

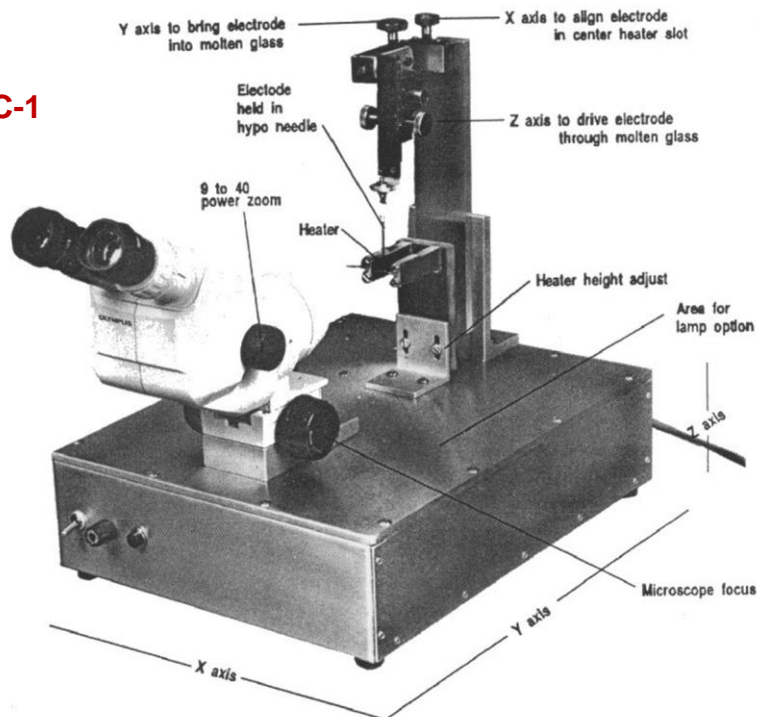


**BAK ELECTRONICS, INC. *Biomedical Instrumentation***

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## *Metal Microelectrode Glass Coater*

### **Model MMGC-1**



### ***Description:***

The Model MMGC-1 is specifically designed for glass coating metal microelectrodes. The device has a platinum band heating element with its center formed into an omega type U shape where a glass bead is placed and heated to the proper molten consistency. The heater control knob provides the adjustment required to achieve this. The electrode is placed and held by a hypodermic needle. The y-axis is then set so that the electrode is in front of the heating element and molten glass. The x-axis is then centered the electrode to the glass. While viewing through the microscope, the z-axis is then adjusted vertically so that they-axis can back the electrode into the glass with just the right amount of tip exposed out of the bottom of the glass. When the fine z-axis adjustment is achieved leaving just the proper tip exposed, the electrode is then driven straight downward to coat the length of the electrode shaft. The y-axis adjustment then takes the electrode back out of the glass and the electrode is removed.

## **Specifications:**

X-Axis Or Right To Left Adjustment: 13 mm

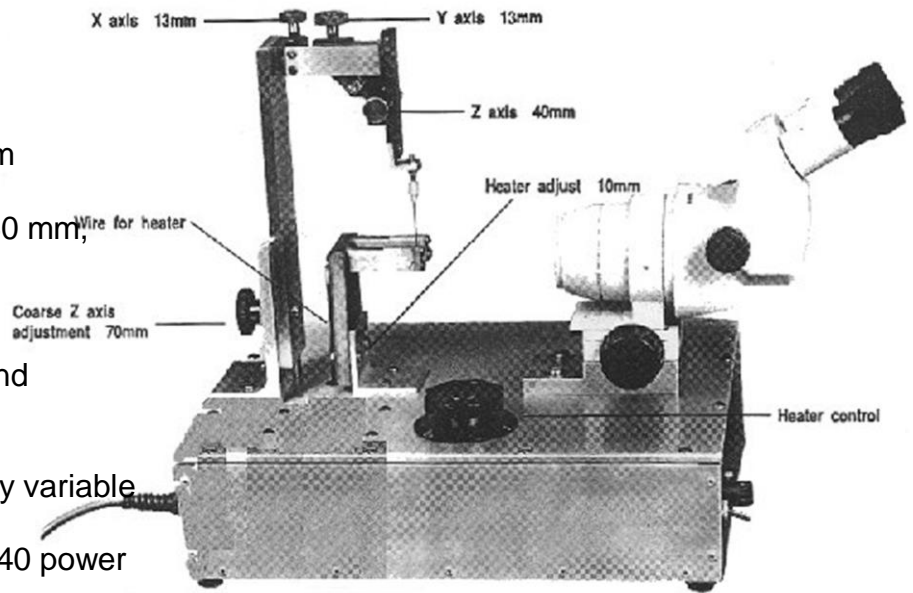
Y-Axis Or Front To Back Adjustment: 13 mm

Z-Axis Or Up And Down Adjustment Fine: 40 mm,  
Coarse: 70 mm

Heating Element: 0.01" x 0.09" platinum band  
adjustable 10 mm in z-axis

Heating Element Temperature: Continuously variable

Microscope: Olympus Zoom Binocular 9 to 40 power  
Power: 110VAC, 60Hz



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