

Quality By Vision

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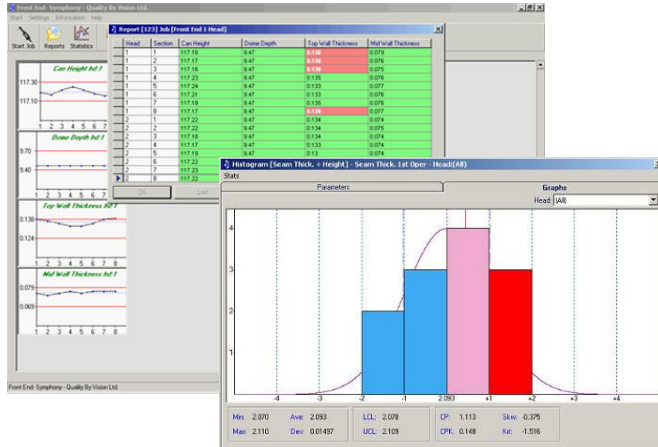
Front End Gauge Fact Sheet

The Front End Gauge is Quality By Vision's heavy-duty automated system designed to accurately measure aluminum or steel beverage cans before necking and flanging.

Quality By Vision is an industry leader in the development of precision Gauging for the Food, Beverage and Aerosol canning industries.

Until today, off-line Front End Gauges required operators to move the can between different measurement stations, each sampling a different parameter.

The reliance on operator intervention produces a lower GR&R rating and a time-consuming measurement process. Especially if cans from multiple body makers are involved.



Quality By Vision's objective in developing the gauge was to dramatically improve repeatability **and** shorten the measurement process. This is achieved by sampling all four parameters of the can – Height, Dome depth and Material Thickness at two different points on the can's profile – at once and automatically rotating the can to cover as many sections as needed.

This computer-integrated system is significantly lower in price than any other system and is built to measure reliably and accurately even when it's right on the factory floor. The Front End Gauge is less expensive and simpler to maintain because it relies on a standard Windows™ based computer and does not require an expensive laboratory environment or highly trained operators.

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The system is provided with the simple yet powerful *Symphony* Statistical Process Control (SPC) suite, for free! In addition, the software can export the measurement data and statistics to a central database for further analysis by production or quality assurance managers or to the plant's SPC system.

Quality By Vision has created an accurate, repeatable and affordable Front End Gauge that's perfect for every budget!



Comparative Guide

Parameter	Quality By Vision	The Competition
Durability	Closed measurement chamber Heavy-Duty design for factory floor work	Exposed measurement area Requires lab environment
Speed	12 seconds for 8 samples	Considerably longer, depends on operator experience
Automation	Automatic PLC-based system No user intervention in measurement process	Manual placement of can
SPC	Free <i>Symphony</i> Statistical Process Control (SPC) suite	-
Price	Significantly lower	-

Quality By Vision

Quality you can see!