Quality By Vision

Score Residual Gauge

An affordable & accurate solution for measuring Easy Open Score Residual. High GR&R, Score Residual Gauge PerfectFocus™ Laser System.

INDUSTRIAL PHYSICS

Protecting
Product Integrity

The Score is an essential part of the “easy-open” system. When the score residual depth is too thick, the tab will break when trying to open the can. When the score depth is not thick enough, the closure could become unsafe, break unexpectedly or even leak!

Until today, systems that utilize depth-of-field microscopes depended on skilled operators to manually focus on the score groove utilizing an external video monitor and micrometer. The high reliance on operators produced a low repeatability of as much as ±5-7 microns, as different operators will focus on different parts of the groove.

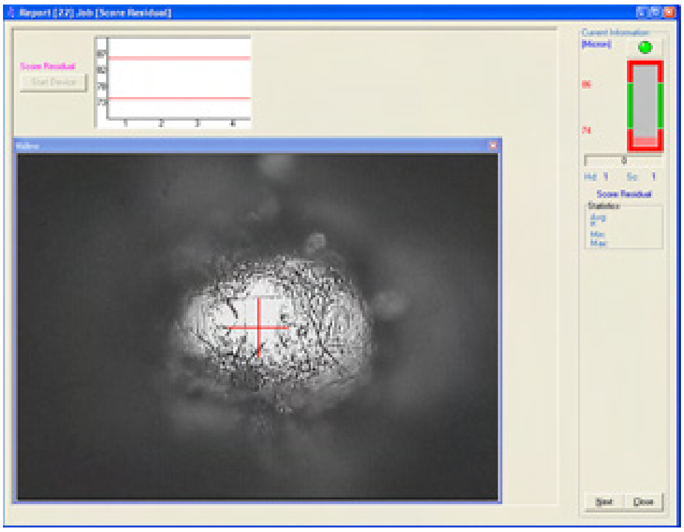
Benefits

The Quality By Vision score residual gauge is an innovative solution which uses cutting edge optics and laser technology together with an advanced software processing which reduces the impact of the operator on the measurement process. The system not only produces a significantly improved repeatability rating, but is also priced significantly lower than other systems!

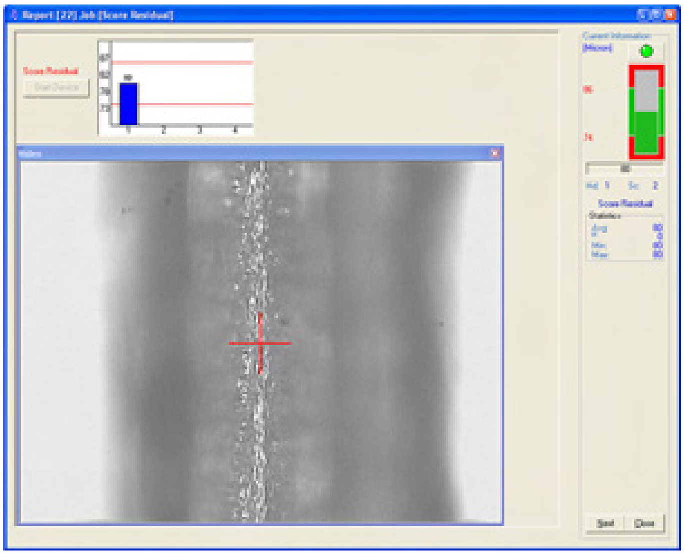
The system is connected directly to a computer, and does not require any additional peripherals like decoders or external monitors. This reduces the cost of the system and simplifies maintenance for the system.

Technical Specification:

Resolution:	1 µm
Depth of field:	2 µm or better
Dual magnification:	X900 with 17” monitor X180 for easy location
End Diameters:	48–105mm
Range:	0–3mm
SPC/reporting:	Free Symphony software
Features:	Dual zoom, localizer lens, SPC, reporting, adjustable X–Y micrometric table with a round, oval and rectangular end holder.



Gauge Calibration



Score Residual Measurement

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