Wave Profiler Fixture

- Quick Wave Solder Machine set up
- Profile Preheat and Wave Sections
- Measure Wave Parameters
- Optimize Preheat with Optional Software
- Check Conveyor Speed
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Check your wave soldering proce and fine-tune your machine for optimum performance with the KIC Wave Surfer™.

The Wave Surfer profiler fixture used in conjunction with your KIC profiler and the KIC software, provides critical data on wave solder machine set up and performance. This system ensures your wave solder machine is set up and performing properly.

The Wave Surfer and KIC profiler travel through the machine and collect thermal data in the preheat area using a sample PCB. They then collect specific wave information in the wave using embedded TCs.

The easy, accurate and repeatable operation uses KIC's award winning software. The software graphically guides you through each easy step to acquire a profile and optionally optimize the process. Once the profile is complete, the graph and report will display:

- **User defined preheat data and Process Window Index for:**
  - **Peak preheat temps**
  - **Ramp rates**
  - **Total time above temps**
  - **Miscellaneous user defined parameters**
- **Measured conveyor speed**
- **Dwell time**
- **Parallelism**
- **Solder pot temperature**
- **Machine settings**
- **Process specs and limits**

Technical Specifications

Dimensions (L x W x H): 411mm x 305mm x 37mm (16.2" x 12" x 1.5")

Weight: 2.509kg (5.53 lbs) without profiler and sample PCB

Max Temperature: 350°C

Thermocouples:

Wave Surfer Fixture: 5 Type K, sheathed 1mm (0.04")

Profile Board: 5 Type K, Teflon insulated .25mm (.01")

Pallet Material: Durastone, Black, Anti-Static

Hardware: Titanium and Stainless Steel

TC Protrusion: 0.1mm (.004")

Protrusion Tolerance: ±0.1mm (±.004")

Max Difference of all TCs: 0.05mm (.002")

The standard KIC Wave Surfer consists of:

- KIC Wave Surfer fixture complete with embedded thermocouples that meet or exceed special limits of error type K thermocouples.
- RoHS Compliant
- 2 Sample PCB's (light and heavy)
- 5 Self-Adhesive, Type K TC's
- KIC software and User Manual including a section on using the KIC Wave Surfer with your KIC profiler.

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Wave Solder Profiling Fixture

KIC ON BOARD

zAll KIC products are designed to give maximum value and fast payback by streamlining your thermal process. Investment in a KIC product is a step toward total process control and quality management. All KIC products come with a no questions asked, 30-day money back guarantee.

KIC *Innovation That Works™*