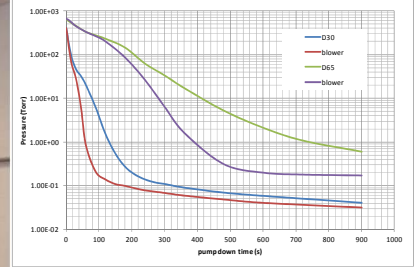
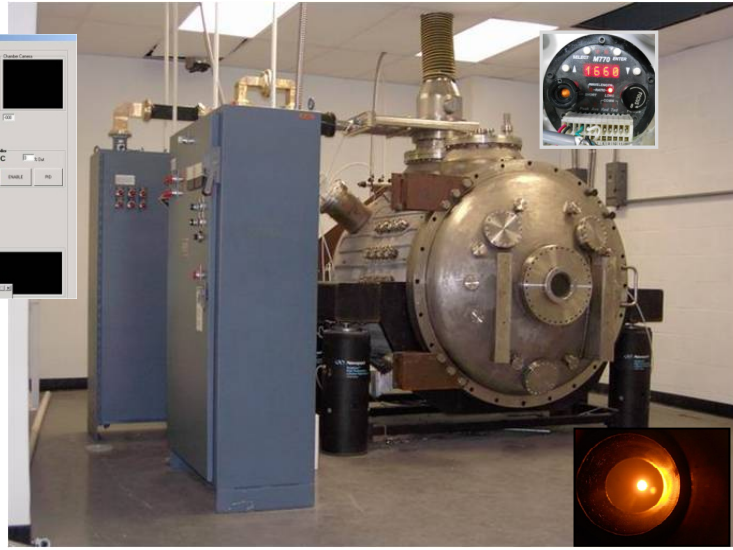


Microwave Furnace: HT-12MF1-SV

Large 12 kW Microwave Application Chamber with atmosphere reduction for melting, sintering, drying, and casting.



Specifications:

Spec:	Description:
Microwave Power:	Two 6kW Microwave Generators @ 2450 Mhz.
Electrical Power:	220 VAC 3φ @ 50 Amps.
Temperature Measurement:	Dual color optical pyrometer and infra-red insulation measurement.
Vacuum:	Rotary vain pump for achieving 5×10^{-2} Torr in 30 minutes.
Interface:	Manual controls or complete ramp/soak PID temperature stepped program control with data logging.
Maximum Temperature	2200°C
Spare Ports:	2.75 CF (20), 6.00 CF(2), 8.00 CF(3), 10 CF(1), 16.5 CF(1)
Vessel Construction:	3/8" Stainless Steel
Vessel Size:	52 ft ³ (44" Diameter x 60" Long)
Hot Zone:	30" Diameter x 38" Height
Shell Cooling:	Yes
Purge Gas:	Argon / Nitrogen.
Pressure Measurement:	Gauge, Capacitance Manometer, & Convection Gauge
Pressure Relief:	Control poppet valve @ 1psi, dual safety relief @ 5psi.
Price:	\$450,000