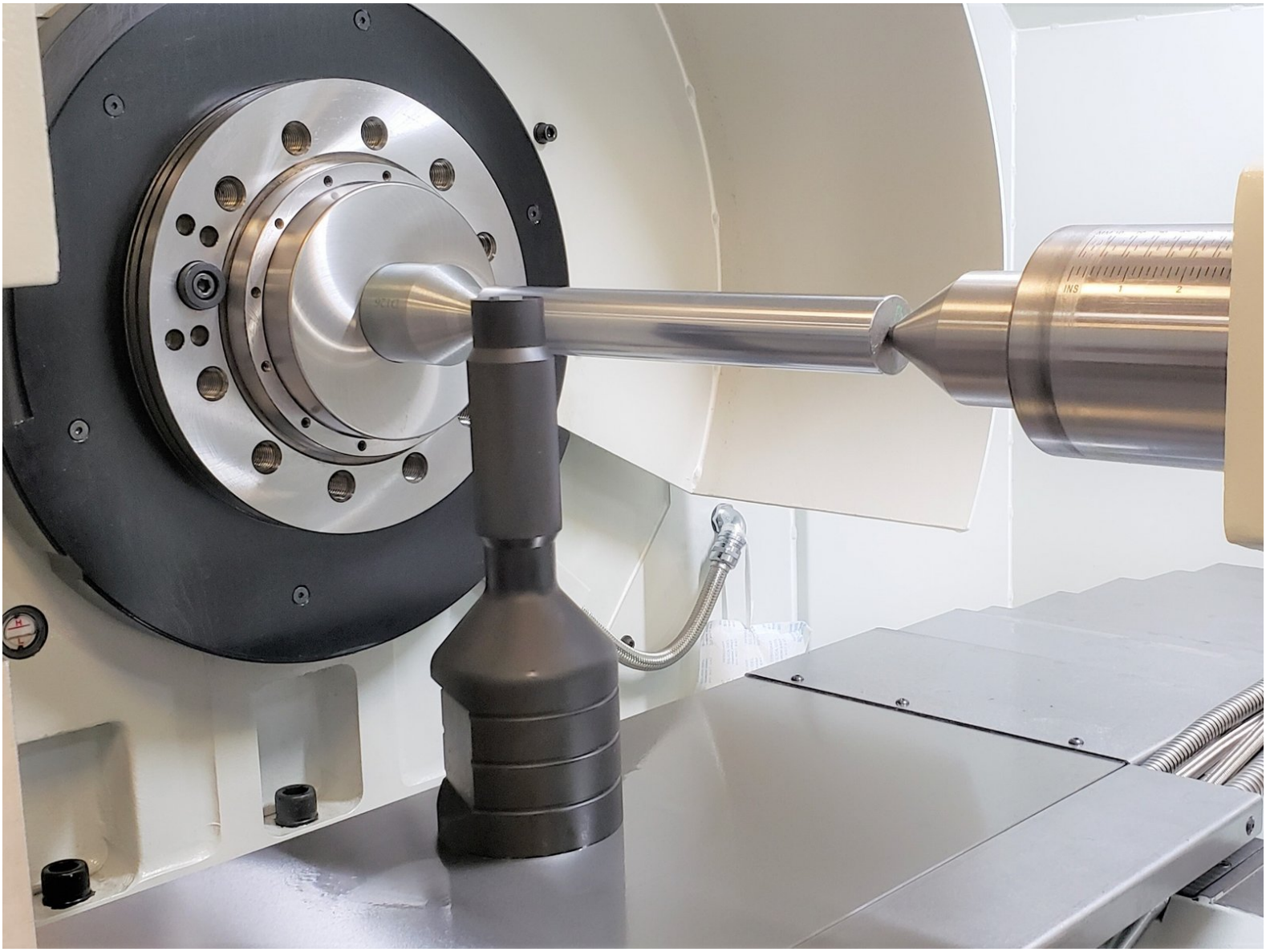
TRAK® MACHINE TOOLS

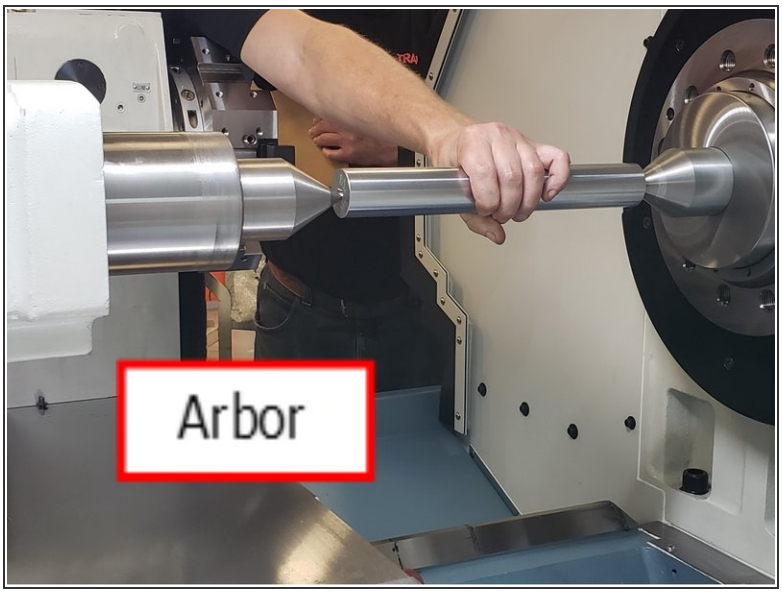
Big Lathe - 30120RX Spindle Centerline Height

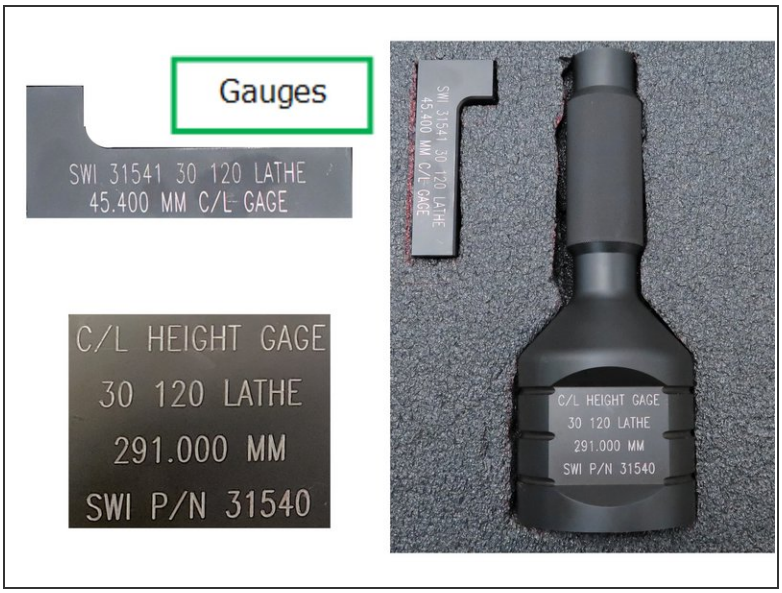
Written By: Trent Plungas



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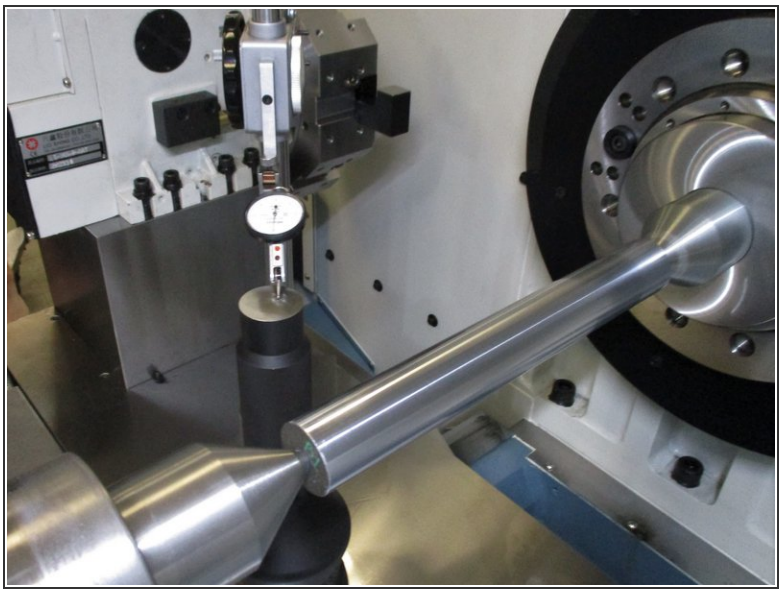
Step 1 — Test Equipment Used

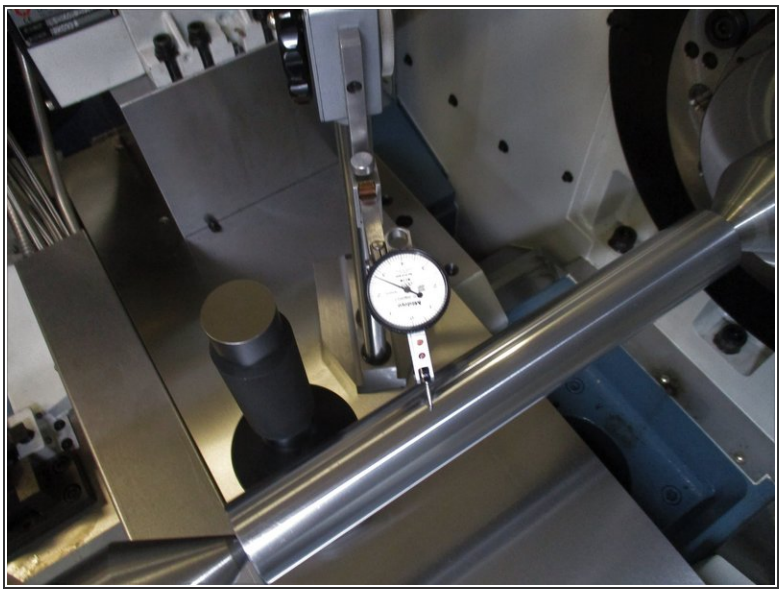




- TRAK has a documented diameter arbor used to place between two dead centers to easily measure the height of the center line of lathe. The diameter of the arbor is 40 mm, so the centerline of that arbor is the theoretical centerline.
- Second piece of test equipment is a set of standards. There is a 291mm height gauge as well as a 45.4 mm turret centerline gauge.

Step 2 — Measure Standard and Arbor for Centerline





- Carefully slide over the height gauge and zero on the standard in the turret.
- Using height gauge, measure the top of the arbor.
- Centerline height of the lathe is found from the difference in these two measurements, higher or lower.
  - Centerline height gauge standard is 291mm to compensate for 20mm radius of arbor. Height of spindle is indicated height of arbor - 20mm. This should be 10.6693” +/- .0138”. (271mm +/- .35mm).