

## SINTERBAR™ QUESTIONNAIRE

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

Applications of parts/use: \_\_\_\_\_

Post Sinter Treatments: \_\_\_\_\_

Pre-Sinter Treatments: \_\_\_\_\_

Other Process Contaminants: \_\_\_\_\_

### SINTER/DEBIND CYCLE

Material                      Time                      Temp                      Vacuum

Debind: \_\_\_\_\_

Pre-sinter: \_\_\_\_\_

Sinter: \_\_\_\_\_

(Include Process Cycle Graph - if possible)

Types of furnaces typical of your facility/suppliers: \_\_\_\_\_

Current forming techniques (press/sinter, extrusion, injection molded): \_\_\_\_\_

Maximum Temperature: \_\_\_\_\_

Vacuum Capability: \_\_\_\_\_

Maximum Part Weight (each): \_\_\_\_\_

Hot Zone Size: \_\_\_\_\_

Maximum Load: \_\_\_\_\_

Maximum Part Thickness: \_\_\_\_\_

Powder Size (microns): \_\_\_\_\_

Hot Zone Materials of Construction: \_\_\_\_\_

BINDERS (% by volume):

Paraffin: \_\_\_\_\_

PEG: \_\_\_\_\_

PVA: \_\_\_\_\_

Other: \_\_\_\_\_

PVB: \_\_\_\_\_

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 Sintervac™ furnaces/concerns and feedback: \_\_\_\_\_

Customer: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Location: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_