

CONTINUOUS FURNACE QUESTIONNAIRE

<i>Materials</i>	<i>Desired Properties (as sintered)</i>	<i>Typical Contaminants/Process Problems</i>

Days and hours of operation: _____
 Applications of parts/use: _____
 Post Sinter Treatments: _____
 Pre-Sinter Treatments: _____

SINTER/DEBIND CYCLE (or other process cycle)

	<u>Material</u>	<u>Time</u>	<u>Temp</u>	<u>Vacuum</u>
Debind:				
Pre-sinter:				
Sinter:				

(Include Process Cycle Graph - function of time, temperature, pressure and gases introduced)

Types of furnaces typical of your facility/suppliers: _____
 Current forming techniques (press/sinter, extrusion, injection molded): _____

Maximum Temperature: _____	Maximum Load Throughput Required: _____
Vacuum Capability: _____	Maximum Part Thickness: _____
Maximum Part Weight (each): _____	Powder Size (microns): _____
Hot Zone Size: _____	Hot Zone Materials of Construction: _____

BINDERS (% by volume): (If debinding is required)

Paraffin: _____	Other: _____
PEG: _____	PVB: _____
PVA: _____	

Pressure Cycling Requirements (by portion of cycle): _____
 Heating Ramp Requirements (by portion of cycle): _____

Cooling Requirements: _____
 Process Control Preferences: _____
 Reactive Gas Usage (by portion of cycle): _____
 Familiarity level with Centorr/Vacuum Industries furnaces/concerns and feedback: _____

Customer: _____ Contact Name: _____
 Location: _____
 Telephone: _____ Fax: _____ E-Mail: _____