

## INDUSTRY NEWS



**ERROR-FREE TOOL  
OFFSET CONTROL**



### Curious about automation?

### Caron Engineering can take your shop to the next level!

AutoComp tool wear compensation software processes electronic gauge data and automatically calculates and compensates tool offsets in the CNC control.

AutoComp is a Windows-based software application that reads and processes part measurements from almost any electronic gauging device, calculates the necessary tooling adjustments, and then updates offsets in the control. This happens automatically without any operator intervention. Eliminates errors associated with manual data entry and closes the loop with automatic feedback to the CNC control.

#### How does it work?

- During setup, the user creates an AutoComp routine consisting of the essential part dimensions and inputs the parameters (tolerances and compensation limits) for each dimension
- It reads the measurement file and checks each measurement against the feature limits to calculate the correct amount to offset each tool
- It sends this information to the CNC control automatically, with no operator intervention required.



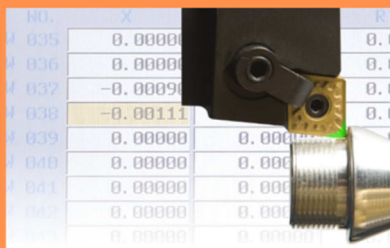
#### Gauging Devices

Use almost any electronic gauging device to provide dimensional measurements and AutoComp will calculate the necessary tooling adjustments.

- ·CMMs
- ·Digital Tooling
- ·Probes
- ·Laser Micrometers
- ·Vision Systems
- ·Wireless Gauging Device
- ·Gauge Fixtures with LVDTs

#### Part View

- The PartView feature displays dimensional data superimposed on a picture of your part
- JPG images can be labeled with each area of the part being measured for deviation
- Operators can more easily identify which area of the part will be compensated



#### Features & Benefits

- Eliminates manual data entry errors
- Interfaces directly with the CNC control
- Compiles and reports historical tool wear measurement
- Maintains acceptable tolerances of machined parts
- Notifies the operator when a tool change is needed
- Essential for closed loop and lean manufacturing
- MTConnect Compliant

Visit [www.caroneng.com](http://www.caroneng.com) for more information.