



We can build custom gauges for any machine or machine designed specifically for any application and requirements – even gauges not designed or built by anyone else! Interface options include multi-language support, multiple measuring capabilities, and any communication method.

Application examples for preventative maintenance:

- Workpiece holding and clamping systems: Is your machine using proper force and alignment consistently? Could wear or friction be on internal components? A gauge can be designed to fit the constraints or model of a workholding machine or part with any unique specifications.
- Turning centers, spindles, and lathes: Alignment/centering, speed, force, and axial positioning are crucial measurements to test for repeatability, wear on internal or external components, and overall run-out of a machining system.
- CNC Machines: Many costly and destructive damages can occur if detrimental elements of CNC machines are not checked on a regular basis – chances are, we already have a gauge designed to inspect these elements. If your machine is unique by most standards, we can easily provide a solution.
- Actuators and positioning systems: Test for repeatability and accuracy under any system. Preventative maintenance gauges may also improve the threshold and operating conditions a machine system can work at, as well as test for issues before they occur and cause damage.

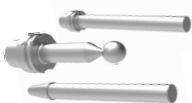
Examples of features and options:

- Rotational and torque measuring (RPM) for spindles, lathes, and turning centers
- Axial positional measuring
- Custom functions or features for a display
- Data logging and wireless data transmission
- Calibration and conversion to any measuring units or specifications
- Support for multiple languages
- USB, Serial, PC, and Network interfaces
- Tool holder, drawbar, and spindle designs with specific dimensions, unique standards, and integration with even unsupported components
- Gauges built with special materials for different environments
- Machine tool integrated clamping force reading
- On-demand measuring and preventive maintenance systems

Preventive Maintenance Gauges

Dimensional Gauges, Balancing Masters, Coolant Supply Gauges, Center Height/Master Setting, Tool Changer Alignment Gauges, Machine Set-up Gauges. Also ask us about custom gauges and personalized solutions for your machine or machine tool.

Runout Test Arbors



Available for all major machine tapers, including CAT/DIN/BT Steep Taper, HSK, Capto, KM, Morse, and others.

Chuck Force Gauges



Measure chuck jaw clamping force at high speeds. Also available for other chuck measuring applications.

Drawbar Force Gauges



Measure tool clamping force to protect spindles and ensure machining accuracy.

Custom Machine Tool Gauges

Any gauge for any machine or machine tool.

