



Davron Technologies, Inc.  
4563 Pinnacle Lane  
Chattanooga, TN 37415  
(423)870-1888 Fax:(423)870-3355

**Company Information:**

Company Name:  
Contact Person:  
Contact Title:  
E-mail Address:  
Phone #:  
Address:  
City/State/Zip Code:  
Date:

|                                     |
|-------------------------------------|
| <b>Inert Batch Oven Information</b> |
|-------------------------------------|

**Please provide as much of the following information as possible to allow us to provide an accurate proposal for your application.**

**1. Chamber size for the interior workspace (as viewed from the door opening):**

|         |  |
|---------|--|
| Width:  |  |
| Height: |  |
| Depth:  |  |

**2. Method of heating:**

|                |                          |
|----------------|--------------------------|
| Electric:      | <input type="checkbox"/> |
| Natural Gas:   | N/A                      |
| Other:         | N/A                      |
| No Preference: | N/A                      |

**3. Operating Voltage (example – 480 volts / 3 phase / 60 hertz)**

|          |  |
|----------|--|
| Voltage: |  |
| Phase:   |  |
| Hertz:   |  |

**4. Maximum Operating Temperature (specify degrees C or F)**

|                |  |
|----------------|--|
| Degrees        |  |
| Fahrenheit(F): |  |
| Centigrade(C): |  |



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**5. Heat Load / Cycle Time:**

a) What type of materials will be heated?

b) What is the maximum length, width, height, and weight of the material to be processed?

c) What is the time requirement for heating?

(Please note if your product needs to ramp to temperature in a certain time)

(If your product ramps to temperature how long will it be required to soak at temperature?)

d) If a rack is used in your application, what is the weight of the rack?

**6. Are solvents present in your process? If so, provide type of solvent and volume per batch.**



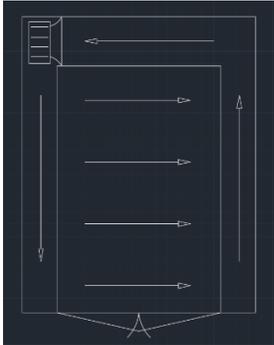
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**7. Arrangement**

If nothing is specified, the oven will include a single set of doors on one end.

The heater and fan will be located in the rear of the chamber.

Airflow will be horizontal cross flow across the width of the chamber.



Notes:

**8. Do you prefer a PLC/HMI operating system with the ability to store multiple recipes, or simple push button operation?**

**9. If you have any special construction requirements, list them here.**

(Example: allow 304 stainless steel interior)

**10. Do you require any special options for the floor of your oven?**

(Example: floor tracks, no floor, heavy duty floor)



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**11. Please list any special instructions or requirements for your oven.**

This particular oven will normally be electrically heated. All inert gas systems will be included to purge the chamber atmosphere at the beginning of the cycle. This can be achieved by considering the number of volumes of chamber gas exchanged with inert gas required to provide an inert atmosphere. In some cases, an oxygen analyzer is requested to provide a readout to the operators showing the oxygen level (percentage) in the chamber. This system works well but adds expense to the project. Please indicate your preference for this option. Please provide a value for the allowable percentage of oxygen in the chamber. (Examples: 1%, 0.5%, etc...)

**12. Is your project a future consideration in need of a budget estimate or an immediate need that is in your budget and plan to purchase in the near future?**

**13. If your project is budgeted for purchase, please provide any timing information in regards to when you would expect to place an order and when you would need the project completed for production operation?**