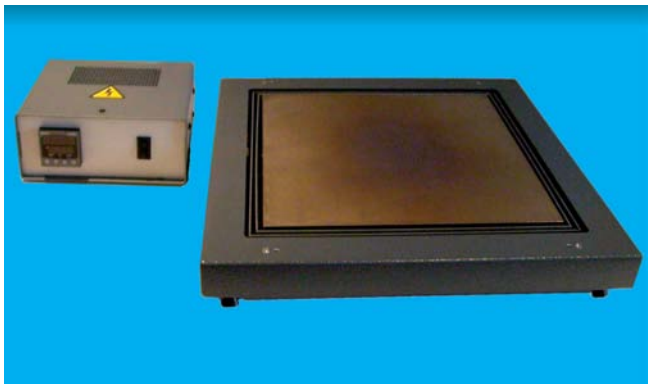
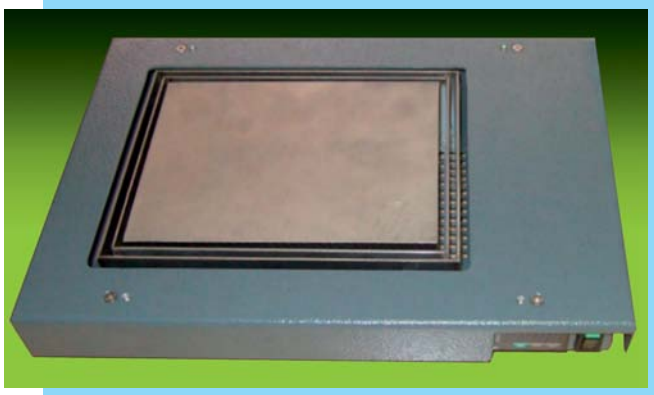
Heating plates with thermal barrier
Compact models or separated case models



Heating plate with separated case



Compact heating plate

Heating plates with thermal barrier

The constraints linked to the production's or repair's post environment brought us to make two different versions: the separated case and the compact versions. They are principally designed for applications as putting in temperature, preheating, repairing circuits in CMS or traditional technology, glue drying… They give the following advantages:

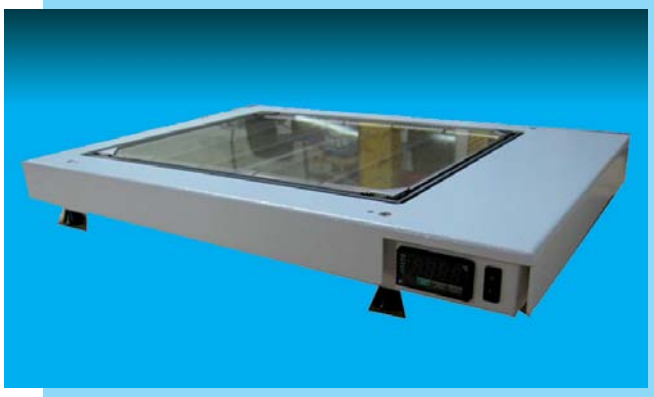
- *Quick rise of temperature*
- *Effective for leadfree alloy soldering resumption*
- *High temperatures for some models*
- *Low height, maximum 65 mm*
- *Upper cap height adaptable (allows, for example, to raise the circuit according to the heating plate's position: no other tool needed…)*
- *Thermal security, thanks to the thermal belt , the place where we put hands is temperate*
- *Lots of available models; possibility to build your products with custom dimensions and colours*

Technical characteristics of the heating plates

Model C = Compact	Dimensions of the plate (L x W) (mm)	Dimensions of the heating area	Capacity / Power supply	Regulation	Rise in temperature time	Maximum temperature	Separa--ted Case
PC1	300 x 300	420 x 420 x 65	2700 W / 230 V 50/60 Hz	PID 2 screens	0 to 400° / 30'	400°C	Yes
PC1C	300 x 300	480 x 420 x 55	2700 W / 230 V 50/60 Hz	PID 1 screen	0 to 300° / 15'	300°C	No
PC2	200 x 150	320 x 270 x 65	1500 W / 230 V 50/60 Hz	PID 2 screens	0 to 400° / 30'	400°C	Yes
PC2C	200 x 150	380 x 270 x 55	1500 W / 230 V 50/60 Hz	PID 1 screen	0 to 300° / 15'	300°C	No
PC3	150 x 100	270 x 220 x 65	500 W / 230 V 50/60 Hz	PID 2 screens	0 to 400° / 30'	400°C	Yes
PC3C	150 x 100	330 x 220 x 55	500 W / 230 V 50/60 Hz	PID 1 screen	0 to 300° / 15'	300°C	No
PC 300x150	300 x 150	420 x 270 x 65	1500 W / 230 V 50/60 Hz	PID 2 screens	0 to 400° / 30'	400°C	Yes
PC 300x150C	300 x 150	480 x 270 x 55	1500 W / 230 V 50/60 Hz	PID 1 screen	0 to 300° / 15'	300°C	No
PC 300x200	300 x 200	420 x 320 x 65	2000 W / 230 V 50/60 Hz	PID 2 screens	0 to 400° / 30'	400°C	Yes
PC 300x200C	300 x 200	480 x 320 x 55	2000 W / 230 V 50/60 Hz	PID 1 screen	0 to 300° / 15'	300°C	No
PC 300x350	300 x 350	470 x 420 x 65	3000 W / 230 V 50/60 Hz	PID 2 screens	0 to 400° / 30'	400°C	Yes
PC 300x350C	300 x 350	530 x 420 x 55	3000 W / 230 V 50/60 Hz	PID 1 screen	0 to 300° / 15'	300°C	No
PCM 450	450 x 150	570 x 270 x 65	2200 W / 230 V 50/60 Hz	PID 2 screens	0 to 400° / 30'	400°C	Yes
PCM 450C	450 x 150	630 x 270 x 55	2200 W / 230 V 50/60 Hz	PID 1 screen	0 to 300° / 15'	300°C	No
PCM 500x400	500 x 400	620 x 520 x 65	3200 W / 230 V 50/60 Hz	PID 2 screens	0 to 400° / 30'	400°C	Yes
PCM 500x400C	500 x 400	680 x 520 x 55	3200 W /230 V 50/60 Hz	PID 1 screen	0 to 300° / 15'	300°C	No

Infrared preheating plates

PCIR5



Infrared prehreating plates

Contrary to heating plates by radiation, infrared allows you to have an immediate rise in temperature. Moreover, the possibility to have an external probe allows you to have a good control of the temperature on the part to be heated, so there is no need to be in contact with the heating plate anymore. In the medium of electronics, using new leadfree alloys obliges you to raise the temperature of the soldering irons by about 30 to 40°C , which sometimes generates problems such as making components overheat. The use of these plates avoids these problems by maintaining the PCB temperature to about 120 to 130°C, which allows for the decrease in temperature of the soldering iron.

Common characteristics to all the models

- Surface in vitro ceramic, resistant to chemical aggressions, easy to clean.
- Instantaneous heating ensured by quartz cassettes of medium wavelength.
- No more need of a support or a tool to raise the height of the PCB, the design of the plate allows, thanks to a clever system, to raise the height of the PCB in relation with the vitro ceramic surface.
- Digital display of the real temperature and of the setting.
- Security: thanks to the thermal barrier, the edge is cool enough to touch.
- Security: the temperature of the plate is permanently displayed, even when the plate is not heating any more.
- Option: possibility to connect an external probe.
- Possibility to manufacture customized plates, with dimensions and colour of your choice.

Technical characteristics of the infrared preheating plates

Model	Dimensions of the heating zone (L x W) (mm)	Total dimensions	Capacity / Power supply	Regulation	Maximum temperature
PCIR1	250 x 65	370 x 235	400 W / 230 V 50/60 Hz	PID 1 screen	400°C
PCIR2	250 x 130	370 x 300	800 W / 230 V 50/60 Hz		
PCIR3	250 x 195	370 x 365	1200 W / 230 V 50/60 Hz		
PCIR4	250 x 260	370 x 430	1600 W / 230 V 50/60 Hz		
PCIR5	250 x 325	370 x 495	2000 W / 230 V 50/60 Hz		
PCIR6	250 x 390	370 x 560	2400 W / 230 V 50/60 Hz		

For other dimensions, please contact us

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