



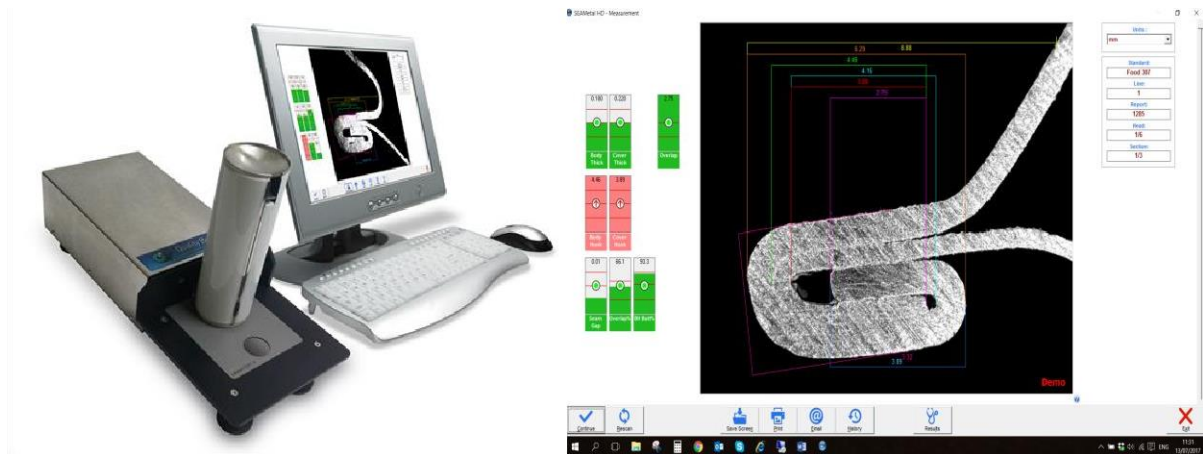
# SEAMetal 6

Aerosol

Introduction to software + saw + gauges

**Specifications, description saws & external gauges & SEAMetal brochure**

**SEAMetal HD optical unit & seam image**



**SEAMetal HD without SPC**

Automatic, Double Seam Analyzer for Aerosol cans (optional with SPC Software)

- Automatic Double Seam Analyzer with Sample table for Food Cans
- Version 6.0 software compatible with Win 7, or 10
- Standard 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
- Customizable HTML and Excel reporting system
- Database saves measurements & double seam images
- Automatic email alerts when bad seams are detected
- Remote access to measurement data and statistics over the network
- Software can integrate with digital gauges such as seam thickness, material thickness, etc. (sold separately)
- Includes calibration gauge (certified by Quality By Vision)
- Manuals in English
- For info and demomovie <https://www.qbyv.com/product/aerosol-can-seam-inspection/>

For info and quotations please visit  
Or email directly to:

<https://www.quality4food.com/contact>  
[info@quality4food.com](mailto:info@quality4food.com)

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SEAMetal measurement and result analysis:

The screenshot shows the SEAMetal software interface. On the left, a control panel has a red circle around the 'Body Hook' and 'Cover Hook' settings. The main area displays a grayscale image of a seam with various measurement lines and values. On the right, a 'Results' window is open, showing a table of measurements and calculated results.

Results			
Body Thick.	0.180	Seam Length	5.29
Cover Thick.	0.220	Countersink	8.88
Seam Thickness	3.32	Seam Gap	0.01
Overlap	2.75	Dim A	3.88
Body Hook	4.46	Dim B	4.16
Cover Hook	3.89	Tightness	0

Calculated results	
Overlap %	96.1%
BH BUTT.	93.3%

**Disclaimer:** The text below is presented for informational purposes only. We make no claims or guarantees regarding the accuracy of the information and assume no responsibility for damage incurred from its use. Please contact us for information.

- 1st op Roll may be too loose
- 2nd op Roll may be too tight
- Check Pin Height
- 1st op Roll may be too tight
- 1st op Roll may be set too high
- 2nd op Roll may be too loose
- 2nd op Roll may be set too high
- Check lifter plate pressure - it may be too low
- Check lifter plate pressure - it may be too high

The screenshot shows the SEAM SCHOOL website. The main heading is 'SEAM SCHOOL DOUBLE SEAMS EXPLAINED'. Below this, there is a navigation menu with 'OVERVIEW', 'SEAM MEASUREMENTS', 'SEAM DEFECTS', 'TERMINOLOGY', and 'HOW TO?'. A search bar is present. The page title is 'Long Cover Hook (End Hook)'. A sidebar on the right lists categories: Defects (36), How to? (15), Measurements (44), Overview (9), and Terminology (28). A large image of a seam is shown in the main content area.

The screenshot shows the SEAM SCHOOL website page titled 'Possible causes for Long Cover Hook:'. It features a diagram of a seam with labels 'Long Cover Hook', 'Cover', and 'Can Body'. Below the diagram, there is a list of causes:

- Tight 1st operation roll
- Short Body Hook
- Countersink is too shallow (not deep enough)!
- Over-curling end
- Incorrect 1st or 2nd operation setup

Navigation arrows point to 'Long Body Hook' and 'Short Cover Hook (End Hook)'. A sidebar on the right lists 'Split Seam' and 'How to ensure Rolls are undamaged and are safe to use?'. The footer contains copyright information for SEAM SCHOOL - Craft Seaming - Double Seams Explained.

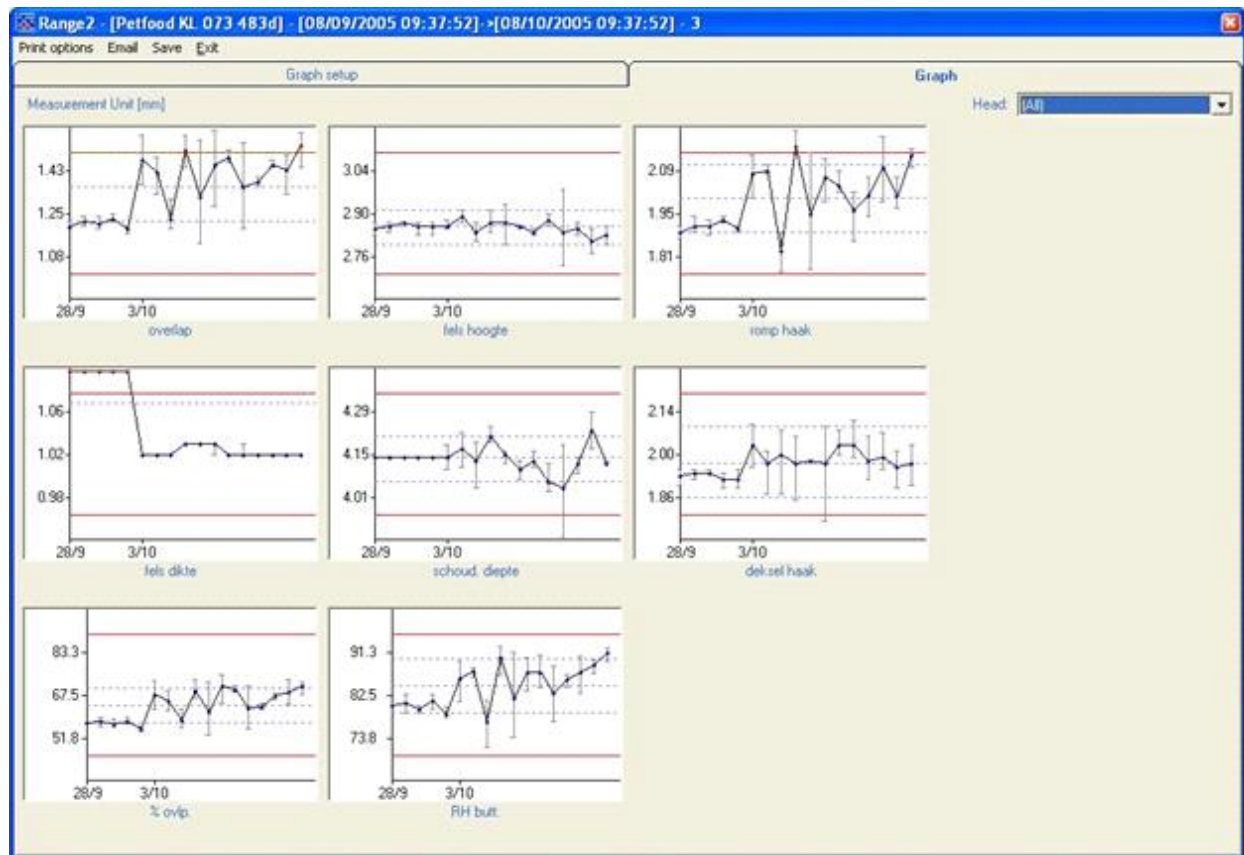
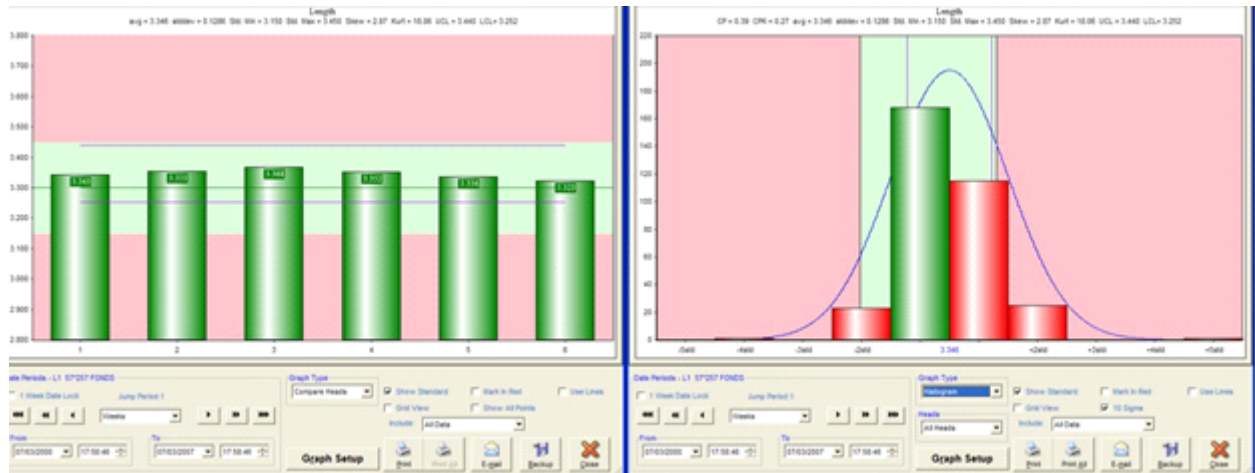
In above images, you see how the SEAMetal 6 software not only performs a measurement of the seam, there is also an SEAM analyse option. This option analyses the seam, and if somethings are out of specification, it provides information on what can be adjusted in the seamer.

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

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[www.quality4food.com](http://www.quality4food.com)

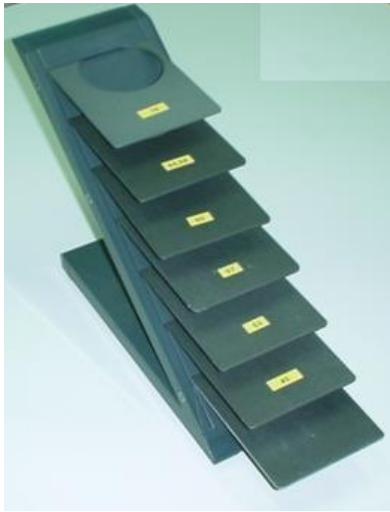
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**Optional SPC for SEAMetal HD**



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**SEAMetal optical unit adapted for handling aerosol cans (top & bottom side) plus rack for storing holders for different top-side can/seam diameters.**



### **Semi- automatic saw for 3-piece aerosol cans - TBS-LSS**

- Semi-automatic twin blade saw with built-in noise reduction (< 85dB)
- Applicable when working with only a few different can diameters
- Maximum can diameter 104mm & minimum can height 100mm
- For each different diameter can a separate “sleeve” is required
- Equipped with 2x HSS or TiN saw blades.
- Rotating speed 600 RPM
- Weight ± 20kg
- Standard supplied with 1x can sleeve for specified can diameter & shape.
- Extra sleeves can be supplied for other can diameters & shapes.
- Like TBS-4BC saw except 800RPM versus 2500Rpm & TiN instead of carbide blades.

For info see TBS-4BC at: <https://youtu.be/9ePJsfkTAgQ>

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### **Options:**

- Extra “sleeves” for different can diameters/price per “sleeve”
- TiN saw blades per set of 2 blades

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**Optional external gauges for aerosol cans with connection to (SEAMetal) PC**

**Seam thickness gauge/variable angle / Mitutoyo**

- Resolution 10 micron
- Designed to measure seam thickness always under right chuck wall angle.
- For aerosol can/seam diameters between 50 -73mm (see 2x photos below)
- Can be used as “stand-alone” or with communication to PC.
- “Connected via Mitutoyo clock and multiplexer to USB port (SEAMetal) PC (not included)



Bottom only

**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
- Prices “+ comm” include Mitutoyo cable and multiplexer



**Motorized can height gauge/Mitutoyo**

- Resolution 10 micron & digital indication
- Can height 280mm range (lowest and highest height)
- Motor manually controlled, down motion stops at 8 Newton
- Equipped with heavy granite base
- Connected via Mitutoyo clock & multiplexer to USB port PC
- Prices “+ comm” include Mitutoyo cable and multiplexer
- For info: <http://www.qbyv.com/product/motorized-can-height-gauge-for-food-cans/>



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Other optional external gauges and connection to PC (via Symphony software)

**Symphony software QbyV**

- Software for acquisition of measurement data and SPC (Statistical Process Control).
- Allows connecting different “stand-alone” gauges to be connected to designated PC.
- Usually (for QbyV gauges) connected via Mitutoyo clock and multiplexer to USB port PC
- For info: <http://www.qbyv.com/product/symphony/>

**Combi Seam Height, Body Hook & Cover Hook gauge/Mitutoyo**

- Resolution 10micron.
- For can diameters 50 – 280mm
- For seam height, cover hook & body hook measurements.
- Cover hook & body hook for SEAMetal XD (<http://www.qbyv.com/product/seametal-xd/>)
- Table-top model (not hand held)
- Can be used as “stand-alone” or with communication to PC.
- Connected via Mitutoyo clock & multiplexer to USB port PC
- Prices “+ comm” include Mitutoyo cable and multiplexer
- For info: <http://www.qbyv.com/product/seam-height-bodyhook-and-coverhook-gauges/>
- See photo belowleft.

**Plug diameter gauge/Mitutoyo**

- Resolution 10micron
- Designed to measure internal diameter values of non-seamed cans.
- For all types of round non-seamed can bodies.
- Supplied for 1x, 2x, 3x and max 4x different non-seamed can diameters
- Can be used as “stand-alone” or with communication to PC.
- Connected via Mitutoyo clock & multiplexer to USB port PC
- Prices “+ comm” include Mitutoyo cable and multiplexer
- For info: <http://www.qbyv.com/product/can-body-plug-diameter-gauge/>
- See photo belowright.

