



SPS Smart Manual Profiler

The smart profiler for reduced cost, improved quality and convenient data sharing



SPS Advantages

- **Advanced Materials and Design**
- **Smart Oven Setup Software**
- **Compatible with KIC ecosystem**
- **2 Year Warranty**
- **24 Hour World Class Customer Support**



Smart Manual Profiler

Smart Capabilities

- Connectivity to factory level communication and analytics
- Integrated Navigator Power oven setup software. The standard Navigator software does an exhaustive search on all available oven setup combinations and selects the most optimum based on the user's criteria
 - » Center of process window
 - » Max conveyor speed
 - » Lowest electricity use
- PWI - Instant process analysis with a single number
- Unique process specifications for each thermocouple
- Mobile device accessibility
- Real-time profiling
 - » (Except the SPS 7 TC model which is also available in datalogging only)
- Intelligent software that condenses large data volumes into simple actionable information and insight

Optional Smart Capabilities

- Auto-Focus Power software with intelligent database to enable oven setup recommendations prior to running a profile
- Expandable to the KIC smart factory ecosystem
 - » SPS acts as the programming tool to KIC's real-time and automatic process transparency & traceability systems
 - » SPS can connect to KIC's factory level database model
 - ✓ Analytics
 - ✓ Data sharing
 - ✓ MES connectivity and more
- Sweet spot optimization. The most common optimization is to seek the mid point between the process window's high and low limits
 - » The sweet spot optimization enables the user to select a target point within the process window limits

Basic Features

- Fast and accurate manual profiling
- Single screen overview
 - » Profile graph
 - » Key profile data such as peak temperature
 - » Oven settings
 - » Suggested improved oven settings
- Intuitive user interface
- Solder paste specification library
- SPC and Cpk charting
- Profile stacking capabilities for multiple profile runs between data sharing. 30 profile capability.
- Available in 7, 9 and 12 TC versions

Hardware

- LCP (Liquid Crystal Polymer) enclosure for better heat protection and faster cool-down between profiles
- Robust and durable enclosure and shields tested to 5 foot drops onto cement floor
- Long lasting NiMH rechargeable batteries for a reliable and safe power source. Enables wall socket charging and USB charging direct from computer

Built-In Convenience

- Real-time profiling enabled via Smart Dock pairing (included with the real-time units) using ANT technology
- Record fast cooling to minimize wait between profile runs
- Secure and easy thermal shield opening and closing
- Instant profile analysis
 - » How well the profile accommodates the process window



