AUTOCOMP

AutoComp Software
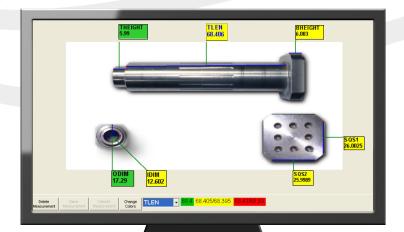
AUTOMATIC TOOL OFFSETTING

ERROR-FREE TOOLING CONTROL

GAUGE DATA PROCESSING

ELIMINATES OPERATOR DATA-ENTRY ERRORS

Use any gauging device to provide dimensional measurements and AutoComp will calculate the necessary tooling adjustments. Parts can be measured with any gauging equipment including CMMs, digital tooling, gauge fixtures with LVDTs, laser micrometers, vision systems and wireless gauging devices.

Don't see your device? Caron Engineering can write drivers to retrieve data from nearly any type/brand of electronic measuring equipment.

PARTVIEW MAKES OFFSET STATUS MORE INTUITIVE

- Enables the importing of a JPG image of the part directly into AutoComp.

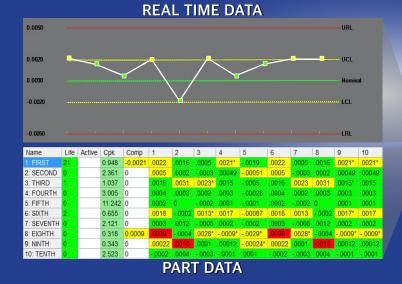- Allows the operator to more easily identify which area of the part will be compensated.

- Labels can be added to each area of the part being measured for deviation.
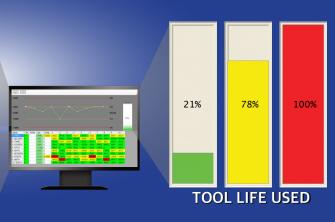
AutoComp

AutoComp software makes automatic tool offsetting and error-free tooling control a reality.

REAL TIME DATA

					URL
0.0050					
0.0020					UCL
0.0000					Nominal
-0.0020					LCL
-0.0050					LRL

PART DATA

Name	Life	Active	Cpk	Comp	1	2	3	4	5	6	7	8	9	10
1: FIRST	21		0.948	-0.0021	.0022	.0016	.0005	.0021*	-.0019	.0022	.0005	.0016	.0021*	.0021*
2: SECOND	0		2.361	0	.0005	.0002	-.0003	.00049	-.00051	.0005	-.0003	.0002	.00049	.00049
3: THIRD	1		1.037	0	.0016	.0031	.0023*	.0015	-.0005	.0016	.0023	.0031	.0015*	.0015
4: FOURTH	0		3.005	0	.0004	.0003	.0002	.0003	-.00028	.0004	.0002	.0003	.0003	.0003
5: FIFTH	0		11.242	0	.0002	0	-.0002	.0001	-.0001	.0002	-.0002	0	.0001	.0001
6: SIXTH	2		0.655	0	.0018	-.0002	.0013*	.0017	-.00087	.0018	.0013	-.0002	.0017*	.0017
7: SEVENTH	0		2.121	0	.0003	.0012	-.0005	.0002	-.0003	.0003	-.0005	.0012	.0002	.0002
8: EIGHTH	0		0.318	0.0009	.0039	-.0004	.0028*	-.0009*	-.0029*	.0039	.0028*	-.0004	-.0009*	-.0009*
9: NINTH	0		0.343	0	.00022	.0015	.0001	.00012	-.00024*	.00022	.0001	.0015	.00012	.00012
10: TENTH	0		2.523	0	-.0002	.0004	-.0003	-.0001	.0001	-.0002	-.0003	.0004	-.0001	-.0001

TOOL LIFE USED

21%   78%   100%

FEATURES AND BENEFITS

COMPILES AND REPORTS HISTORICAL TOOL WEAR MEASUREMENTS

■ All measurement and compensation data are saved to a file, and time stamped for future analysis.

■ The operator receives real-time status of the useful life for each tool.

REPORTS WHEN A TOOL CHANGE IS NEEDED

■ When tool compensation has exceeded a user-defined threshold, a wear-limit is issued, informing the operator that the tool needs to be changed.

■ A signal can be sent to the CNC control to automatically call a redundant tool or stop the machine before the next cycle.

MAINTAINS ACCEPTABLE TOLERANCES OF MACHINED PARTS

■ Statistically controls your tool offsets to maintain acceptable tolerances of your machined parts.

■ Calculates tool compensation based on tolerance limits and tool compensation limits.

ACCEPTS MEASUREMENTS FROM WIFI GAUGING DEVICES

■ Wireless data entry allows the operator to measure and simultaneously transmit the data.

■ AutoComp automatically compensates tool offsets, without manual data input.

OTHER PRODUCTS FROM CARON ENGINEERING

TOOL CONNECT   **TMAC**   **D-TectIT**   **CEI SMART LIGHT**

All CEI products are **MTConnect** compliant