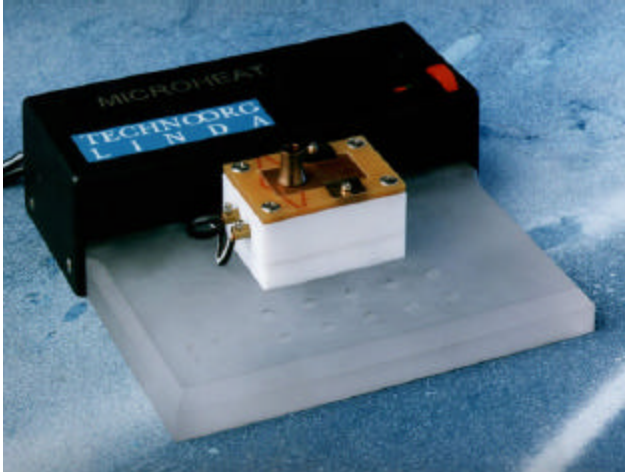


MicroHeat



TEM Sample
Preparation



The MicroHeat is a small, compact hot plate which allows an easy method for mounting 3mm TEM specimens prior to grinding and polishing or ion beam milling. During the specimen preparation process it is critical to mount the specimen properly, and the unique size of the MicroHeat allows observation of the mounted specimen with a stereo microscope. This allows high quality specimens to be prepared with accuracy.

Operation

The Model TL-MH1 is a relatively simple instrument to operate. It uses a control circuit which amplifies the signal of the thermocouple underneath the heated table. The circuit compares it to the temperature preset on the control panel, and if the temperature of the table is smaller than the required value, the control circuit switches on the heating element. Once the heated table reaches the required temperature the control circuit switches off the heating element. The control circuit maintains the temperature of the heated table to within +/- 2 degrees Celsius. The temperature of the heated table usually reaches the set temperature within 2-5 minutes of operation. However, it is recommended to operate the plate at least 5 minutes after switching the instrument on.

Technical Data

Input Power:	6 VAC
Power Consumption:	maximum 14 W
Temperature Range:	50 - 200 degrees Celsius (continuously adjustable)
Dimensions:	100 x 100 x 30 mm



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