



Seam System 500B

Can Control for beverage

Technical Data sheet

METOP[®]

World Class Quality Control For Cans

The Seam System 500B is designed for customers who want to take advantage of METOP's high quality measuring system, including the well-known Winseam software and require the highest capacity and fastest measurements.

What makes this system unique is our quick and accurate Minidesk-2 that measures all external parameters in one single operation. This procedure only takes seconds compared to measuring all parameters separately, using individual gauges. METOP offers a very attractive price to suit each individual customer's needs.

What makes us so special is our unique systems. When choosing Metop you don't get separate parts but a complete system of finally tested products that work together.

Everything we make is built by our own production team in Malmö, Sweden and we are always aware of where everything from smallest screw to the advanced optics come from. By Purchasing a METOP product you can be sure that everything is of highest quality, finally tested and with "plug and play" functions.

Our products have continuously been developing since 1987 and our technology always stays ahead in the canning industry.

The System makes seam evaluations both externally and internally.

Measuring parameters externally are: can height, countersink depth, seam height, seam thickness.

Measuring parameters internally are: cover hook, body hook, overlap, seam gap, calculated body hook butting.

System Includes:

- 3rd edition robust Video Seam Computer, automatically measuring the internal parameters of the seam.
- Winseam software.
- The Minidesk measuring all external measurements in one single operation.
- Metop Seam Cutter to evaluate wrinkles.
- Seam Saw for different can sizes.
- Operator friendly HDMI touch screen for easy input.
- Mini-keyboard, mouse and all necessary cables.

Key features:

- All external measurements made with a single push for results within a second.
- All internal measurements easily made with the VSC-3.
- Included foot pedal for even faster operation.
- UPS, uninterruptible power source (230V).
- Laser printer (230V).
- Tool box with all necessary tools.
- SARC-3 for easy evaluation of wrinkles.
- 3 year warranty.
- High Swedish quality.
- Foot pedal included.



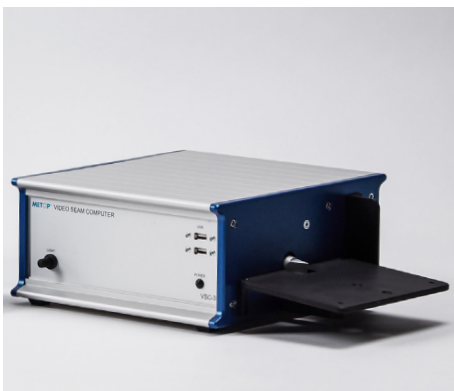


MD-2B

For external measurements

The Minidesk is an instrument with one fixture, which is used for complete measurement of all external parameters of the seam. Can height, seam height, countersink depth and seam thickness are measured at the same point. This makes the instrument much faster than measuring with individual gauges. The results are displayed on digital indicators, and data is transferred to the seam computer via a multiplexer.

- Robust solid design.
- Fit all can sizes.
- Can be run in manual mode without computer.
- Now with enforced linear guides.



VSC-3

For internal measurements

The Video Seam Computer is an industrial fan-less computer system mounted in an attractive aluminium enclosure. It is made with built in vision measurement hardware.

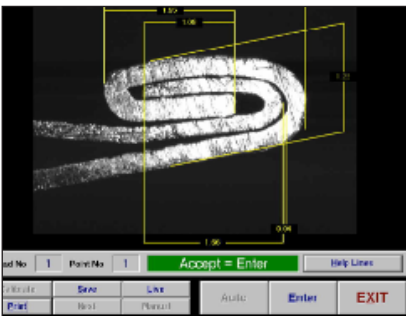
- Embedded OS.
- Industrial fan-less Intel processor.
- External reliable power supply.
- SSD (solid state disk) without any moving parts.
- Metop designed vision system for superior quality.
- Communication ports for RS232 and network.
- Included foot pedal for faster input.

Includes all necessary parts from a mini-keyboard to industrial computer monitor with high quality aluminium frame and glass screen.

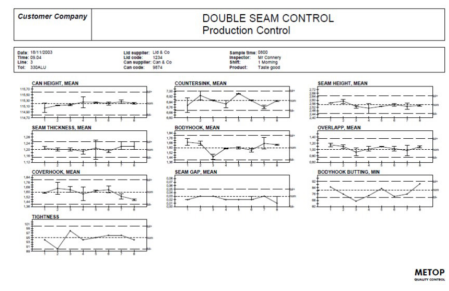
Winseam 5

With our highly developed software your measuring values can be stored on the hard drive or on your server. All data from the external measuring gauges will be transmitted into the measuring report by a foot pedal or the enter button. **It takes approximately 1 second for the system to make all internal measurements automatically by means of a camera and vision measuring system.** They can also be manually adjusted. The image with the measuring lines can be printed out.

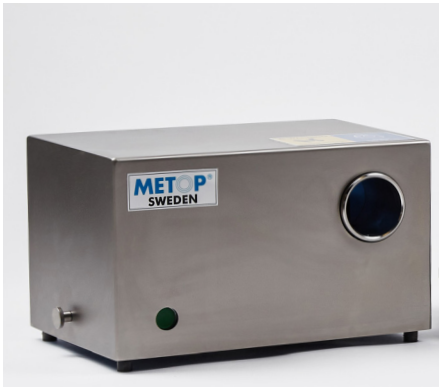
A rating system evaluates all seam dimensions and highlights critical errors. The procedure for recheck is semi-automatic and very easy to carry out. There is also a safety filter for unrealistic measuring values.



Customer Company		DOUBLE SEAM CONTROL Production Control															
Date: 01.11.2003		Lot Number: LK 4 03				Sample Size: 200				Lot: 00000000000000000000							
Time: 08:00		Lot Number: LK 4 03				Lot: 00000000000000000000				Lot: 00000000000000000000							
User: JONAS		Lot Number: LK 4 03				Lot: 00000000000000000000				Lot: 00000000000000000000							
Point	Can H	Can W	Can D	Can T	Can B	Can S	Can E	Can F	Can G	Can I	Can O	Can C	Can V	Can P	Can M	Can T	Can H
1	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
3	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
4	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
5	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
6	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
7	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
8	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
10	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
11	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
12	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
13	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
14	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
15	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
16	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
17	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
20	115.50	52.00	6.75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20



Statistics like trend curves, histograms and error reports can easily be performed. All adjustments on the line can be keyed in and also be shown in the statistics. Old reports can be searched and are traceable. The database is Access and Excel. The Video Seam Computer is also ready for Ethernet and equipped with RJ 45 connection.



MSS-2B

To cut the can

The MSS-2B is a high speed Seam Saw with HSS blades that simultaneously makes two cuts in the can. The cuts are made on the end of the can to make the seam visible for further internal measuring. The saw is equipped with a safety holder. The hood is in stainless steel that is easy to clean and long lasting.

- Optimized speed and cut size.
- Perfect cut for video measuring.
- Very fast cutting.
- Easy exchangeable saw blades.
- Stainless steel cover.



MSC-3B

To open the can

The MSC-3 is a manual tool that separates the cover hook from the seam to provide tightness control and evaluation for all cans. The Seam Cutter is low weight and easy to use.



SARC-3

To open the can automatically

The Semi- Automatic Rotating Cutter SARC-3 simplifies the work of evaluating wrinkles as it is fast and easy to use. It is operated by placing the can in position, activating the power switch by using the foot pedal and pulling the handle to move the cutting knives towards the can.

- Easy height setting for different can heights.
- Quick diameter change for different can sizes.
- Extremely solid.
- Small footprint on the table.
- Standing can - eliminating leakage of liquids.

The SARC-3 is delivered with one pair of extra cutting knives and a fixture for either 200, 202, 206 or 209. The height can easily be changed depending on the can size.

