YOUR QUALITY IS OUR BUSINESS

47mm
46.9630

Building Custom Engineered
Multi-Dimensional Gages Since 1980

GAGING SYSTEMS
YOUR QUALITY IS OUR BUSINESS

About Kurt Gaging
Since 1980 Kurt Gaging systems has been designing and building gages that are robust, accurate and repeatable for the harshest production environments. Kurt’s tailor-made precision gaging equipment offers improvements to quality control and production throughput providing true ROI.

Our Clients
From Automotive manufacturers to Tier-One subcontractors who manufacture components and assemblies, Kurt clients span most areas of precision manufacturing. Kurt Gaging also provides SPC software / hardware solutions and probes to OEM Gaging / fixture makers and Robotic system integrators.

Technologies Used
- Vision contact / non contact
- LVDT Contact displacement sensors
- Laser-spot / measurement / profile
- 3D measurement
- Load Cells • Bar Code scanning / generating

Our Gaging Systems
Kurt Gaging Systems builds a variety of Multi-dimensional gaging systems.

Manual bench top gages for off-line sampling and statistical analysis of the data.

SPC benches – provides a step by step sequence for the operator using a variety of hand held gaging and statistical analysis of the data. This process vastly reduces errors and time consuming manual data entry.
**Automatic integrated gages** for production. Closed loop feedback gaging with precision controls of the workpiece in harsh shop environments with statistical analysis of the data.

**Project highlight** - Automotive Application-Rocker arms:
Each part was fed into the gage via a vibratory rail type in-feed system with rejected parts guided down disposition chutes.
- 1 part every 3.6 seconds / Cycle
- 4 parts at a time
- 12 different critical dimensions
- attribute checks
- Tolerance +/- 0.003mm
- Clamping the part on a 3-point datum
- All features under 10% GR&R
- Custom SPC data report

**Post process control gaging** systems with closed loop control in conjunction with 3rd party auto comp systems.

**Pick-to-light systems** are an error proofing system for reducing errors and defects in the quality/production processes. Lights direct operators to the correct parts, in the correct sequential steps this process also eliminates wasted touches common to paper-based handling.

**Certified calibration masters** - a master duplicates dimensional shapes of the parts to be inspected for use in zero setting. Our masters are certified and come with a heavy shipping case for protection in the shop environment - special material types, hardness and coatings are available upon request.
The Kurt Gaging process

**Consultative approach** – Our process starts with understanding your time-line and project objectives.

**Development process** – After consultation, all project parameters are brought to our design engineers. The design concept and proposal are created highlighting Kurt Gaging's solution and ROI for the client.

**Runoff** – When the project is complete a run off will be completed either at Kurt Gaging or on the clients facility. Often both locations are required to meet a projects GR&R requirements. Repeatability and correlation data gathered and presented to the client for approval.

**Start up, installation and training** – Kurt Gaging engineer will be on-site to start up, commission gage, train the client’s staff in operation and maintenance of gaging system.

**Service and support after the sale** – Kurt Gaging systems provides excellent “service after the sale” to our clients. Phone support, documentation, annual calibrations and regular SPC training classes all combine to build a long term relationship with our clients and to keep the Gaging asset operating accurately as possible for many years to come.

There's so much more to Kurt

**Design Engineering for your machining application.**
At Kurt, we know machining well, and design and build custom workholding and fixtures for VMC and HMC machines. From manual to automatic operation, Kurt handles full project management, design and build.

**The Kurt line of AngLock vises** includes high precision CNC vises, 5 axis vises, rotary table workholding, quick change system solutions for HMC and VMC machining centers. Kurt automated workholding systems are achieving great results for unattended machining.