Thermal Processing Equipment Specification Sheet

Company:
Address:

Contact Name:
Contact Phone:
Contact Email:
General Description of Equipment Requested:

1. What is the process required (i.e. curing, heat treating, drying, powder coating)?

2. Are cover gas required for your process? If so, which ones?

3. What process method will be used (batch, continuous, etc.)?

4. What is the material being processed (i.e. Aluminum, Steal, composites)?

5. What is the mass or weight of the load? (If multiple sizes are processed then what is the weight of the largest part?)

6. What are the dimensions of the largest part in the load?

7. Are flammable solvents generated during the process cycle? If yes, please list the solvents and volumes generated per batch.

8. What is the typical process temperature?

9. What temperature uniformity is required (+/- 5, 10, 25 etc.)(°F or °C)?

10. Furnace/Equipment Class? (if known)

11. What is the Minimum and Maximum operating temperature required?

12. What is the expected process cycle time?

13. Is there a heating or cooling rate/ramp requirement?

14. Which heating source is required (i.e. electric, gas, indirect gas)?

15. How often will the thermal processing equipment be loaded?

16. What are the Internal Dimensions (Qualified Work Zone) required?
    ("Qualified Work Zone" as defined by AMS2750E)

17. What type of door is required (swing out or vertical lifting, car bottom)?

18. What type of controls are required (single set point, Ramp/Soak Programmable, PLC)?

19. Will control panel be mounted or free standing?

20. Is a temperature or data recorder required?

21. What voltage and amperage is available?

22. What psi of air and natural gas is available?

23. How large is the available space and ceiling clearance where the equipment is to be installed?

24. Are there any special codes or design standards required (i.e. AMS2750, seismic requirements, FM gas train, low NOx burners)?

25. How will the material be loaded? (Cart, forklift, car bottom, etc)

26. Additional comments: