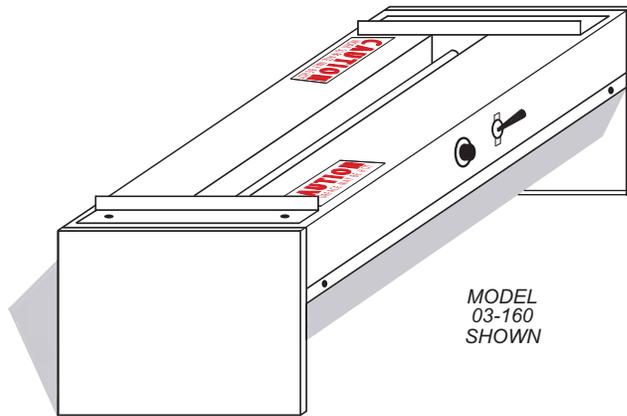




# Model Series 160 Plastic Forming Strip Heaters OPERATING MANUAL



**⚠ CAUTION HOT SURFACES  
AND EXPOSED ELEMENT**

Specifications	MODEL 03-160	MODEL 13-160	MODEL 23-160
<b>Overall Dimensions</b>			
INCHES W x H x D	15.125x5.5x7.25	25x5.5x7.25	36x5.5x7.25
(CM) W x H x D	38.45x14x18.4	63.5x14x18.4	91.4x14x18.4
<b>Working Area</b>	12"	21"	33"
<b>Weight (lbs)</b>			
SHIPPING	7 lbs	9 lbs	12 lbs
STAND ALONE	6 lbs	7 3/4 lbs	10 1/2 lbs
<b>Standard Electrical*</b>			
VOLTS / WATTS	115 / 125	115 / 200	115 / 350
AMPS	1.08	1.72	3.02
<b>* Working Max Operating Temperature Range (F)</b>	325° / 410°	340° / 435°	325° / 410°

\* Measured with workpiece in place - (varies with piece size and length).

## Common Unit Construction

<b>Exterior:</b> Powder-Coated Steel	<b>Plug/Cord Assy:</b> UL SJOW 18/3
<b>Power Controls:</b> On/Off Toggle & Power Light	<b>Heater:</b> Resistive-Tubular Incoloy

## Safety Precautions ⚠ Read Operating Instructions Thoroughly Prior to Operation

Read Operating Instructions thoroughly prior to operation. Use only a grounded outlet that is rated for your models' electrical requirement. Conduct periodic maintenance as required. ⚠ CAUTION: EXPOSED ELEMENT - Operate unit well away from flammable solvents, gasses and materials. Operate on non-combustible surface only.

## Receiving

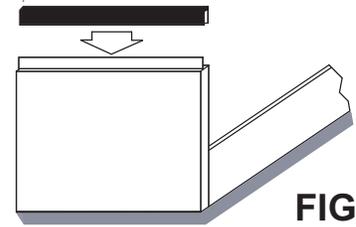
After unpacking, verify receipt of correct quantities of each component and that each component has not suffered any shipping damage. If there are any problems, please refer to the enclosed **Damaged/Missing Item Report**.

## Set-up

Place the unit face down on a work surface.

Separate the legs of the "no-skid" foot cover strips and place over the exposed bottom edge of each end cap. **FIG. 1**

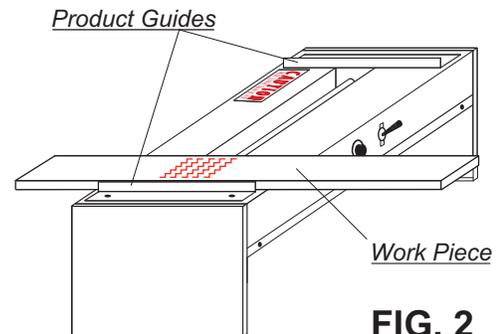
Place the unit upright, with the exposed element facing up and plug the unit into a grounded outlet. Turn the unit on and allow it to come up to the operating temperature (approx. 10-12 minutes).



**FIG. 1**

## General Operation

Place the plastic workpiece to be formed on the work surface with the area to be formed over the element. Turn the piece over at regular intervals. This will ensure that the plastic is heated evenly throughout its thickness and that it is not overheated, causing the plastic to bubble or even scorch. Product guiderails are provided on each side of the unit to help keep part perpendicular to heating element for accurate heat-through. Various types of plastics, as well as thicknesses, will require different heat-through times before it can be formed. Trial and error testing of scrap pieces will ensure the best possible results for the actual parts.



**FIG. 2**

## Maintenance

**!** Unit should be turned off and let stand to allow heating element to cool to room temperature before cleaning. Clean exterior surfaces with a damp cloth or with an all-purpose cleaner. Only area around heating "element well" should be cleaned. Do not get cleaning solutions on actual heating element surface. Heating element area should be kept free from all debris at all times to eliminate the risk of fire.

## Tech Support

If you have any questions or need technical assistance, please contact Quincy Lab customer support at

Voice: 800-482-HEAT  
Fax: 773-622-2282  
Email: [information@quincylab.com](mailto:information@quincylab.com)

Quincy Lab, Inc.  
1925 North Leamington Avenue  
Chicago, Illinois 60639

### Replacement Components - Model's: 03-160, 13-160, 23-160

COMPONENT	MODEL	PART NUMBER	COMPONENT	MODEL	PART NUMBER
Replacement Element	03-160	1212-03	Indicator Lamp	Universal	101-2202
Replacement Element	13-160	1212-13	Toggle Switch	Universal	301-2251
Replacement Element	23-160	1212-23	6' Cord & Plug 115V 18GA/3 wire	Universal	101-1803

## Limited Warranty

Quincy Lab, Inc. warrants to the original purchaser that this product will be free from defects in material and workmanship under normal use throughout the warranty period. The standard warranty period for this instrument is 18 months, (3-year coverage on the heater element), from date of shipment. Please refer to your invoice or shipping documents to determine the effective warranty period. This warranty covers parts and labor (labor at factory only), and shipping cost for replacement parts.

