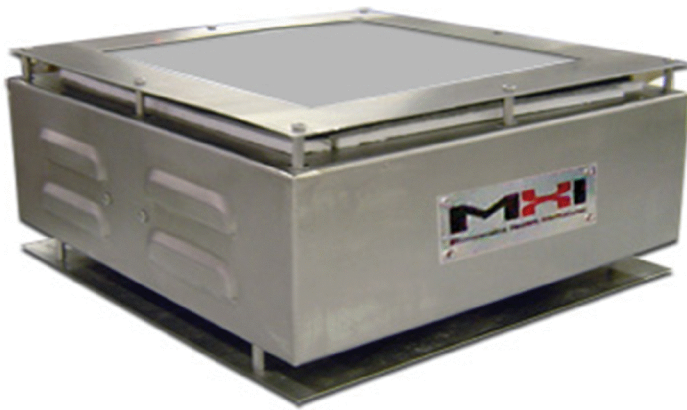


## High Power Thermoplate

**4 second heat-up rate!**

(after full power is achieved)

The secret to our Thermoplate is the 'Top' material!



- Compare Power: to the power of many other hot plates available today (3 kW for Thermoplate).
- Compare Temperature: Up to 1450C depending on model.
- Compare Construction: Stainless steel construction.
- Sleek Quartz top for easy cleaning and rapid heat up.
- Models also available with thermal-shock resistant ceramic tops.
- Spiral elements give extremely uniform temperature distribution.
- Special high uniformity RTP heaters also available.
- Locatable control electronics shown below.



### MHI-DACS

Data acquisition & control software



### BPAN-O-2010

or

### BPAN-O-PLUS-2010

Programmable PID control panel



Thermoplate Models		Size	Voltage
HP220-1000BO	1000°C Models have a quartz top. BPAN-O-2010 included.	9"D x 9"L	220/230/240V
HP220-HIGHBO-1250	Very high temperature (1250°C) models with UltraSpiral and thermal shock resistant ceramic top. BPAN-O-2010 included.	9"D x 9"L	220/230/240V
HP220-HIGHBO-1450	Very high temperature (1450°C) models with UltraSpiral and thermal shock resistant ceramic top. BPAN-O-2010 or BPAN-O-PLUS-2010 included.	9"D x 9"L	220/230/240V

**Thermoplate Uniformity**

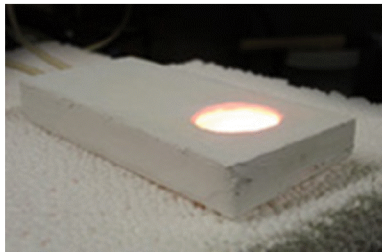
Customer feedback on hot plate:

"...experience was that the hot plate center would get to temperature first then over time the edges would come up temperature and be uniform. I believe once steady state was reached the uniformity was +/- 2 or 3C."

Please call MHI on details and full explanation. The uniformity will depend on the thermal environment and other factors.

**Semi Finished Modules**

Shown below are semifinished heating modules for integration into your OEM equipment. Note that semi-finished modules and all other heating devices shown on this website need to be installed only by certified electricians who are cognizant of the dangers that come from exposed electrical and thermal systems.

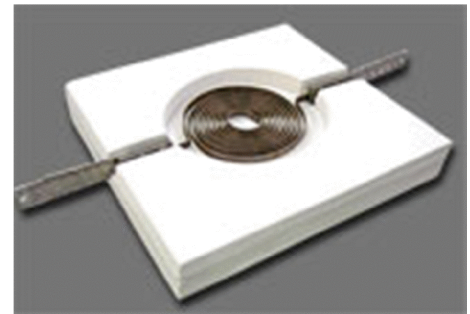
<b>HeatPad™ Microheaters (1250°C and 1600°C)</b>		
	<p><b>Unique high watt density, one-sided circular spot heater</b>  <b>1", 2", 3", and 3.5" models</b>  <b>Design with terminals as shown</b>  <b>Substrate Heater</b></p>	
	Maximum Temperature	Key Selection Feature
<b>General specifications:</b>	<b>PH-G4 Models</b>	available in 1", 2", 3", 3.5" and custom

**High Power Semi-Finished Plate Modules.**

**GA-XP 1300°C\*.**

**Horizontal use only.**

GA-XP is a high power pancake radiator. It produces operating temperatures up to 2372°F (1300°C). The element is supported by a non-reactive ceramic base plate that is provided with the heating element.



**GA-XP-4.5 with base plate**

\*Only GP ([Glow Panel Models](#)) may be used in a non-horizontal position.

Model #	Power	Voltage
GA-XP-3	700W	7.6V
GA-XP-4.5	1000W	10V
GA-XP-6.5	3000W	33V
	800W	12V
<b>GA-XP (Base Plate Included - FiberFree™ non-toxic)</b>		