Manage your Reflow Profiling data-stream as <u>you</u> choose via MES, LAN, PC, mobile devices ...

What is it?

The ultimate automatic profiling system with network software for data sharing and traceability.

1 ea. RPI Automatic Profiling system

1 ea. Vantage factory intelligent network software

1 ea. RPI to Vantage license

What will it do for you?

- Full thermal process traceability
- Reduce scrap and rework via real-time thermal process dashboard and notification
- Improve production line utilization
- Faster defect troubleshooting
- Save engineering time with advanced data search and communication features for internal and external use

How does it work?

- RPI automatically acquires profile data in real-time from each product soldered in the reflow oven.

- The profile is compared to the relevant process window for traceability and for instant alarm on out of spec conditions.
- Basic SPC charts are automatically populated and warning levels set for Cpk level.
- The acquired data are continuously sent to the browser-based Vantage database residing on a server on the factory LAN.
- The Vantage search and filter functions display relevant process data from any connected RPI system in the factory.
- Search on customer or product name, time period, select production line, etc to instantly display the relevant data.
- Share your local URL with authorized personnel to facilitate clear communication where everyone is (literally) on the same page.
- Access all data from any authorized PC or mobile device anywhere.
- Share Vantage data with your MES to include reflow process product data in your factory software.

RPI SYSTEM

Minimum Hardware Requirements

CPU: Dual Core / 1 GHz Processor PC
RAM: 2 GB
Video: 1024 x 768 resolution / 16 bit
USB(s): 2 available ports (1 for data download, 1 for software key)
        2 additional powered USB ports may be needed
Ethernet and/or USB: 1 available Ethernet or additional USB
Minimum Space: 1 GB

System Components

Data acquisition unit/Probes
Two (2) thermocouple probes (each probe has 15 thermocouples)
One (1) data acquisition unit
One (1) speed encoder
One (1) board sensor
One (1) alarm relay
One (1) light tower
One (1) KIC RPI software with software protection dongle
Note: The RPI requires a KIC profiler

Hardware Specifications

Accuracy: $\pm 1.2°C$
Readings/second: 13
Thermocouples: Type K
Temperature Range: -150°C to 450°C
Dimensions: Data acquisition unit (LxWxH):
        308.6mm x 173.5mm x 35.8 mm
Probes: Length and thermocouple spacing is
        customized to each oven
Communications: Ethernet, RJ-45 connector
Computer Capability: PC
Power Requirements: 12V CD @ 300mA

Operating Systems

Visit our website at:
http://kicthermal.com/support-download/os-compatibility-chart for product compatibility with Windows operating systems

VANTAGE SYSTEM

Minimum Hardware Requirements

CPU: Quad core 2GHz+CPU
RAM: 16 GB
USB(s): 1 available port
Minimum Space: 10 GB
Network connection between Vantage, reflow oven controller(s) and browser (mobile, PC), MES or similar.

Hard Disk Requirements

All page content is stored in the database, while attachments are stored in the file system. The more attachments you have, the more disk space you will require.

Supported Platforms

Operating Systems:
Windows 10
Windows Server 2016

Databases:
Microsoft SQL Server 2016
Microsoft SQL Server 2014
Azure SQL

Desktop Browsers:
Chrome
Internet Explorer 11

Mobile Browsers:
Chrome
Safari

Corporate Headquarters
16120 West Bernardo Drive • San Diego, CA 92127 USA
+1(858)673-6050 Phone • +1(858)673-0085 Fax
sales@kicmail.com • tech@kicmail.com

kicthermal.com   kic.cn

European Regional Office
europe.sales@kicmail.com • europe.tech@kicmail.com

Asian Regional Office
asia.sales@kicmail.com • asia.tech@kicmail.com

All 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.

For more information on any of our products or sevice, please visit our website at: www.kicthermal.com or www.kic.cn.