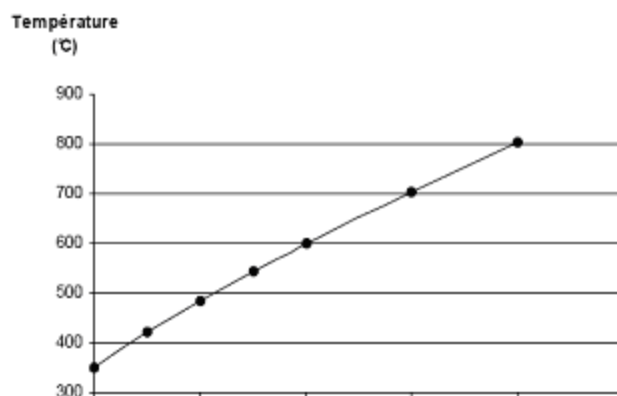
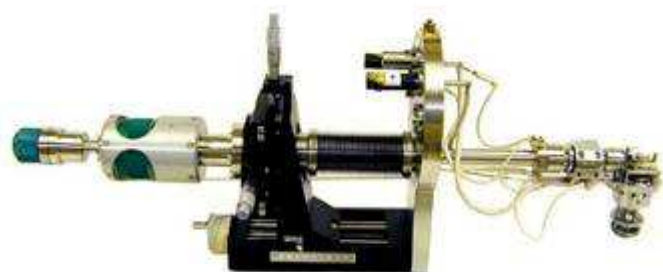


MANIPULATORS

5-AXIS MANIPULATOR FOR 2" SAMPLE HEATED BY ELECTRON BEAM BOMBARDMENT

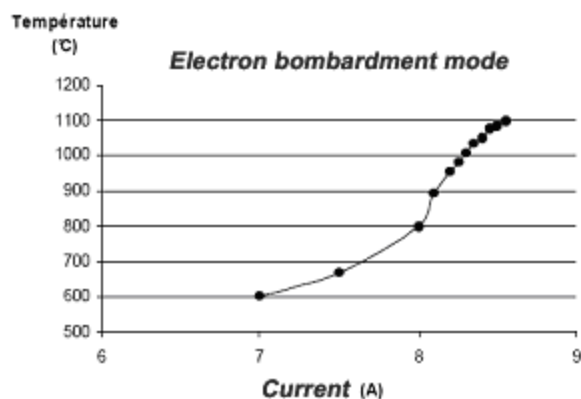


DESCRIPTION

The manipulator MB-1000 is suitable for heating to high temperatures ($T > 1100^{\circ}\text{C}$) 1" samples.

The heater works in radiant mode heating up to 800°C and electron beam bombardment mode beyond 1100°C . The electron beam bombardment allows a very quick raise in temperature of the sample.

The handling of the sample is by 5 axes.



MB-1000	
Specifications	
Ultimate vacuum	10^{-10} mbar
Sample temperature	800°C (rotation) / 1100°C (flash)
Sample support	2" Molybloc
Heater type	2" Special
Thermocouple	Type C
X and Y translations	± 10 mm manual*
Z translation	50 mm manual*
Main rotation	$\pm 180^{\circ}$
Sample rotation	Continuous from 0 to 60 rpm
Mounting flange	160CF
Bakeout temperature	150°C

* Motorisation optional