

Thermal Process Optimization for Reflow Ovens

- ◆ Lower energy use
- ◆ Oven set up recommendations
- ◆ No sacrificed boards
- ◆ Fast production start-up
- ◆ Fast New Product Introduction
- ◆ 24 Hour customer service

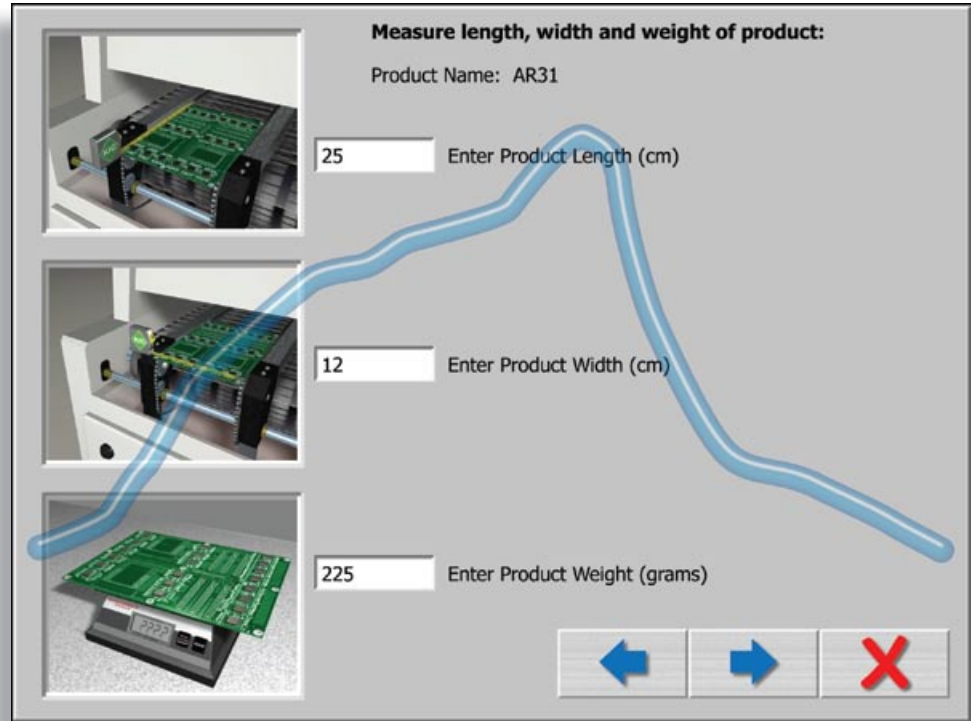
Measure length, width and weight of product:

Product Name: AR31

25 Enter Product Length (cm)

12 Enter Product Width (cm)

225 Enter Product Weight (grams)



Reduced Electricity Consumption

Case studies indicate an instant 15% drop in electricity use in reflow ovens. Where do the savings come from?

- Few reflow ovens are set up with consideration for electricity consumption, so they tend to run hot and fast
- KIC's Auto-Focus Power™ takes the slack out of the process by optimizing both throughput and heat/energy

Initial Oven Set Up

- The accumulating profile database contains a wealth of information on the thermal properties of the oven as it relates to varying product sizes and process windows
- This process intelligence is used to reduce or eliminate the need for profiling to set up the oven for a new application
- The user enters the product's Length, Width and Weight into the software
- Auto-Focus Power™ automatically recommends the oven set up that uses the least amount of electricity - *without* running a profile!

- Quick oven set up translates to less production down time

Optimization Criteria

- Lowest energy use
- The center of the process window
- Maximum throughput
- Fastest oven changeover (or a combination of these)

Ease of Use - Ease of Results

- Process insight and expertise built into the software
- Define the process window and minimum conveyor speed - delegate the rest
- Oven set up tasks may be handled by less experienced personnel - quickly
- Less production downtime

Versatile and Low Cost

- Auto-Focus Power™ works with both the SlimKIC™ and KIC Explorer™ family of profilers
- Works on virtually any reflow oven on the market - old or new
- The ROI tends to be exceptionally high due to the low investment cost combined with big cost savings

KIC®
Auto
FOCUS
POWER™



Thermal
Process
Set Up
Tool for
Lower
Electricity
Use



Innovation That Works™

KIC Auto-Focus

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← → ✖

The KIC Auto-Focus and KIC Auto-Focus Power is simple, fast and easy to use, requiring minimal input or technical experience. Once the necessary criteria are provided, Auto-Focus goes to work and in seconds you are presented a suggested initial oven set up. The recipe is ranked using the Process Window Index (PWI), so you immediately know where it falls within your process specifications.

KIC Auto-Focus includes the KIC® Navigator™ software option. KIC Auto-Focus Power includes the KIC® Navigator™ Power software option.

Auto-Focus and Auto-Focus Power expand the capability and potential of the KIC Software Platform by automatically optimizing your process set up.



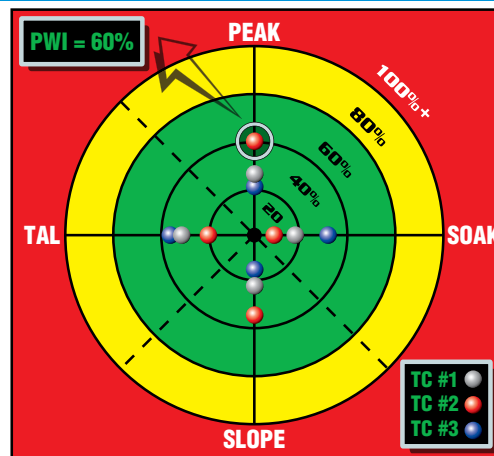
* KIC Explorer RF kit pictured above is not included in Auto-Focus Power product.

Note: The KIC Software Platform can interface directly with the oven controller, eliminating the need for manual setpoint data entry. Please consult your oven supplier for availability.

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.

THE PROCESS WINDOW INDEX™



Profiling Reduced to a Single Number

The PWI measures the profile's fit to the process window in a mathematical and objective manner by using a single number. This aids in optimizing the process by comparing and ranking alternative profiles in terms of their fit to the available process window. The lower the PWI, the more efficient and stable the process! (See the PWI data sheet for a detailed explanation)

COMPUTER CONFIGURATION

Minimum System Requirements

- 800 MHz Processor / 256 MB RAM¹
- 2 GB available storage (for product history)
- Video 1024 x 768 resolution / 16-bit
- 1 available USB port (for data download)
- 1 available parallel port or USB port (for software key options)
- Microsoft® Windows® 2000, XP or Vista²

- 1 When KIC Software is running on a computer with other applications, a faster CPU and more RAM may be required.
- 2 Contact KIC for issues with operating systems other than those listed.

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

European Regional Office

europe.sales@kicmail.com • europe.tech@kicmail.com

Asian Regional Office

asia.sales@kicmail.com • asia.tech@kicmail.com

www.kicthermal.com