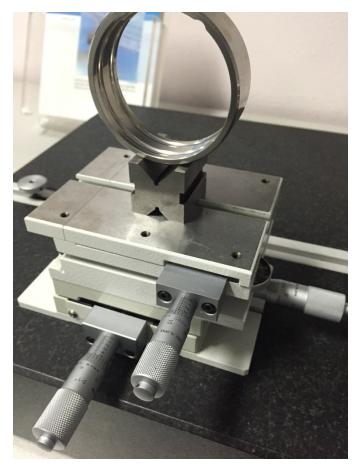
# Mitutoyo Quick Guide to Surface Roughness

## 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

**Q.** 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

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- 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.