



Automated Dimensional Control and Tool Offset Compensation

Close the Loop Between Measurement and Machining >>

Maintaining dimensional accuracy shouldn't depend on manual data entry and operator intervention. AutoComp automatically reads measurements from any electronic inspection device, calculates the necessary tooling adjustments, then applies intelligent tool offset compensation directly to the CNC.

By automating the feedback process, AutoComp helps manufacturers reduce scrap, improve consistency, and maintain stable machining processes.



**Eliminate
Compensation Errors**



**Maintain Dimensional
Accuracy**



**Reduce Scrap and
Rework**

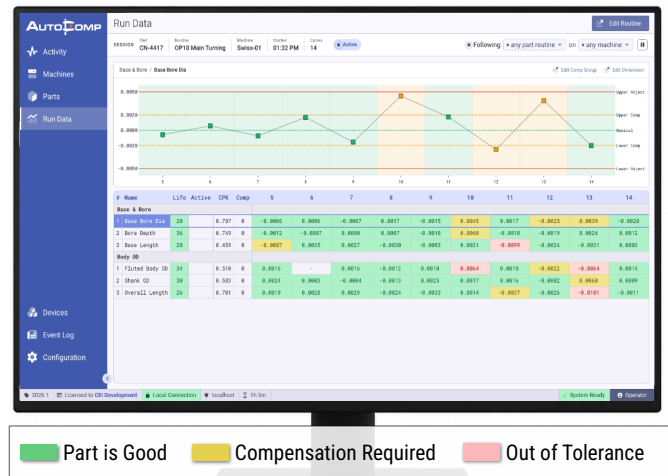
Why AutoComp?

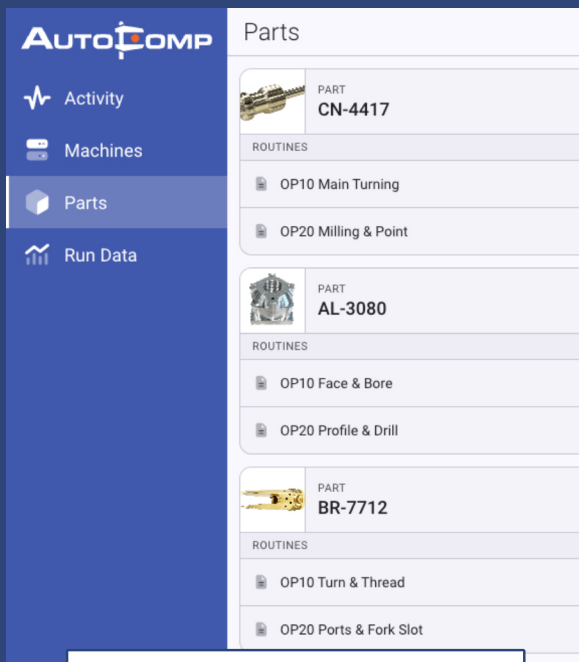
AutoComp delivers automated closed-loop dimensional compensation throughout the machining process.

The result is improved part quality, tighter dimensional control, and a more stable machining process without operator intervention.

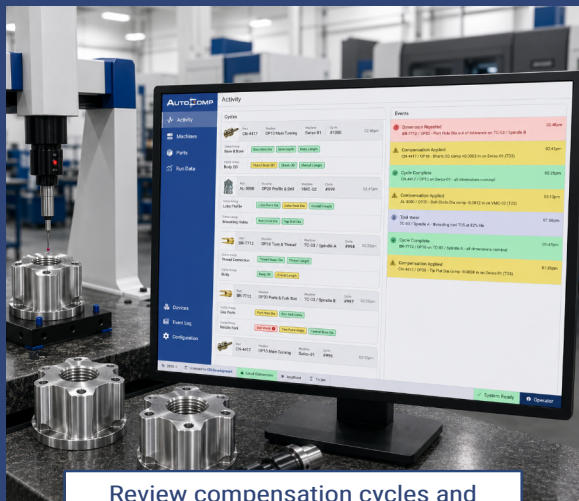
Key Capabilities:

- Automated Tool Offset Compensation
- Universal Measurement Integration
- Part-Based Compensation
- Connected Automation
- Multi-Machine Scalability
- Browser-Based Access
- Historical Data Tracking

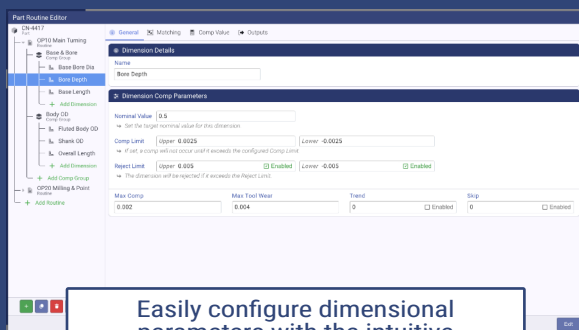




View and manage all part compensation routines in one place



Review compensation cycles and events at a glance



Easily configure dimensional parameters with the intuitive routine editor

Connect Your Measurement Systems

AutoComp integrates with virtually any electronic measurement device, allowing manufacturers to automate dimensional compensation using their existing inspection equipment. The flexible, open architecture simplifies integration while preserving your current measurement workflow.

From One Machine to Enterprise-Wide Deployment

AutoComp scales from simple single-machine applications to complex production environments involving multiple machines and operations.

- **Multi-Machine Process Management:** Group multiple machines to manage parts across complex manufacturing processes.
- **Flexible CNC Communication:** Connect to one or multiple CNC machines for simple or advanced compensation workflows.
- **Part-Based Compensation:** Apply compensation by part instead of individual measurement files for improved process control.
- **Connected Automation:** Trigger robots and other devices based on measurement results to automate quality-driven decisions.
- **Universal Device Integration:** Connect gauges, CMMs, robots, and custom peripherals through a flexible, open architecture.
- **Historical Process Tracking:** Store and review compensation history to support analysis and continuous improvement.
- **Configuration Management:** Export and import complete system configurations for fast deployment and standardization.
- **Browser-Based User Experience:** Access AutoComp through an intuitive web interface with customizable views, user profiles, and real-time visibility.
- **Scalable Deployment:** Scale from a single CNC machine to enterprise-wide manufacturing operations while maintaining a simple, intuitive user experience.

Close the Loop on Quality

AutoComp transforms measurement data into immediate manufacturing action—automatically applying tool compensation, improving dimensional accuracy, and connecting quality control directly to the machining process.

Learn More:

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