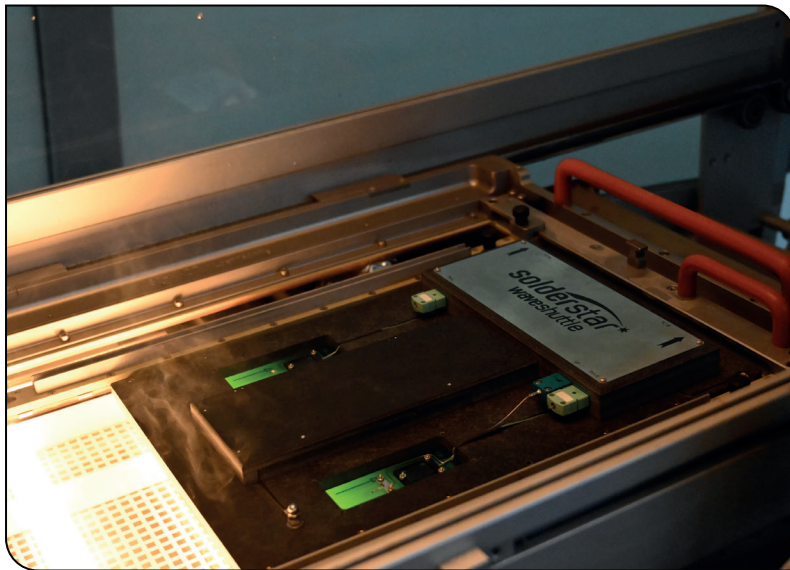




SLX

WaveShuttle - Wave Solder Optimizer



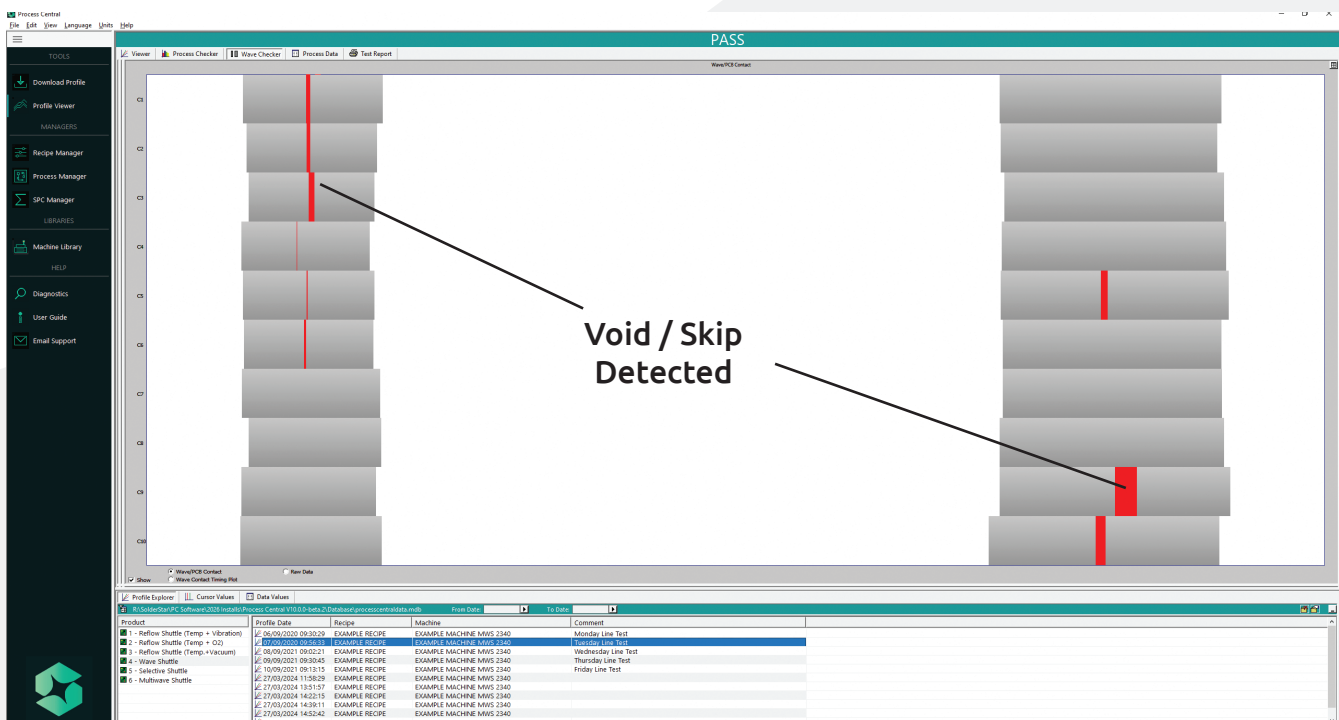
- High quality 10mm fixture
- Unique titanium wave contact and height measurement
- Custom widths and sensor positions
- Pre-heat profile and solder temperature
- USB or 2.4Ghz wireless download
- Automatic chip and main wave detection

## Measure all key wave solder parameters in a single pass of the machine

The SolderStar WaveShuttle quickly allows you to analyse, improve and gain control of your wave soldering process. This unique fixture incorporates two measurement systems to give the most comprehensive and repeatable measurement results of any analyser on the market today. Measurement of wave contact time, wave height, wave parallelism and temperature profile are all required to correctly setup the wave solder machine correctly, these measurements can now be captured in one single pass using this innovative and convenient device.

Contact Wave 1

Contact Wave 2



## Wave Soldering Parameters Measured

Main Wave and Chip Wave dwell/contact time
Wave Height / Immersion Depth
Line 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 Specification

Size	Standard size 250mm x 350mm x 30mm
Material	RICOCEL® Antistatic (ESD) composite
Contact Sensors	11 x Titanium contact sensors
Contact Sample Rate	All contacts 100 times per second (10mS)
Timing Accuracy	+/- 20mS
Wave Height	12 sensors: Standard 0.2 to 2.4mm (configurable for special applications)
Temperature Sensors	Type K 2 x PCB top-side sensors 1 x Solder pot sensor 2 x User PCB/Auxillary
Temperature Accuracy	+/- 1 °C

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.

## Customization

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

## Wireless Telemetry Option

### Frequency

2.4 Ghz Transceiver

### Channels

128 Individual Channels



## Software

### Compatibility

Windows 7/8/10/11

### Language Support

English, French, German, Italian, Portuguese, Spanish & Chinese

## For more information contact your regional Solderstar office



Solderstar Ltd

Unit C2 - Castle Park Industrial Estate

Bower Street, Oldham, OL1 3LN

United Kingdom

+44 (0)1706 354846

info@solderstar.co.uk



Solderstar Ltd

4600 140th Avenue North, Suite 180

Clearwater, Florida 33762-3814

United States

+1 (727) 461 2270

info@solderstar.com



Solderstar / PhoenixTM GmbH

Löhner Str. 108

Löhne, D-32584

Germany

+49 5731 3002811

info@solderstar.de