

ZEEKO^{Ltd}

ZEEKO VP Zero

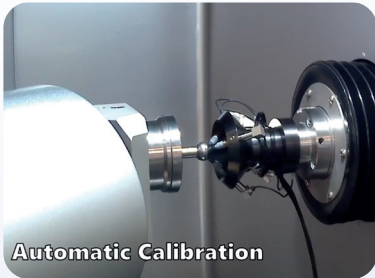
Precision Calibration for Robots and RPC Systems





The Zeeko VP Zero Gauge

The Zeeko VP Zero instrument enables the calibration of multi-axis machines (7-Axis Zeeko IRP Machines), industrial Robots (Zeeko Robot Polishing Cells) and other multi-axis machines (Fanuc 5-Axis Robodrills), to be carried out remotely.



Automatic Calibration



- Quick setup time
- Self-calibrating
- Sets VP and XYZAB Zeros
- Live feedback during adjustments
- All features deliverable remotely
- Controller Interface
 - Fanuc 30i - automated
 - Bosch/Fanuc 16i - supported
- Compensate errors with ZephyrCAM
- Can identify mechanical issues

This development enables the home pivot position of the robot of a Zeeko RPC (Robot Polishing Cell) to be calibrated to within 10µm. The VP Zero also allows many first order errors in the robot arm, such as joint lengths, rotary axis offsets and tool frame to be calibrated.

Example result from using VP Zero on an IRP 200 Beccentric >100µm to <10µm in one adjustment

