

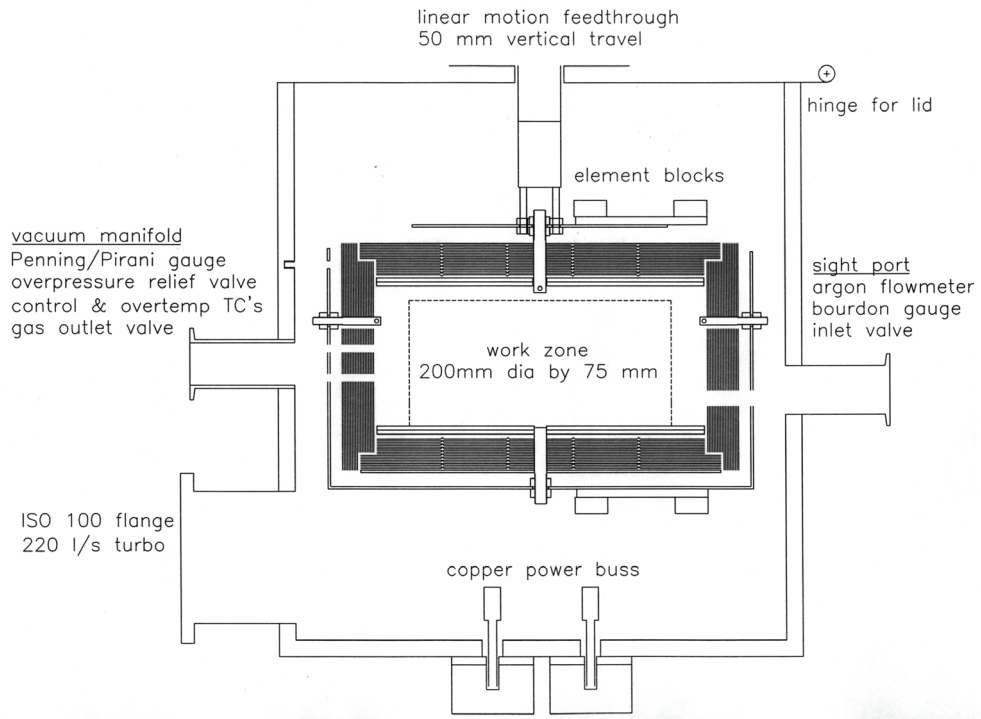
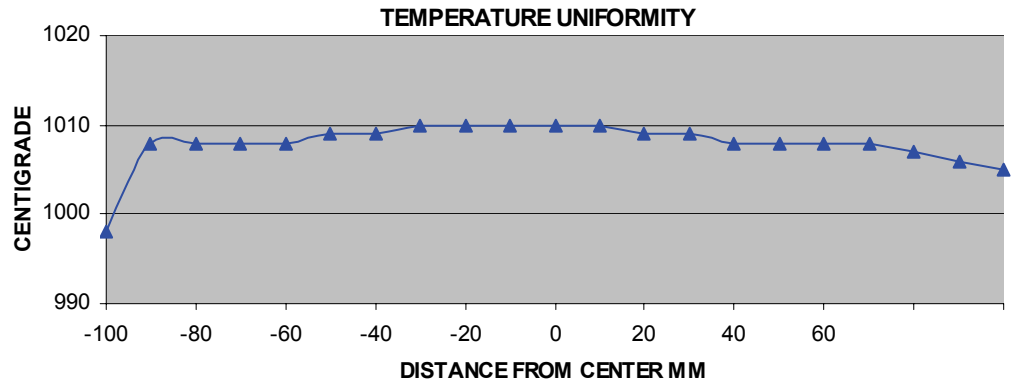
RD WEBB COMPANY

6 Huron Drive
Natick, MA 01760
USA

Air Cooled Vacuum Furnaces Inexpensive Simple Reliable

The **RD-M** is designed for brazing and annealing under high vacuum conditions as required for active metal brazing and processing of reactive materials highly sensitive to oxidation. The thermal shield packs are fabricated from multiple layers of molybdenum and stainless steel to provide the cleanest possible operating environment. It comes equipped with a turbomolecular high vacuum pump for the ultimate in purity and cleanliness.

The sophisticated control system on all of our furnaces includes 6 channels of data acquisition which is accessed on the users PC via a ethernet communications port. Data available includes temperature, vacuum levels, and other process variables for data analysis or quality control, as well as heating element resistance and furnace power consumption for maintenance and diagnostic purposes.



**R
E
D

D
E
V
I
L

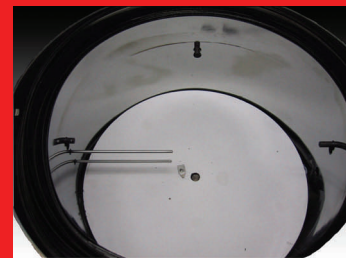
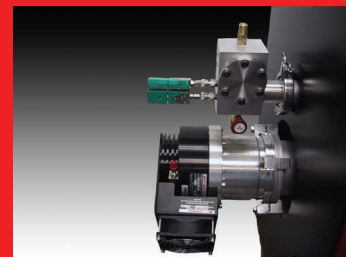
M**

1200°C

10⁻⁶ mbar
ultimate vacuum

Phone: 401-267-8802
Fax: 401-262-4935
rdwebb@alum.mit.edu
www.rdwebb.com

VACUUM BRAZING AND ANNEALING PRODUCTION OR R&D DIAMOND TOOLS, MEDICAL OR ELECTRONIC COMPONENTS



	RD-M
Maximum Temperature	1200°C
Ultimate Vacuum	10 ⁻⁶ mbar
Min. Heatup Time	1 hr
Min. Cooldown Time	1 hr
Opening Temperature	300°C
Work Zone	200mm dia X 75mm tall
Insulation	Mo/SS
Heating Element	Mo
Mechanical Vacuum Pump	3 l/sec two stage
High Vacuum Pump	240 l/sec turbo
High Vacuum Valve	optional
Rough Vacuum Valve	diaphragm
Gas Inlet & Vent Valves	manual
Overpressure Relief valve	+ 40 kPa
Flowmeter	20 SCFH
Bourdon Tube Gauge	+/- 100kPa
Vacuum Gauge	10 ⁻⁷ mbar to atm
Control & Secondary TC's	Type C moly sheath
Programmable Controller	20 program storage
Communications	ethernet
Line Voltage	240 v
Frequency	50/60 hz
Furnace Power	2 kW
Mech Pump Power	500 W
Furnace WxDxH 100kg	850mmX500mmX1100mm
Controls WDXH 50kg	500mmX400mmX400mm
Mechanical Pump 25 kg	150mmX550mmX250mm