

Walk into any gear shop and typically you would see dedicated Gear Measuring Machines (GMM) toiling away checking racks of gears fresh from the manufacturing floor. These GMMs are specialized machines, running specialized software to gather specialized data to be analyzed by specialized engineers and technicians. Elsewhere in the facility is another group of specialists with Coordinate Measuring Machines (CMM) checking the related pieces that marry with the gears to make up the assemblies that the plant ultimately is delivering to its customers.

This was the standard for many years, and it worked well. Over time though, as the needs of manufacturing have changed, the pressure on these teams has increased. They need to run more efficiently and provide more data, faster. The traditional model of GMMs for one application and CMMs for another creates silos that can often obscure the data needed to effectively control process and enable manufacturing to make good decisions. Not to mention the development of skill gaps, resulting from teams being required to learn multiple software programs depending on the type of measuring machine they're using. This paradigm leads to complexity of maintenance and ownership that requires separate technicians from different vendors to maintain and support the various equipment.

Today, WENZEL offers a simpler solution. A single software suite, [WM | Quartis](#), supports a versatile product portfolio of both GMMs and CMMs, giving the user access to unparalleled capability.

WM | Quartis is a modern software that provides complete metrology coverage for a wide range of parts. Coupled with WM | Gear, this program can also provide complete gear metrology in a single package. This unified solution allows customers to roll out a single metrology software across the entire production process, ensuring the entire team can use all of the available equipment, all of the time. It ensures that methodologies can be standardized between systems, and that data and programs can be shared seamlessly to provide a flexible network of equipment and ultimately increases the available capacity.

WENZEL is already well known for the [LH CMM](#), which has been a mainstay of high-accuracy production inspection for over 30 years. The LH is engineered and built on a robust, stable platform that provides exceptional accuracy and speed in a broad range of sizes, while providing a lifecycle that can stretch to three decades of use. The [WENZEL GT line of GMMs](#) brings this tradition of accuracy and stability to the world of gear metrology, while also integrating the flexibility of the WM | Quartis suite.

The WENZEL GT and the WENZEL LH now share a singular control philosophy. This shared platform means that both systems can be serviced, maintained, and calibrated by the same technician, reducing complexity and improving up time for years to come.

Using a unified strategy on a shared platform like this ensures that specializations and information silos will be a thing of the past. With this singular point of collection, you can ensure every user seamlessly shares programs and data across the entire plant, speeding communications and improving the efficiency of process control.

To learn more about how WENZEL can drive efficiency in your systems, visit www.wenzelamerica.com