



Please fill out the form below to the best of your ability, and we will get back to you as soon as possible.

CUSTOMER INFO		
Title	Firstname	Lastname
Job Title / Department		
Email		
Phone Number	Mobile Number	
Fax		

BUSINESS INFO		
Business Name		
Industry	Business Type	
Business Phone	Website	
Street	City	
State / Province	Country	Postal Code

PROJECT DETAILS				
Load / Product				
Parts Type	Mass	Working Volume	Muffle / Retort	
Furnace / Application				
System Type	Orientation	Loading	Hot-zone Materials	Power / Voltage

PROCESS PARAMETERS		
Temperature Capability		
Maximum Temperature	Maximum Ramp Rate	Maximum Temperature Uniformity
Furnace is capable of operating at any temp. below this maximum specified temp.	This is the desired average ramp rate over the entire temp. range, typical rate of 5-10°C/min	Clean, empty furnace, while in vacuum conditions; standard of +/- 10-20°C if not specified
Vacuum Capability		
Operating Vacuum Level	Vacuum Pump Down Time	Vacuum Generation System
<input type="checkbox"/> Check here if vacuum is not required	Clean, empty, dry, out-gassed, and room temperature	<input type="checkbox"/> Check here for dry systems only, no oil
Partial Pressure Capability		
Partial Pressure Min. to Max. Operating Range		Additional Conditions (check all that apply)
Lowest	Highest	<input type="checkbox"/> Static, No Gas Flow
		<input type="checkbox"/> Differential Pressure
		<input type="checkbox"/> Sweeping / Flowing Gas
<input type="checkbox"/> Check here if partial pressure is not required		<input type="checkbox"/> Binder Removal Binder % by Weight
Partial pressures can be from the lowest vacuum specified above up to 800 Torr maximum; systems can operate at any level within this range. Nominal ranges are typically from the low mTorr range up to 100 - 600 Torr ranges		

PROCESS PARAMETERS CONTINUED

Positive Pressure Capability

Operating Pressure		Pressure is used for (check all that apply)	
Maximum Operating Pressure	Maximum Temp. at This Pressure	<input type="checkbox"/> HIP	<input type="checkbox"/> Normal Operation
		<input type="checkbox"/> Product Cooling	<input type="checkbox"/> Sintering
<input type="checkbox"/> Check here if positive pressure is not required	Furnace is capable of operating at any temperature below this specified value	<input type="checkbox"/> Gas Quenching	<input type="checkbox"/> Other

Process Gas Capabilities

While in Vacuum or Partial Pressures		Gas Backfill	Positive Pressure	
Gas Type	Gas Flow Range	Gas Type	Gas Type	Max Pressure
	From To			
	From To			
	From To			
<input type="checkbox"/> Check here if more than three (3) process gases required, and specify in notes <input type="checkbox"/> Check here for direct gas injection into muffle or retort , if applicable		Backfill process gases are also used for pumping and purging operations as well as guard / blanket gas where applicable		

Hot Pressing /Diffusion Bonding Capability

Max Pressing Force	Total Stroke Required	Additional Conditions (check all that apply)	
		<input type="checkbox"/> Multi-axis or Multi-rams	
		<input type="checkbox"/> Ram Position Feed-back	
<input type="checkbox"/> Check here if hot-pressing is not required	Compression at Full Load	<input type="checkbox"/> Punch and Die	

Additional Requirements or Specifications,Comments, or Added Information

Please send files such as PIDs, example cycle parameters, drawings, BID Info, and/or NDAs

