



- ◆ Access Real-Time Process Data from Your Desk
- ◆ View the Status of All Your Reflow Ovens from a Single Screen
- ◆ Share Process Data with All Authorized Personnel without Meetings or Reporting
- ◆ Faster Response to Thermal Process Issues
- ◆ 24 Hour Customer Support

Real-Time Thermal Process Data Across Your Network

The KIC RPM (Remote Process Monitoring) System translates your complex process issues into an easy-to-understand visual format.

For the first time ever, your factory-wide thermal process quality and production status information is available in real-time across your network.

RPM Architecture

The RPM is comprised of the following three components (*see back of data sheet for conceptual illustration*):

KIC® 24/7™ Software

At the heart of the RPM is the KIC 24/7 process monitoring system embedded in your oven. The RPM outputs the KIC 24/7's critical thermal process data across your network to the KIC Server software.

KIC Server Software

The KIC Server software runs on a computer connected to your network and automatically collects all of your KIC 24/7 RPM output data. It then transmits the results to any

authorized user on your LAN that is properly logged on using the KIC Viewer software.

KIC Viewer Software

The KIC Viewer runs on any computer on your network (i.e. at your desk) and allows you to login and remotely monitor all the real-time KIC 24/7 RPM outputs collected by the KIC Server.

RPM Functionality

Every RPM enabled KIC 24/7 at your reflow or cure oven runs in Virtual Profiling mode, monitoring the process and providing you with real-time profile/process data for each product manufactured.

The Oven Name, Product Name, Process Window Index™ (PWI™), Real-Time Cpk and current Alarm State (green, yellow or red, with alarm text) are sent to your KIC Server as each product exists the oven.

The KIC Viewer logs you into the KIC Server and displays the pertinent data for all ovens on one screen, updating each oven's status as boards exit and new data is sent.

Remote
Process
Monitoring



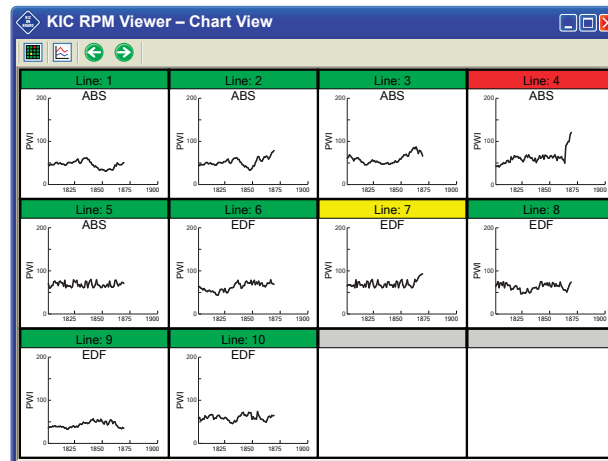
RPM ICON VIEW

The Icon view displays the oven name, product name, PWI value, Cpk and alarm state for each product as it exits the oven. Each oven is organized within its own box on the screen and uses a simple visual status for the entire process (green, yellow or red).

Line: 1	Line: 2	Line: 3	Line: 4	Line: 5
ABS PWI = 51% Cpk = 2.86	ABS PWI = 49% Cpk = 2.65	ABS PWI = 66% Cpk = 2.33	ABS PWI = 121% Cpk = 1.14	ABS PWI = 71% Cpk = 1.95
EDF PWI = 69% Cpk = 1.89	EDF PWI = 93% Cpk = 0.92	EDF PWI = 74% Cpk = 1.99	EDF PWI = 35% Cpk = 3.08	EDF PWI = 65% Cpk = 3.06

RPM CHART VIEW

The Chart view graphs the PWI value for the last 100 products processed through each oven. Each oven is organized within its own box on the screen and uses a simple visual status for the entire process (green, yellow or red).



Historical Data

When you right-click on an oven box you can drill-down and view the process history for that oven using the KIC 24/7 Profile Explorer. The history provides all the KIC 24/7 statistical analysis capabilities and functions you expect, such as: production event logs, production run data, SPC graphs, virtual profile data and troubleshooting charts. *See the KIC 24/7 data sheet for complete product details and specifications.*

COMPUTER CONFIGURATION

KIC 24/7 RPM Option Minimum Requirements

See the KIC 24/7 data sheet for requirements

KIC Server & Viewer Minimum Requirements

400 MHz Processor / 128 Mb RAM¹

1 Gb available storage

(on KIC Server for status information)

SVGA video 800 x 600 resolution, 8-bit color

(1024x768 / 16-bit or better recommended)

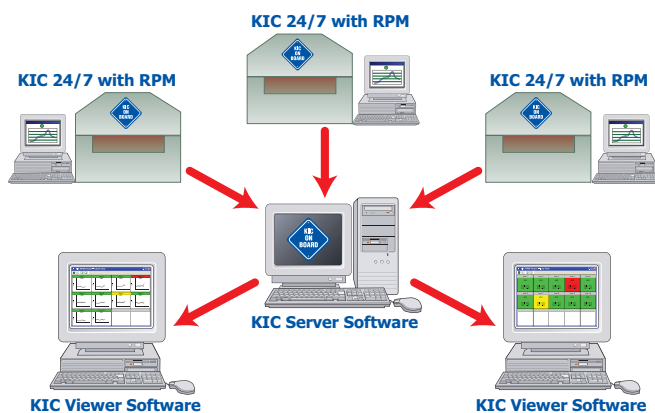
Preconfigured LAN connection

Microsoft® Windows® 2000, XP²

1 When KIC Server/Viewer Software is running simultaneously on the same computer as other application software, a faster CPU and more RAM may be required.

2 Contact KIC for issues with operating systems other than those listed.

RPM ARCHITECTURE DIAGRAM



RISK-FREE GUARANTEE

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.

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