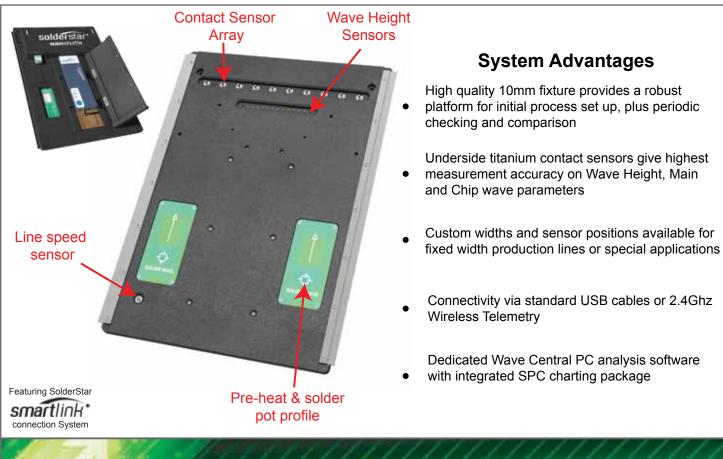
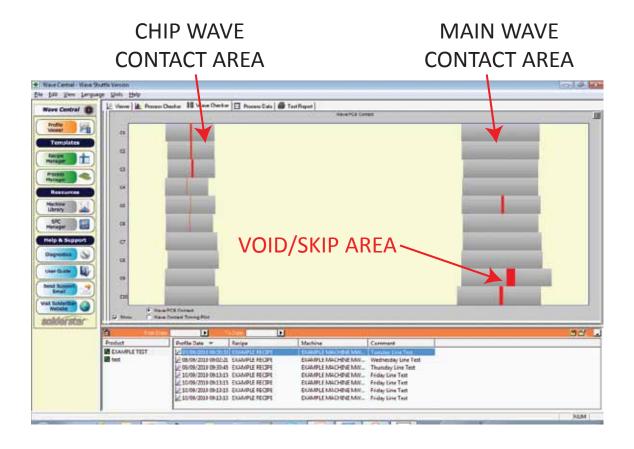
WaveShuttle PRO





Measure all key parameters in a single pass

The WaveShuttle Pro is an intelligent fixture that measures all key parameters from a single pass through the wave soldering machine. Thermocouples are combined with titanium contact sensors, allowing manufacturers to gain a true performance measurement of the wave soldering process.



Parameters Measured

Main Wave and Chip Wave dwell/contact time

Wave Height / Immersion Depth

Conveyor speed

Top side PCB temperature (Left & Right)

Solder Pot temperature

Delta T at Wave

PCB/Wave Contact Area

PCB to Conveyor Parallelism

Component Heating Rates

Real component temperatures (via spare channels & user test PCB)

Technical Data

Construction CDM Anti Static 10mm

Size (W x L x H) 250mm x 350mm x 30mm

Dwell Contacts 11 positions measured by on-pallet system

Contact sampling All contacts 100 times per second

Timing accuracy +/- 0.01 seconds

Wave Height Array 0.2 - 2.4mm

Temperature Type K

2 x PCB top side (Left and Right)

1 x Solder Pot

2 x User PCB/Auxiliary TYPE K

Temperature Accuracy +/- 1°C

Temperature Resolution 0.02°C (0.1°C displayed on graph)

Wireless Telemetry Option

Frequency 2.4GHZ Transceiver

Channels 128 Individual Channels

Protocol Zigbee PRO - Duplex Transmission

Software

Compatibility Windows™ XP Vista/Windows 7/8/10

32 & 64 Bit

Language Support English, French, German, Italian,

Portuguese, Spanish & Chinese

For demonstration software visit www.solderstar.com

Standard Equipment

- 250mm Width Pallet
- PC Software on CDROM
- Equipment Case

This product can be supplied as a stand-alone system complete with datalogger, or as an accessory to an existing SolderStar system. Please contact SolderStar or your local supplier for the optimum configuration for your soldering processes.

Customisation

Custom size pallets are available to special order where specific sizes are required to meet the needs of your production lines.

Optional Equipment

• 2.4Ghz Wireless Telemetry

Additional Process Support



REFLOW • WAVE • VAPOUR

A range of process specific accessories are available to extend the system for use with Reflow, Wave/Selective Soldering and Vapour Phase processes.

Specification subject to change without notification

For more information contact your regional Solderstar office



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