Quality by Vision
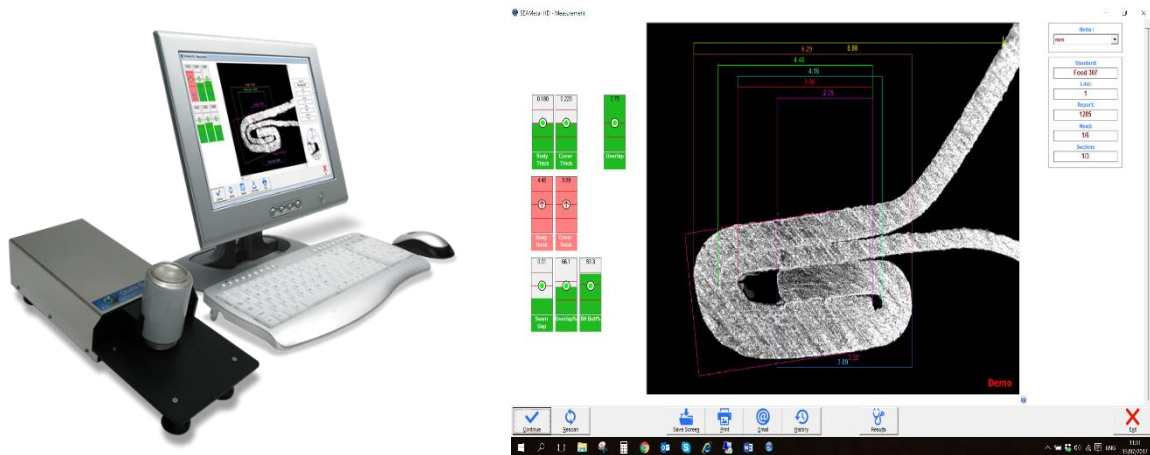
SEAMetal Lt + AGS-2300 can saw

+

Optional external gauges

Specifications, description saws & external gauges & SEAMetal LT brochure

SEAMetal LT Craft optical unit & seam image

SEAMetal LT

Automatic, Double Seam Analyzer for Craftbeer canners from Quality by Vision

- ❖ Automatic Double Seam Analyzer with Sample table for Food Cans
- ❖ Version 6.x software compatible with Win 7, or 10
  - ➢ Lifetime software license – no recurring costs!
- ❖ High Definition optical unit with USB camera
- ❖ **New!** Seam Doctor Software, *Automatic troubleshooting for seam defects* and suggests solutions (see next page)
- ❖ All measurements done instantly from the seam image
- ❖ Database saves measurements & double seam images
- ❖ Includes calibration gauge (certified by Quality By Vision)

- ❖ External seam thickness gauge as well as countersink gauge can be connected as optional
- ❖ Manuals in English

  NOT INCLUDED. (but can be purchased afterwards as upgrade)
- ❖ Customizable HTML and Excel reporting system
- ❖ Automatic email alerts when bad seams are detected
- ❖ Remote access to measurement data and statistics over the network
- ❖ Software can integrate with additional digital gauges such as can height, material thickness, etc. (sold separately)
- ❖ Easy Back up
- ❖ For info and demo movie https://industrialphysics.com/product/seametal-lt-double-seam-inspection-for-craft-beer-cans/

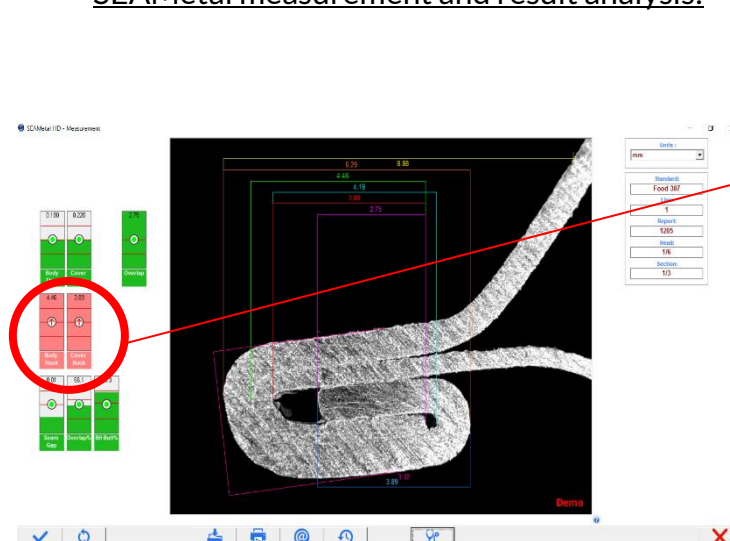For info and quotations please visit   https://www.quality4food.com/contact
Or email directly to: info@quality4food.com

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Specifications, description saws & external gauges & SEAMetal LT brochure

SEAMetal measurement and result analysis:

In above images, you see how the SEAMetal 6 software not only performs a measurement of the seam, there is also a SEAM analyse option. This option analyses the seam, and if somethings are out of specification, it provides information on what can be adjusted in the seamer.

This is a unique and patented feature only by Quality by Vision

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Optional external seam thickness gauge:

- Resolution 10 micron
- Designed to measure seam thickness always under right chuck wall angle.
- For beverage can/seam diameters between 50 - 65mm
- Connected via Mitutoyo clock & multiplexer to USB port PC (multiplexer not included)
- For info *https://industrialphysics.com/product/seam-thickness-gauge-beverage-cans/*

Optional external Countersink gauge:

- Resolution 10 micron
- For can diameters 50 -120mm
- Easy positioning, digital indication
- Can be used as "stand-alone" or with communication to PC.
- Connected via Mitutoyo clock & multiplexer to USB port PC. (multiplexer not included)
- For info: *https://industrialphysics.com/product/countersink-gauge-beverage-cans/*

Semi- automatic saw for beverage cans AGS-2300

The AGS-2300 - Beverage SEAM Saw uses two parallel blades, one mounted to cut along the diameter of the can, to make the cross-section without chattering, distorting or changing hook lengths. This provides an accurate radial slot, free from distortion, and with minimal burr, for use in Double Seam imaging and measurement.

By accommodating a complete range of beverage can body diameters from 200 – 307, the AGS-2300 - Beverage SEAM Saw also offers exceptional versatility. Our exclusive Double Seam holder never requires tooling changes, and allows for very easy operation. The AGS-2300 - Beverage SEAM Saw's removable access panel provides full access to the seam saw for a safe and quick blade change. The fully enclosed seam saw is equipped with a metal sensing safety switch and safety shut-off.

End Size Range: 200-209
Electrical Power Required: 240VAC 50-60Hz
Weight: 16.0 kg
Saw Blades: 80 x 22 x 0.5mm, HSS
Speed: 3000 rpm
Dimensions: 400 x 400 x 250mm

https://industrialphysics.com/product/beverage-seam-saw/

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Specifications, description saws & external gauges & SEAMetal LT brochure

The Quality by Vision SEAMetal system is available in 3 different versions:

1. The SEAMetal HD LITE is a basic plug and play system with minimal setup for small (craft) breweries and canneries. Can integrate with Seam Thickness and Countersink Gauges only.
2. The SEAMetal HD without SPC is a comprehensive seam inspection system with advanced capabilities. The software includes customizable reports, optional email alerts, and access and monitoring of seam data over the network. The software can also integrate with external gauges with customizable measurements.
3. The SEAMetal HD PRO includes all of the above as well as SPC software with advanced data mining and drill down capabilities
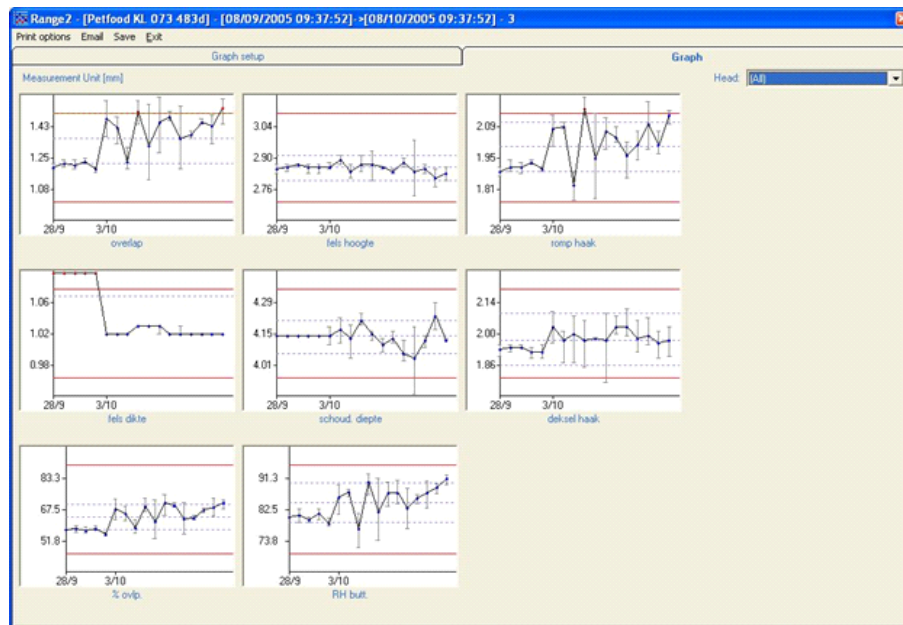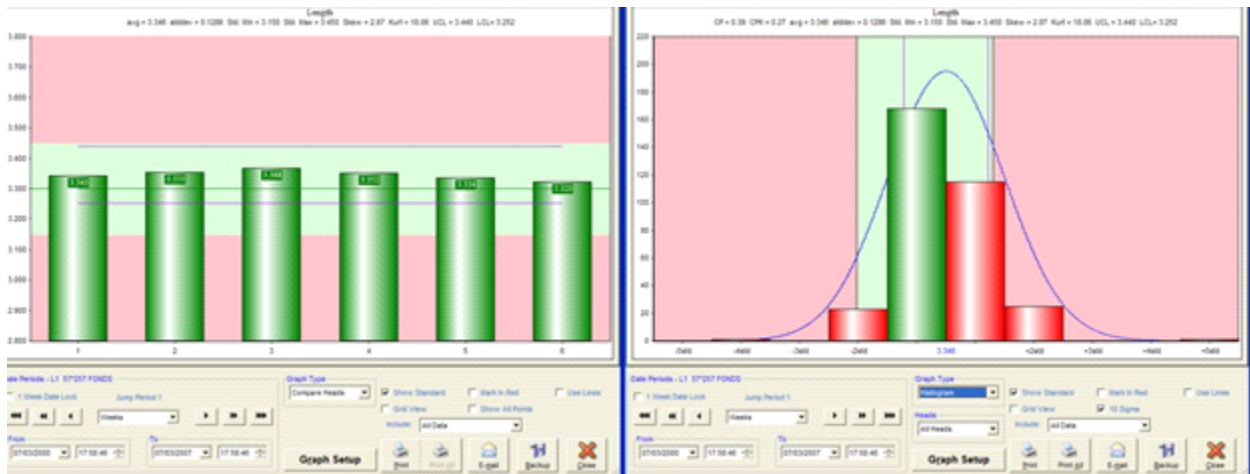
See below the differences between al versions:

SEAMetal Features Available	SEAMetal HD LT	SEAMetal HD without SPC	SEAMetal HD PRO
Instrument Connectivity Connect to external Seam Thickness and Countersink Gauges	✓	✓	✓
Instrument Connectivity Connect to digital gauges and testers, as well as keyboard for inspection data entry		✓	✓
Diagnosing Capabilities Seam Dr. Software diagnoses seam issues and suggests solutions	✓	✓	✓
External Assistance Includes integration with and full offline copy of www.SeamSchool.com	✓	✓	✓
Full SPC software Graphing software with advanced data mining and drill down capabilities			✓
Additional Inspection Capabilities SEAM-explorer™ allows to inspect any radius, angle, distance or area within the double seam		✓	✓
Seam Images Stores captured seam images with associated data. Displays images onscreen during inspections and prints on reports	✓	✓	✓
Headlines Custom fields (Product Code, Can Code, Can Manufacturer, End Code, End Manufacturer and V-jet Can Code) to add important data to your inspections	✓	✓	✓
Passwords and Permissions Four different optional permission levels controlled by passwords.		✓	✓
Recheck Capability Perform rechecks for all or only out of spec measurements		✓	✓
Views Fully customizable measurement reports in HTML and Excel		✓	✓
Assessment Digitally sign off on inspections will lock them down to conform with the FDA's 21 CFR Part 11 for maintaining digital records		✓	✓
Networking Database can reside on local PC and is backed up automatically to server. Access data from non-workstation PCs using Database Management License.		✓	✓
Scheduled Tasks Schedule repeating events for importing, exporting and archiving data, along with automatic report printing.		✓	✓
E-mailed Alerts Alerts auto generate and email when bad seams are detected with or without seam image.		✓	✓
Custom Serial Protocol (Instruments) Accepts data from most non-Quality By Vision gauge outputs		✓	✓
Custom File Protocol (Instruments) Imports data files from most non- Quality By Vision gauge software		✓	✓
Read Only License Included	✓	✓	✓

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Optional SPC for SEAMetal HD (not on LITE version)

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External gauges (Cannot connect to SEAMetal LT)

Material thickness gauge/Mitutoyo
- Resolution 1 micron.
- Designed to measure body & cover material thickness.
- Can be used as "stand-alone" or with communication to PC.
- Connected via Mitutoyo clock & multiplexer to USB port PC (optional, but not on LITE version)

Can height gauge/Mitutoyo

- Resolution 10 micron
- For beverage and non-beverage cans.
- Standard can heights with 12,5mm range/height difference
- Optionally: extension table for other can heights
- Equipped with heavy granite base.
- Can be used as "stand-alone" or with communication to PC.
- Connected via Mitutoyo clock & multiplexer to USB port PC (optional, but not on LITE version)
- For info: *https://industrialphysics.com/product/can-height-gauge-beverage-cans/*

Beverage Can Stripper for 2 can heights.

- Quickly strips cover hook from beverage cans for Wrinkle/Tightness rating.
- Allowing to "strip" seams of full cans; no need to open, empty & clean them!
- For one end diameter (200, 202 or 206) with optional different can diameters or can heights.
- Easily replaceable blades and bearings.
- Special stripping head with 3 blades
- Auto-motor with start/stop switch; 220V - 50Hz - 350W.
- For info: *https://industrialphysics.com/product/motorized-seam-stripper-for-beverage-cans/*

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