



Seam System 100B

Can Control for beverages

Technical Data sheet

METOP[®]

World Class Quality Control For Cans

The Seam System 100 Beverage is designed for customers who want to take advantage of METOP's high quality measuring system, including the well-known Winseam software, but who don't require the highest capacity. 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 comes from. By Purchasing a METOP product you can be sure that everything is of highest quality, finally tested and with "plug and play" functions.

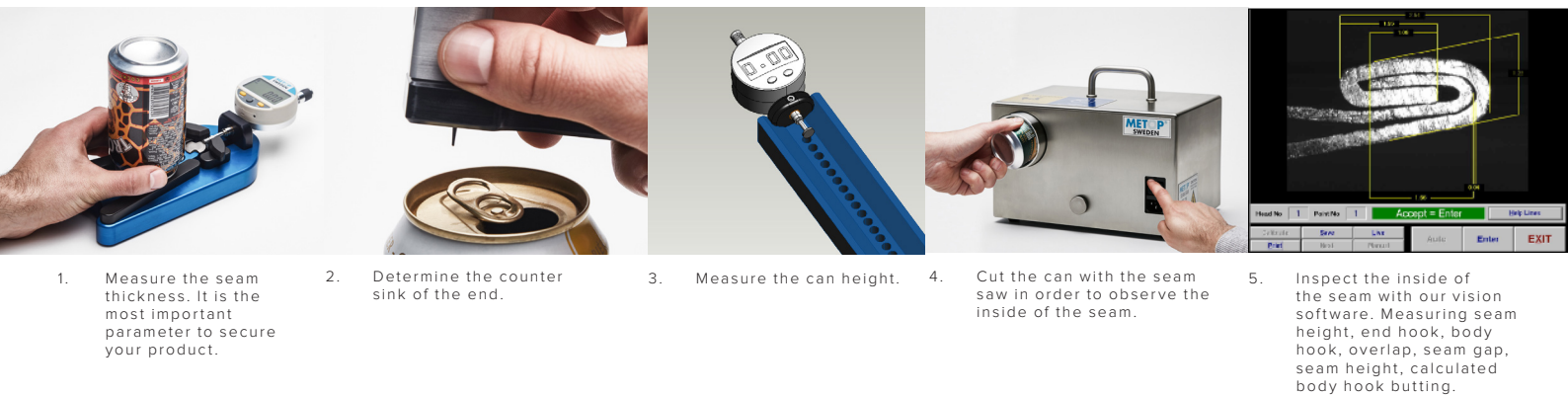
Our products have continuously been developing since 1987 and our technology always stays ahead in the canning industry.

The System makes seam evaluations both externally and internally.

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

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

Seam evaluation in five simple steps



1. Measure the seam thickness. It is the most important parameter to secure your product.

2. Determine the counter sink of the end.

3. Measure the can height.

4. Cut the can with the seam saw in order to observe the inside of the seam.

5. Inspect the inside of the seam with our vision software. Measuring seam height, end hook, body hook, overlap, seam gap, seam height, calculated body hook butting.

System Includes:

- 3rd edition robust Video seam unit.
- Winseam software - lite version.
- Counter sink, Can Height and Seam Thickness gauges.
- Seam saw for different can sizes.
- Metop industrial Box computer.

Key features:

- Plug n'Play, everything in one system.
- All internal measurements easily made with the VSU-3.
- Fully equipped computer with screen and all necessary parts.
- Tool box with all necessary tools.
- High Swedish quality.



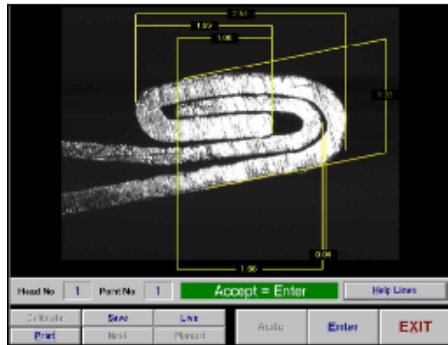
System includes

Winseam 5 Lite

The software is based on our proven full version of Winseam. All data from the external measuring gauges will be transmitted into the measuring report by a click. All measuring values will be stored in the computer.

*It takes approximately 1 second for the system to make all internal measurements **automatically** by means of a camera and vision measuring system.*

The image with the measuring lines and all reports can be printed out. Old reports can be searched and all your quality data are traceable to prove your quality to your customer.



Customer Company		DOUBLE SEAM CONTROL	
		Production Control	
Order No: 181110003	Lot number: LK 6 C10	Machine No: 0102	Production
Date: 2014	Lot name: C20	Brand: 1000	Quantity
Ref: 305ALU	Lot number: C10 & C10	Product: 1000	Task print
Head No: 1	Plant No: 1	Accept = Enter	Help Lines
Control	Save	View	Auto
Print	Next	Marked	Enter
			EXIT

Head No	Plant No	Control	Save	View	Auto	Enter	EXIT
1	1	Control	Save	View	Auto	Enter	EXIT

Head No	Plant No	Control	Save	View	Auto	Enter	EXIT
1	1	Control	Save	View	Auto	Enter	EXIT

A rating system evaluates all internal seam dimensions and highlights critical errors.

There is also a safety filter for unrealistic measuring values.

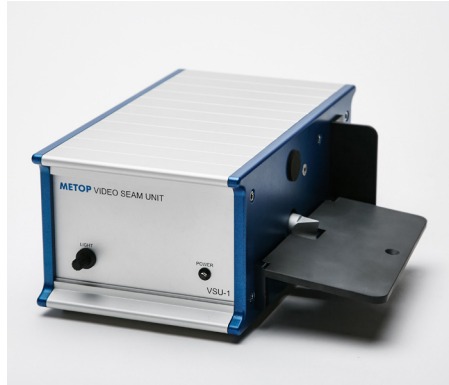


MSS-2LT

To cut the can

The MSS-3LT is a high speed Seam Saw with solid carbide 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 can 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.
- Adaptors to all sizes from slim to 211.



VSU-3

For internal measurements

The Video Seam Unit is an industrial vision mounted in an attractive aluminum enclosure. It is reliable and 100 % without moving parts, with built in vision measurement hardware.

- External reliable power supply.
- USB camera for superior quality.

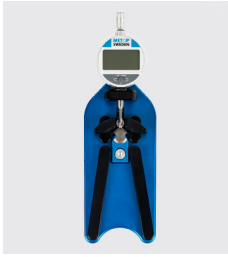


MCO-2

The intelligence in the system

Our new Industrial computer, mounted on the monitor. The Seam Computer is also ready to connect to your network.

- Industrial solid 15" computer monitor.
- Industrial fan-less Intel processor.
- External reliable power supply.
- C-Fast memory Card without any moving parts.
- Ethernet RJ45 ports for network.
- Mini-keyboard, mouse and all necessary cables are included.
- Embedded OS.



STH-3B

For external measurements

The Seam Thickness gauge is designed to automatically orient the can in the right position for measuring.
All can sizes for beverages can be measured.



CSK-2B

For external measurements

The Counter Sink gauge is a proven design to control the countersink depth. All can sizes can be measured.



CHT-3B

For external measurements

The Can Height Gauge is designed to accurately measure the can height in 1/100 mm.*
The height is easily measured for different heights just by inserting the measuring pin in the designated hole.

All the gauges come with a certified calibration block. The gauges are easily calibrated and correct measurements will always be guaranteed.
The data connection cables are included.



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. Made for all cans and easy to use.

Options:

- UPS, battery backed power conditioner and surge protection to protect the equipment (230v).
- Laser printer (230v).
- Foot pedal.

