X-Speed Sensors

Nozzle Height Sensors

Y-Speed Sensors

Featuring SolderStar

**smartlink** *
connection System

Solder Temperature Probe

Pre-heat profiles
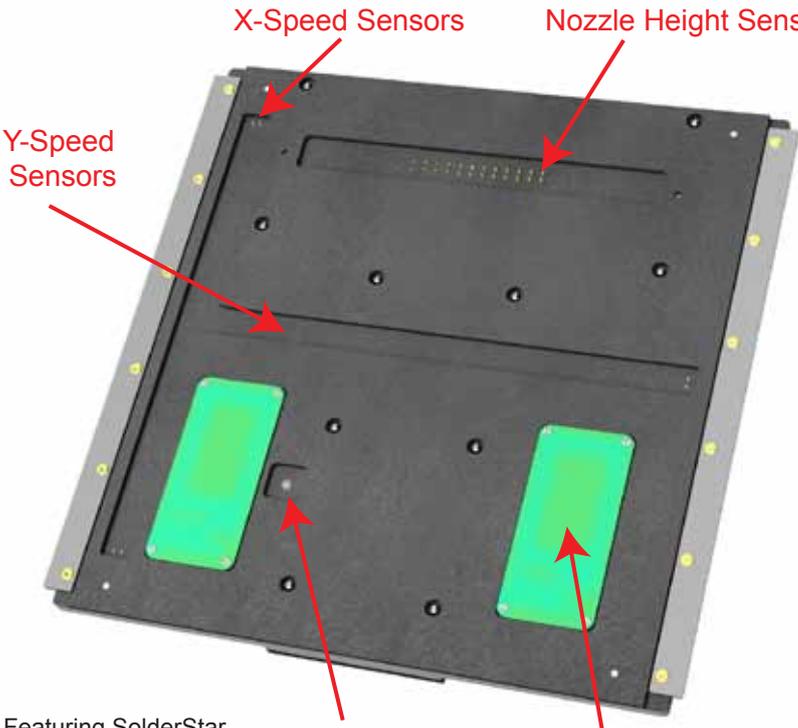
## System Features

- High quality 10mm fixture provides a robust platform for initial process set up, periodic checking and comparison

- Titanium contact sensors give highest measurement accuracy Solder Nozzle performance

- Fully enclosed and protected measurement system ideal for hotter lead-free processes

- Connectivity via standard USB cables or 2.4Ghz Wireless Telemetry

- Dedicated Wave Central PC analysis software with integrated SPC charting package

## Precise measurement and control for Mini-Wave Selective Soldering machines

The SolderStar Wave Selective provides detailed analysis of all key parameters from the selective soldering process. Pre-heat temperature profiles, solder pot and solder nozzle measurement sensors are combined in one easy to use measurement fixture, this unique tool allows manufacturers to quickly perform setup and verification profiles of their selective soldering machines



PROFILE GRAPH
AND DATA MANAGEMENT TOOLS

SELECTIVE PROCESS CHECKER CHARTS FOR RAPID GOOD/BAD ANALYSIS

# Parameters Measured

Solder Nozzle / PCB Contact Time

Solder Nozzle Wave Height / Immersion Depth

X Speed

Y Speed

Solder Pot Temperature

Peak PCB Topside Temperature

Heating Rates

# Technical Data

| | |
|---|---|
| Construction | CDM Anti Static 10mm |
| Size (W x L x H) | 310 x 300 x 30mm |
| Dwell Contacts | 4 measured by on-pallet system |
| | All contacts 100 times per second |
| | +/- 0.01 seconds |
| Nozzle Height Array | 12 contacts (0.2 - 2.4mm) |
| Temperature | Type K |
| | 2 x PCB top side (left and Right) |
| | 1 x Solder Pot TYPE K |
| | 2 x User PCB/Auxiliary TYPE K |
| Temp Accuracy | +/- 1°C |
| Temp 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*

• 310mm x 300mm 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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