GAUGE AND TOOL MANAGEMENT
Calibration, integration and traceability made easy

- Automated calibration workflow
- Includes calibration standard templates
- Improves your cost control
GAGE YOUR SUCCESS, TOOL UP FOR COMPETITIVE ADVANTAGE

As parts get smaller and harder to measure, the cost of measuring them goes up. As parts get bigger and enormously expensive, the cost of scrapping them goes through the roof. As the sheer number of parts that go into a manufactured product grows, the complexity of measuring and managing them expands exponentially.

Gages control parts, tools build them. As a part’s dimensions change, so must the devices that measure and make them. Poor calibration that results in large measurement uncertainty causes erroneous and expensive adjustments to the manufacturing process and degrades product quality.

Gage and Tool Management – a mandatory part of an integrated Quality Management System

One-of-a-kind, isolated gage management packages might do just fine on singular tasks, but their value-add stops within the individual systems they’ve created. Reproducing the set up for a similar application means doubling up on what initially seemed to be a low cost. Starting over also means duplicating the original time and resource investment. How many parts do you have to measure? Can you afford to pursue an endless cycle of starting over each time?

At the same time, regulatory and compliance pressures are driving quality planning processes such as flow charts, FMEAs and control plans to demand more information. They’re expanding their scope to include traceability of gage and tool settings and calibration.

INTEGRITY THROUGH INTEGRATION

ASI DATAMYTE’s Gage & Tool Management Solution brings together a comprehensive list of gage and tool management functions under a single automated and integrated platform. The robustness of the QDA software behind the solution tackles ever growing numbers and complexity. It breaks through barriers imposed by legacy calibration applications with:

• Unlimited test points per gage
• Unlimited input of traceability tags
• Real-time computations performed at the moment of entry
• Extensive history tracking
• Built in R&R studies
• Kitting and mastering modules
• Wide-ranging integrated reporting capabilities
• Event notification

The solution pinpoints day-to-day gaging activity for control and traceability needs, and pulls in all relevant MSA, inspection plan, control chart and calibration data that facilitates sound production decisions and management reporting.

QDA data collection capabilities allow you to integrate gage management with production measurements. For example, as gages get out of spec, you can trace measured parts back to limit recall liability.

With ADI DATAMYTE’s Gage & Tool Management Solution, breaking out of the paper chase is far easier than staying in it.

KEEPING COSTS IN CHECK

Scrap and rework can be debilitating. U.S. manufacturers sacrifice $25 billion per year by not catching defects before they get out the door. Some businesses even fail. Spot on integrated gage and tool management plays a pivotal role in keeping rework down.
Turn burdensome challenges into efficiency gains. Establishing and maintaining an accurate gage history and performance record allows you to optimize testing schedules. Clearly, focusing on calibrating tools that are actually in use and need calibration is a more efficient operation than always testing all tools all the time.

Cost control through calibration interval optimization

Calibration status can be checked automatically on a plant floor since QDA ties in with SPC and data collection software where the gages are used. Full traceability exists so that in the event an out of tolerance gage has been used the system can know which inspected parts are suspect and require verification, avoiding costly and unexpected recalls.

COMPLIANCE AND TRACEABILITY

Calibration is an essential requirement for measurement traceability and compliance. Once the exclusive mainstay of medical and military applications, detailed inspection plans requiring gage serial numbers tracked to specific jobs are becoming increasingly common.

ASI DATAMYTE’s Gage & Tool Management Solution provides all the features needed to easily identify which tools were used to measure each product, what their settings were at the time, and relevant data required in the event of a recall. The solution complies with ISO 9000, ISO/TS 16949, ISO/IEC 17025 and MSA-3, and conforms to MIL-STD-45662A and ISO 10012-1 reporting formats.

The system handles gage calibration, calibration scheduling, calibration priority reports and automatic e-mail notification when gages are due for calibration. Auditors find it helpful to view a gage’s calibration procedure in tandem with its calibration history. Be in a position to respond with confidence by having data from all aspects of gage and tool management at your fingertips.

REPORTING

QDA reporting formats are user friendly and to the point. Standard reports including gage and tool summaries, due date reports, event history, costs, out of tolerance listings, calibration certificate reports, overdue gage listings, gage location, gage study reports, and last gage reports can all be distributed via email. Gages and tools can be identified by multiple means, including serial number, manufacturer and due date. You can also create custom reports, capturing the exact information you need, presented in your preferred format.
ASI DATAMYTE's Gage and Tool Management Solution improves cost control and ensures measurement, tool and process traceability through automated calibration and workflows. It integrates with other ASI DATAMYTE quality software and solutions to meet the regulatory requirements.

Major solution benefits and key features:

- Automated calibration workflow
- Includes calibration standard templates
- Improves your cost control
- Traces measurements to its gages
- Direct gage interfaces
- Gage and tool crib management
- Mandatory part of an integrated QMS
- Optimize calibration intervals

Continuous Improvement - Reducing Cost Of Quality

Management and KPI Reporting

Traceability and Lifecycle Management

Integrated Quality Planning

Data Collection - Plant Floor Connectivity - MES Integration

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