



THE MACHINE:
KELLENBERGER K100
MACHINE SPECIFICATION

- Universal Workhead
- Fanuc 3li
- 200mm (250mm option) centerline height
- 11.5 kW Oil-air lubrication spindle
- A2-5 w/MT5 Spindle
- Roundness Accuracy <math><0.4 \mu\text{m}</math>
- Fine taper adjustment
- C-Axis Capable
- Thread Grinding Capable
- 1000 mm between centers
- 200 mm centerline height
- Kel-Set Wheel measurement system

THE INDUSTRY:
MACHINE TOOL BUILDING

When building a machine tool, whether it's a turning, milling or grinding machine, the spindle is a major critical component for accuracy. Surface finish, roundness and tight diameter tolerances go hand in hand when making a precision spindle. Hardinge has been relying on Kellenberger grinders since the mid-1990's to make our Super Precision lathe spindles be world class!



**FOR MORE INFO
SCAN THE QR CODE**

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THE APPLICATION:
MILL SPINDLE

- FEATURES BEING GROUND**
- Straight OD's on head end
 - Keys and Face
 - ID taper

- PART TOLERANCES**
- Roundness <math>< 0.4 \mu\text{m}</math>
 - Face flatness <math>< 1 \mu\text{m}</math>
 - Taper + 0 – 0.025°

This solution is superior because it combines all of these features into one set-up. Opposed to multiple machines and set-ups, this method significantly reduces set-up times and ensures that the typical tight tolerance GD&T is being held easily. Our quick wheel change reduces cycle time and does it with superior accuracy, another “best in class” feature.

