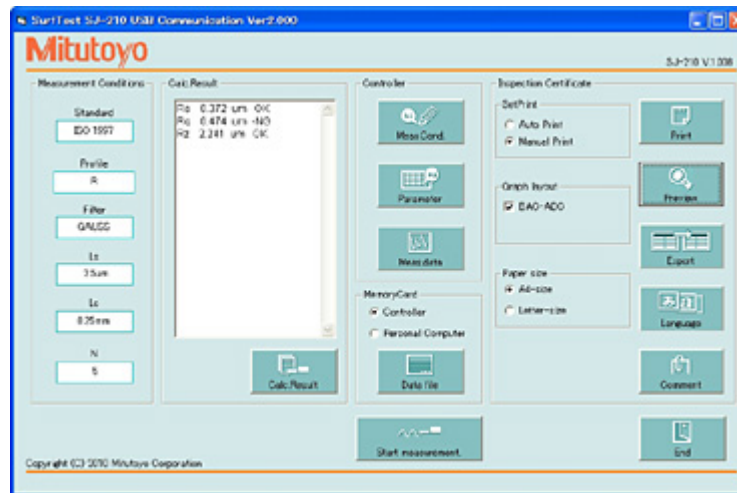
4. Column Stand

Auto-set unit, tilting adjustment unit, X-axis adjustment unit,

5. **Wireless output with U-WAVE**

a. All digital Mitutoyo equipment can transfer its data to a PC via cable or wireless connection. A U-WAVE transmitter can be attached to your gage to wirelessly send data to Excel or SPC software such as MeasurLink.

6. **Free SJ Software**

a. Set parameters, print report in excel, set speeds, and cutoffs all for free.

7. Process control

a. Checking surface roughness can indicate tool wear on mills, lathes, grinders, and honing and lapping operations.