



FURNACE QUESTIONNAIRE

REF: CVI Q# _____

Company Name: _____

Contact Name: _____

Address: _____

Telephone: _____ Fax: _____

Email: _____

WORK (fill in line)

1. Material to be processed _____

2. Weight of material _____

FURNACE (Check box or fill in "Other")

1. Type of Loading: Front Top Bottom Other _____

2. Type of Hot Zone: Metal Graphite Other _____

3. Type of Heating: Resistance Other _____

4. Hot Zone Size (Actual): Actual Dia. _____ x Height _____ ,
Length _____ Width _____ Height _____

5. Usable Hot Zone Size (Work Size): Dia. _____ Height _____ ,
Length _____ Width _____ Height _____

6. Maximum Temperature (furnace): _____ °C

7. Maximum Temperature (work): _____ °C

8. Maximum Heating Ramp Rate (No Load): 60°C/min. Avg. Vacuum Other _____

9. Minimum Cooling Rate (No Load): 30°C/min. Avg. Vacuum Other _____

Centorr Vacuum Industries LLC, 55 Northeastern Blvd., Nashua, NH 03062, USA
TEL: 603-595-7233, FAX 603-595-9220

FURNACE QUESTIONNAIRE (Continued)

10. Operating Atmosphere: Argon Nitrogen Helium, 4% Hydrogen /96% Argon
 100% Hydrogen Other_____
11. Operating Pressure: 1/3 PSIG Other_____
12. Vacuum Level Cold: $10^{-2} - 10^{-3}$ torr $10^{-5} - 10^{-6}$ torr Other_____
13. Vacuum Level Hot: $10^{-2} - 10^{-3}$ torr $10^{-5} - 10^{-6}$ torr Other_____

VACUUM SYSTEM

14. Type of Evacuation Pump: Rotary Vane Diaphragm Blower Rotary Piston
 Dry Pump Other_____
15. Type of High Vacuum System: Diffusion Pump Turbo Molecular Pump Cryogenic Pump
Other_____

TEMPERATURE CONTROL SYSTEM

16. Type of Sensor: Thermocouple Pyrometer Power Transducer
17. Temperature of Controller: Single Set-point Control Programmer Controller
18. Brand of Controller: Honeywell Eurotherm Yokogawa Other_____
19. Additional Process Variable_____
- _____
- _____
- _____

GENERAL INFORMATION:

20. Estimated Order Placement: Urgent 3-6 months 6-12 months Indefinite
21. Please send a quote within: 1 week 2-3 weeks No rush
22. Quoted is needed for: Budget preparation Technical Selection Final Purchase
 Other
23. Additional design parameters or requirements you would like included, i.e. options, spares, etc.?

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