Kurt brings more than four decades of experience in providing solutions to CNC machine workholding problems and a deep understanding of how workholding integrates into today’s productivity and quality driven manufacturing processes.

At Kurt, we provide the complete spectrum of workholding solutions with the same dedication that has produced the most successful vises for over 40 years. Our custom engineered workholding engineers have built an industry leading reputation assisting automotive, aerospace and other metalworking intensive industries to improve quality and reduce cycle times. Lifetime Iron Clad Warranty.

One Stop Advanced Technology Solutions

Kurt Manufacturing
9445 East River Road NW
Minneapolis, MN 55432
Tel: (763) 572-4593
Fax (763) 574-8368
Toll Free: 1(800) 343-9884
email address: engineeredsystems@kurt.com
website address: www.kurtengineeredsystems.com

Custom Gaging Solutions for Automotive, Medical, Aerospace and other manufacturing applications.

Kurt Chipmunk Compactor/Briquettor

Standard and Custom Gaging • USB Gaging Interfaces
• Industrial Computers • KURT Premium Data Collection Software
• Custom Workholding Systems and Fixtures
• Automation Integration
Kurt MEASUREMENT SOLUTIONS

KurtKIT™ INTEGRATED TECHNOLOGY

In-Line Fully Automated Gage Fixture

High performance user friendly SPC and data collection software solutions

KurtUSB™ GAGING INTERFACES

KurtUSB is today’s solution for gaging and I/O support. Running on any PC’s Universal Serial Bus, KurtUSB is truly a “plug & play” answer for virtually any gage, probe or sensor. KurtUSB interface modules can be expanded to support over 80 direct gage channels and over 300 input and output ports, making it the cost-effective solution you have been looking for. Flexibility includes support for Digital Gages, LVDT and Half Bridge Probes, Analog Devices, Machine Tool Control and PLC and I/O Interface. In addition, the KurtUSB DC Power Module and I/O Module provide total gage system control, eliminating the need of expensive PLC’s and electrical enclosures. Devices such as photo eyes, relays, motors, pneumatics, E-stops and other equipment can be interfaced directly to the KurtUSB system for complete gage and automation control.

KurtDigiDirect™

Get control with KurtPremium Windows based data collection software.

Quickly and easily converts a PC for real-time SPC Data Collection.

• Works with a standard USB interface.
• Eight data input.
• Eight digital input/output.
• Connect handheld digital devices for SPC data collections.
• Use with Excel or KurtPremium software.
• Features four digital interface ports allowing hook-up of multiple devices at one-time.
• One footswitch input for triggering data collection.

KurtPremium DATA COLLECTION SOFTWARE

Designed, built and tested by a manufacturer for manufacturing companies.

As manufacturing requirements continue to change, demanding higher precision, accuracy and output, gaging requirements have also changed. The need for precise, reliable gages, built to service the increasing demands of manufacturing has become a driving force for gage builders. Kurt has been responding to these demands since the late 80’s by providing superior measurement solutions that include gaging hardware, software and electronics for virtually any measurement requirement.

Kurt’s simple yet robust designs provide measurement resolutions in the millionths, with gage R&R capabilities of 10% or less in most cases. Kurt Modular Gaging systems can measure your most challenging features on OD’s, ID’s and lengths, including 3D/5t features such as position and form, in systems for manually loaded post process fixtures to in-line fully automatic machines using contact or non-contact measurement technology.

From simple machine tending, to complex automation requirements, the KurtKIT solution brings together many years of expertise in machine tool fixtures, electronics gaging and software development to take on successfully your most challenging projects. From fully automated systems interfacing with multiple pallet machining centers to simple modifications of standard Kurt products, our team mission is to provide quality integrated systems in keeping with legendary Kurt high productivity and quality standards.

Kurt will continue to provide gaging and workholding solutions designed and built around customer requirements. In addition to this, we now offer a complete solution where the gage and/or workholding station is completely loaded and unloaded with the use of a robotic system in a turn-key package. For automated workholding, this could easily include the demanding load and unload requirements of multiple sided tombstone systems. For gaging applications, the robot could support not only load and unload operations, but also the segregation of good and bad parts and positioning of parts in front of vision systems or part marking stations for further processing.

Kurt Premium, the most versatile and powerful combination available!

KurtPremium Software connects a PC with data from virtually any gaging hardware.

• Collect data from virtually any gaging hardware.
• Eight data input.
• Eight digital input/output.
• Automated machine control.
• Eight digital input/output.
• Controls data collector interactions.
• Controls data storage options.
• View real-time status of the shop floor systems from your office or the web.
• Extensive analysis tools for historical data.

Kurt Premium provides a PC based data collection software solution. Just plug in your PC, plug in your gages, plug in your PLC's or other devices and you are ready to go. No PLC's, I/O cards, dataloggers or other devices needed. KurtPremium Software connects a PC with data from virtually any gaging hardware. KurtPremium Data Collection Software includes:

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Kurt Measurement Solutions

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Kurt’s simple yet robust designs provide measurement solutions in the marketplace, with gage R&R capabilities of 10% or less in most cases. Kurt Modular Gaging systems can measure your most challenging features on OD’s, ID’s and lengths, including GAGE-Radii calculations such as position and form, in systems for manually loaded post process fixtures to in-line fully automatic machines using contact or non-contact measurement technology.

KurtUSB™ Gaging Interfaces

KurtUSB is today’s solution for gaging and I/O support. Running on any PC’s Universal Serial Bus, KurtUSB is truly a “plug & play” answer for virtually any gage, probe or sensor. KurtUSB interface modules can be expanded to support over 80 direct gage channels and over 300 input and output ports, making it the cost-effective solution you have been looking for. Flexibility includes support for Digital Gages, UST and Half Bridge Probes, Analog Devices, Machine Tool Control and I/O and PLC Interfaces.

In addition, the KurtUSB DC Power Module and I/O Module provide total gage system control, eliminating the need of expensive PLC’s and electrical enclosures. Devices such as photo eyes, solenoids, motors, pushbuttons, E-stops and other equipment can be interfaced directly to the KurtUSB system for complete gage and automation control.

KurtUSB & KurtPremium, the most versatile and powerful combination available!

Quickly and easily converts a PC for real-time SPC Data Collection.

• Works with a standard USB interface.
• Memory data input.
• Emulates manual input.
• Connect handheld devices for SPC data collection.
• Use with Excel or KurtPremium software.
• Features four digital interface ports allowing hook-up of multiple devices at one time.
• One footswitch input for triggering data collection.

KurtDigiDirect™

Get control with KurtPremium Windows based data collection software.

• Collect data from virtually any gaging hardware.
• One-click closed loop.
• Automated machine control.
• O/E control.
• Automatic data collector interactions.
• Controlled data storage options.
• View real-time status of the shop floor systems from your office or the web.
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KurtPremium Data Collection Software

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KurtKIT™ Integrated Technology

The KurtKIT™ solution provides automated integration of gaging, custom workholding and robotics. By combining our Custom Engineered Workholding group with our Electronics Division and robotics integration, Kurt Engineered Systems is now a one-stop source offering key automated systems for machine tool tending, gaging operations and data collection.

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• Connect handheld devices for SPC data collection.
• Use with Excel or KurtPremium software.
• Features four digital interface ports allowing hook-up of multiple devices at one time.
• One footswitch input for triggering data collection.

KurtDigiDirect™

Get control with KurtPremium Windows based data collection software.

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• One-click closed loop.
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• Automatic data collector interactions.
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KurtPremium Data Collection Software
Kurt Measurement Solutions

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KurtUSB & KurtPremium, the most versatile and powerful combination available!

Quickly and easily converts a PC for real-time SPC Data Collection.

- Works with a standard USB interface.
- Eliminates manual input.
- Connects handheld devices for SPC data collection.
- Data file export with KurtPremium software.
- 100% accuracy.

KurtDigiDirect™

Get control with KurtPremium Windows based data collection software.

- Collect data from virtually any gaging hardware.
- PVC closed loop.
- Automated machine control.
- OGC control.
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Lifetime Iron Clad Warranty

One Stop Advanced Technology Solutions

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- Custom Chipmunk Compactor/Briquetor
- USB Gaging Interfaces
- Industrial Computers
- KURTPremium Data Collection Software
- Automation Integration

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