

PROFESSIONAL MOULD'S HEATING STAND USER MANUAL

(Please do not use it BEFORE carefully reading those instructions)

INTRODUCTION:

The Professional mould's heating stand with detached metal steel lid is especially designed to heat up and keeps needed temperature of metal/graphite moulds for a metal casting process. It has a ceramic heating element and an analogue temperature controller in separate box.

Alternatively the heating stand can be used to heat up small peaces of metal, some types of clays or small pieces of glass inside the chamber or on its metal lid.

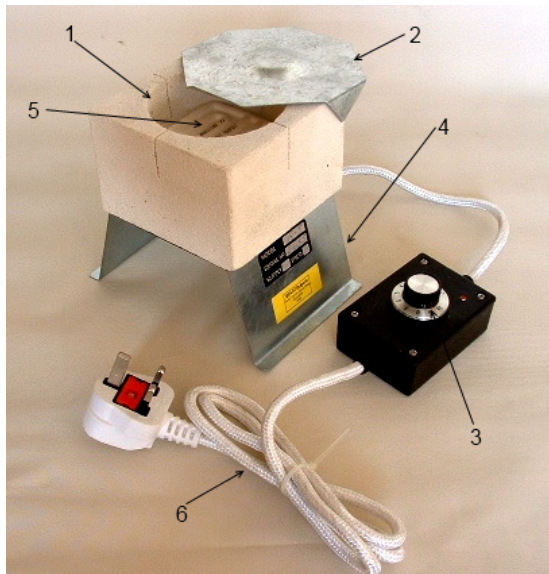
The maximum temperature of the heating element is about 700°C / 1484°F.

TECHNICAL SPECIFICATIONS:

MODEL:	Professional Mould's Heating Stand
VOLTAGE / AMPERAGE:	115V / 220V /240V (USA, EU, UK versions plugs)
POWER:	250 Watt
MAXIMUM HEATING T°C/ °F:	700 °C / 1484 °F
AVERAGE REGULATED T°:	20°C - 700 °C (68°F /1484°F)
AVERAGE HEATING TIME:	20 Min
TEMPERATURE REGULATOR (ANALOGUE):	YES
MAX MOULD'S DIMENTION(MM)	60(W)x30(H) or 90 Ø
HEATING STAND DIMENSIONS:	115(W) x 150(H)
WEIGHT:	0.95 Kg

DELIVERY SPECIFICATIONS:

- Heating stand with an analogue T-regulator.
- SS mesh stand for heating element.
- A metal lid.
- Power cable – 1.2 M.



PICTURE OF HEATING STAND:

1. Heating stand's chamber (top view).
2. Metal lid.
3. Analogue temperature controller.
4. Metal stand.
5. Ceramic heating element.
6. Power cable.

PREPARING THE HEATING STAND FOR FIRST USE:

IMPORTANT: First time heat up the heating stand for approximately 3-5 minutes to allow water to evaporate from the chamber and inside the stand. Otherwise there is a risk of causing damage (small cracks) to the chamber. Let the heating stand full cools down before you start work. If the heating stand is to be used for less than once per month please repeat this process each time the stand is used.

1. Remove the heating stand from its original packaging. The four cuts on the chamber' body specially design preventing the surface from cracking when exposed to high temperatures.
2. Check that the temperature analogue regulator is turned on 'OFF' (0) position.
3. Connect the heating stand to a power supply. Regardless of your country you will get a stand with USA, UK or EU standard plug.
4. Place your mould inside the chamber only on SS mesh stand (never put your mould directly on the ceramic heating element and never cover it by metal lid to avoid any damages of ceramic heating element on high temperatures).
5. Install needed temperature by turning ON analogue regular (1-10 = 20° C/68° F – 700° C/ 1484 °F) on correct digital position (each digit increased temperatures on about 70 °C/ 158 °F).
6. Use the metal lid as a stand for heating up moulds up to 200 °C.
7. Before casting process, remove your mould from the chamber, cover chamber by the lid, put mould on top of the lid and start casting. Never cast metal in a mould when it is INTO the chamber.

SETTING THE ANALOGUE TEMPERATURE REGULATOR FOR THE FIRST TIME:

IMPORTANT: We highly recommend to practice in order to adapt the temperature controller before you move on to your original work to achieve the best result. The maximum working temperature is 700°C/ 1484° F.

1. The analogue temperature regulator has 10 positions. It is a linear electronic controller and you can easily turn the knob to switch to the position you need. Each point is equivalent to about 70°C/ 158 °F +/- 20%.
2. Turn the knob clockwise or anticlockwise to get the temperature you require.
3. You will require 20 minutes to reach the highest temperature of the heating element (700 C).
4. Keep the stand on high temperature no more then 90 minutes then cool it down and start heating again if required.
5. Always make sure that all devices have operated properly and when heating process is finished, always disconnect the heating stand from a power supply.

SAFETY INSTRUCTIONS:

- Always use a SS mesh stand (between the heating element and your mould) to avoid any damaged.
- The heating stand should be positioned on a level surface that will not be damaged by heat. A masonry or concrete floor is recommended, but other protective material like metal or ceramic top may be used.
- Wear heat resistant gloves and use metal steel holders/tweezers to remove your mould from the heating stand (available 24/7 on www.technicalsupermarket.com).
- Keep the heating stand out of reach of children as the body of the heating stand gets hot from the high temperature inside the chamber. The heating stand should be kept away from all inflammable materials such as curtains, shredded paper etc. When the heating stand is in use never leave it unattended due to the high temperatures reached.

OTHER TYPES OF KILNS EQUIPMENT, INSTRUCTIONS, PARTS, SERVICES, AND ACCESSORIES ARE AVAILABLE 24/7 ON www.technicalsupermarket.com