



# VJ ELECTRONIX

A VJ Technologies Company

Incorporating



and



technologies

## The IR Preheater Series

Compact Programmable Board Heaters with Big Power



**Bench-top, Stand-alone, & Inline Versions Available**



**Use with Hand Tools for Optimum Manual Rework**

VJ Electronix proudly offers the **IR Board Heater Series** designed to work in conjunction with hand soldering and desoldering tools for manual rework of BGA,  $\mu$ BGA, etc. or as preheaters for use with equipment such as selective soldering systems for preheating boards to help eliminate board warping prior to rework with hot air tools, or underpowered rework systems that do not have large area, effective bottom heating.

The systems feature robust, flexible board fixtures that are easy to adjust. Spring-loaded board clips allow thermal expansion without bending boards. Many PCB tooling options are available, including four-sided board support, bottom board support, and extended reach board clips to accommodate irregularly shaped boards with ease.

Advanced microprocessor controls provide programmable heating levels. The thermocouple input may be used to monitor actual board temperature during the process. The combination of high power, efficient infrared heat transfer, and microprocessor controls bring a level of process control to manual rework which simply can not be attained with ordinary hand rework tools.

### IR-2

Heats 14" x 20" Boards  
120V/1,500W/2-Zone I/R Heating

### HD version

Heats 14" x 20" Boards  
230V/3,000W/2-Zone I/R Heating



### IR-4

Heats 20" x 24" Boards  
230V/3,300W/4-Zone I/R Heating

### HD version

Heats 20" x 24" Boards  
230V/4,400W/4-Zone I/R Heating

## The IR Preheater Series

|  | IR-2                    | IR-2HD | IR-4                    | IR4-HD |
|--|-------------------------|--------|-------------------------|--------|
| Heated Area  | 12 x 20" (305 x 508mm)  |        | 20 x 24" (508 x 610mm)  |        |
| Number of Heater Panels                                      | 2                       |        | 4                       |        |
| Heater Panel Size  | 10" x 12" (254 x 305mm) |        | 10" x 12" (254 x 305mm) |        |
| Heater Panel Watts   | 750                     | 1,200  | 750                     | 1,100  |
| Total Watts  | 1,500                   | 2,400  | 3,000                   | 4,400  |
| Number of Controllable Zones                                 | 2                       |        | 4                       |        |
| Controllable Zone Sizes                                      | 10 x 12" (254 x 305mm)  |        | 10 x 12" (254 x 305mm)  |        |
| Thermocouple Inputs  | 1                       |        | 1                       |        |
| Standard Board Fixture Capacity                              | 14 x 20" (356 x 508mm)  |        | 20 x 24" (508 x 610mm)  |        |
| Standard Bottom Clearance                                    | 1.5"                    |        | 1.5"                    |        |
| Standard Voltage (VAC)                                       | 120/230                 | 230    | 230                     | 230    |
| Standard Amps  | 15                      | 15     | 15                      | 20     |
| <b>Customization of all models is available upon request</b> |                         |        |                         |        |



*Board Fixture Options: Shown here are optional left and right board support rails, bottom board support, and extended-reach board clips.*

### **A Commitment to Quality Products. A Commitment to Unmatched Service.**

VJ Electronix is affiliated with VJ Technologies Group, a worldwide leader in X-Ray technology. For twenty years, the company has ensured its market leading position through technological firsts and a variety of innovative cost effective solutions. A worldwide network of service professionals supports installed systems with fast, reliable, economic service.

*Information contained within this document is subject to change without notice.  
Consult VJ Electronix for the latest published equipment specification.*

### **Worldwide Sales and Service locations include:**

Littleton, MA ♦ Bohemia, NY ♦ East Haven, CT ♦ Buford, GA ♦ San Diego, CA ♦  
Monterey, Mexico ♦ Munich, Germany ♦ Bangalore, India ♦ Suzhou, China ♦ Bangkok, Thailand



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