



ModularLine

Article No. S63100

# SONIC SHEET TESTER (SST)

For:



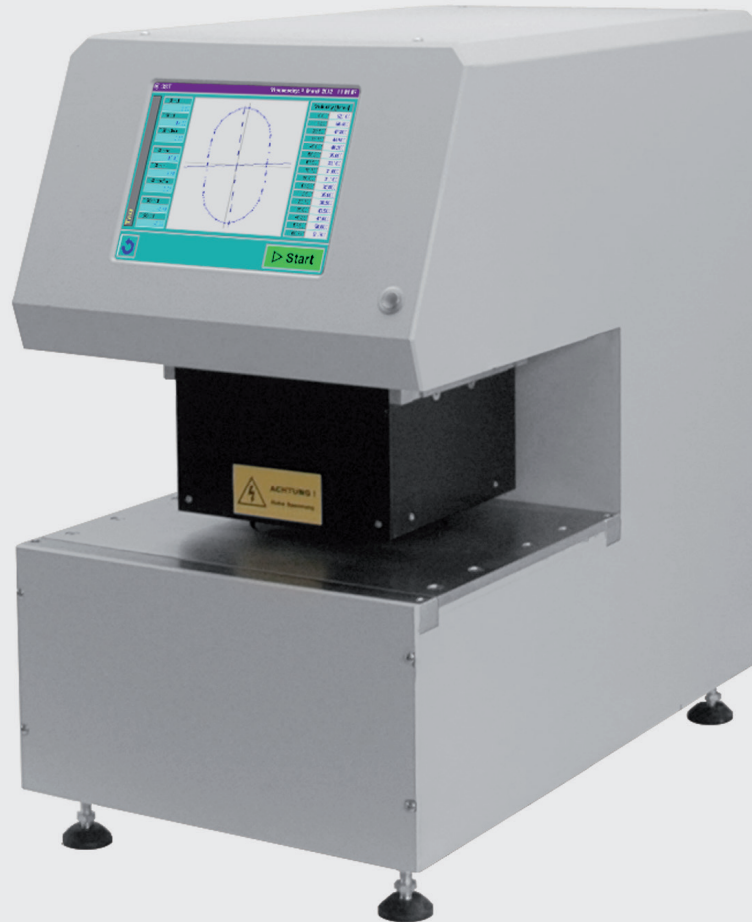
✓ PAPER



✓ BOARD



✓ TISSUE



## MOST IMPORTANT BENEFITS

- ✓ Easy to handle, with display of the distortion angle of the reel
- ✓ Display of graphs and single value directly on the touchscreen
- ✓ Measuring time approximately 5 sec per measurement
- ✓ Can be driven with single transport, and also built in a ModularLine

 **FRANK-PTI**  
QUALITY TESTING INSTRUMENTS

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## PRODUCT DESCRIPTION

The ModularLine sonic sheet tester is used wherever the characteristics of a material in further processing must be predicted. These range from simple cutting of the material to the final format, through colour printing, to corrugated board production. The raw materials can already be tested during production control for possible difficulties during further processing. This makes it possible to take action right then during ongoing production, and avoid later complaints. Additionally, the angle of maximum tensile stiffness orientation (TSO) provides the possibility of displaying the running characteristics of a paper machine. This allows the optimisation of processes, and the saving of time, energy, and effort.

## TEST DESCRIPTION

A measuring head with a diameter of 120 mm is pressed against the sample with a defined pressure. Ultrasound sensors capture the sound waves produced by the transmitter placed opposite. The time taken by the sound to travel directly and indirectly through the sample is the basis of this measurement. Based on this data, an algorithm is used to determine the angle of maximum tensile stiffness, along with the tensile stiffness index, which provides valuable findings on the cohesiveness of the material.

## TECHNICAL DATA

### DEVICE/INSTRUMENT

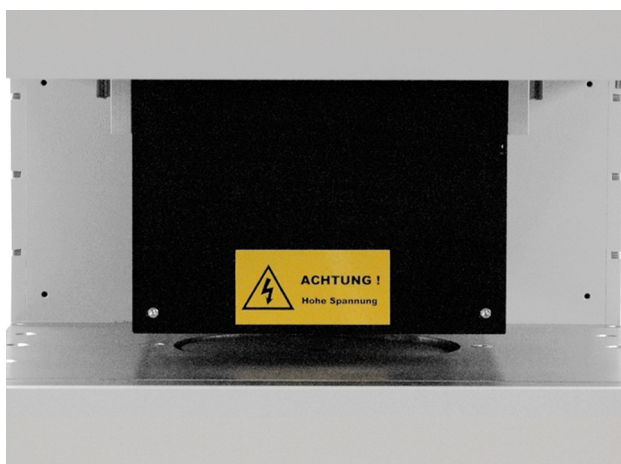
- Easy operation via the integrated touch screen
- Displays the warp angle of the tambour
- Measuring area:  $\varnothing$  120 mm
- 32 measuring angles, each of 11.25°
- Measuring range: 20 – 200  $\mu$ s (7.5 bis 0.75 km/s)
- 16 Ultrasonic sensors (8 pair)

### INSTALLATION REQUIREMENTS

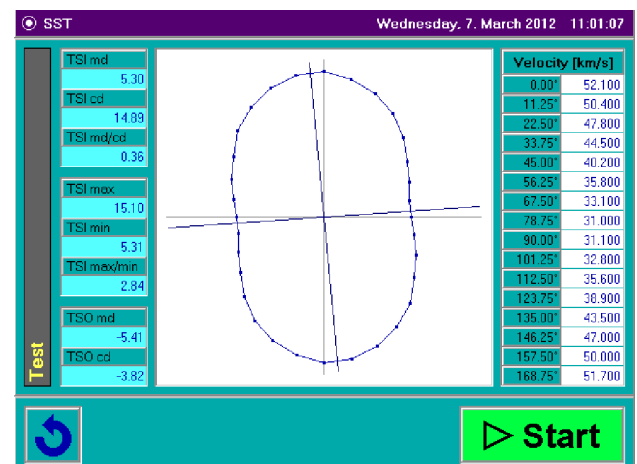
Electrical connection	110 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	4 – 6 bar

### APPLICABLE STANDARDS

No standards available



Lowerable measuring head



Display of results at touch screen