

SEAMetal XD - Alternate between video and gauge measurements

Description

SEAMetal XD is the latest generation of our benchmark SEAMetal double seam inspection system. Quality By Vision has been continuously improving and developing this system since 1993, ever since the world's first automatic double seam scope, SEAMetal 9000X was introduced.

SEAMetal XD allows plants for the first time to seamlessly alternate between HD video and tabletop gauge measurements. For example, canning operations that want to be compliant with regulatory bodies with different demands can measure seams using the fast HD camera when they can (during equipment setups, rechecks and changeovers) and use the tabletop gauges for regular seam checks during production runs, if they are so required. The software will take all measurements from either source and display them together in the reports and statistics.

The SEAMetal XD system comes equipped with our high definition [SEAMetal HD](#) camera and tabletop gauges for mechanical seam dimensions: our industry-standard adaptive [seam thickness](#) gauge, our combination tabletop [seam height / length, bodyhook and coverhook](#) gauge and our [countersink](#) gauge. Overlap can be measured using the HD camera or calculated based on the other gauge readings.

This means that for the first time, you can get all the benefits of industry-leading SEAMetal software without having to change your existing seam quality procedures!

[Contact us](#) today for more information.



The SEAMetal XD system with HD optical unit

Features

Key Benefits

- **Seamlessly alternate HD video and tabletop gauge measurements**
- Improve accuracy, ease of use, traceability and compliance
- High-definition seam images
- Highly flexible software interface
- Customizable reports & SPC statistics built in
- Unmatched gauge quality and accuracy
- Easy to calibrate and operate

Features

- **Each seam can be measured automatically using the optical unit (less than 1 second per seam scan) or manually using the gauges**
- **Allows combining gauges and vision readings in the same measurement**
- Free SPC system that's easy to use, easy to understand, supports drilldown directly from SPC graphs down to the seam reports!
- Record data using keyboard, footswitch or touchscreen!
- Supports rechecks using video or gauges - in situations where seamer adjustments were performed after the seam check
- Supports "undo" to avoid operator mistakes
- Comes with certified calibration gauges for all equipment
- Competitive upgrades for seam inspection systems from other manufacturers (contact us for more details)



The SEAMetal XD system with Seam Stripper

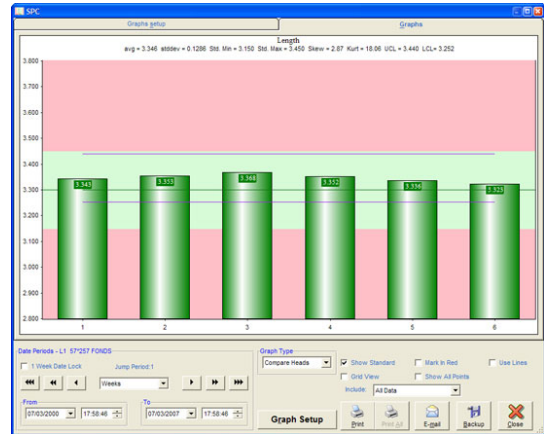
Specification

Measurement	HD Video or Tabletop Gauges
Can Sizes	Up to 153mm diameter x any height
Interface	USB2
Gauge resolution	10 microns or better
Units	mm, inches, microns or MIL
Measurement	HD Video or Tabletop Gauges
Can Sizes	Up to 603 diameter x any height
Interface	USB2
Gauge resolution	0.0005" (one half thousandth) or better
Units	mm, inches, microns or MIL

Pictures



The SEAMetal HD optical unit



Seamer head performance comparison chart



SPC range graphs



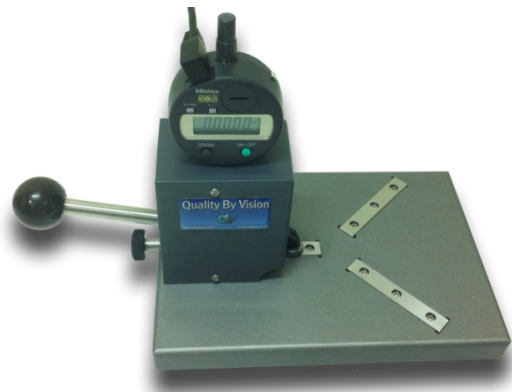
Portable HD optical unit

***** SEAMETAL HD *****

BI 11954
EQUIPE 1
PRESSION 15
Operator DG
Report ID: 5437
Last calibration date: 04/07/2000
Cna spec: L5 52*132 CHPTX
Number of heads: 6
Line: L5
Measurements per head: 3

Date / Time	Hd	See	Body	Thick	Cover	Thick	Seam	Thick	Seam	Length	Cover	hook	Body	hook	Cover	hook	Overlap	BI	BI	BI	BI		
13-12-2000 05:37	1	1	+0.2454	0.3436	1.538	+1.4112	3.902	2.159	2.212	1.334	62.0	66.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	
13-12-2000 05:37	2	1	+0.2454	0.3313	1.554	+1.402	3.902	2.134	2.212	1.415	66.7	67.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
13-12-2000 05:38	3	2	+0.2454	0.3436	1.556	+1.404	3.902	2.171	2.229	1.415	68.7	69.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
13-12-2000 05:38	4	2	+0.2454	0.3436	1.585	+1.390	3.902	2.122	2.188	1.415	72.4	66.0	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
13-12-2000 05:38	5	1	+0.2499	0.3436	1.625	+1.317	3.902	2.122	2.087	1.305	62.9	63.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
13-12-2000 05:39	6	2	+0.2454	0.3436	1.584	+1.398	3.902	2.098	2.188	1.305	70.3	69.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
13-12-2000 05:39	6	1	+0.2433	0.3558	1.650	+1.344	3.902	2.073	2.226	1.334	61.7	61.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
6	2	+0.2477	0.3436	1.584	+1.317	3.902	2.171	2.171	2.171	1.415	67.9	67.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
Results max			0.2531	0.3209	1.538	+1.368	3.902	2.061	2.087	1.305	61.7	61.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
Results min			0.2190	0.3481	1.650	+1.465	3.902	2.171	2.255	1.573	75.7	66.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
Results range			0.0341	0.1472	0.112	0.195	0.000	0.100	0.266	0.288	12.0	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
Results avg			0.2346	0.3334	1.587	+1.359	3.902	2.126	2.259	1.417	65.4	65.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
Results stdev			0.0229	0.0269	0.026	0.028	0.000	0.037	0.073	0.082	4.2	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6

SEAMetal XD report



Seam Height, Bodyhook and Coverhook Gauge



The SEAMetal XD system without optical unit