



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:

Vertical Oven Information

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

1. Method of heating:

Electric:	<input type="checkbox"/>
Natural Gas:	<input type="checkbox"/>
Other:	<input type="checkbox"/>
No Preference:	<input type="checkbox"/>

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

Voltage:	
Phase:	
Hertz:	

3. Maximum Operating Temperature (specify degrees C or F)

Degrees	
Fahrenheit(F):	
Centigrade(C):	

4. Heat Load / Cycle Time:

a) What type of materials will be heated?
(Metal, plastic, etc....include what "type" of material, ex: alloy 304 stainless steel)
(If multiple materials, please describe)



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b) What is the maximum length, width, height, and weight of the material to be processed?
(If multiple materials, please provide weight of each)

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) Please describe the physical size of your product, include width, length, and height.
(For vertical oven applications, part size is very important in order to design the conveyor tray)
(A picture or drawing is also good information, if available)

e) In your production, will the parts be presented to the oven one at a time or in groups?
(If processed in groups, please provide number per group)
(If single or group, how often will part(s) be presented for oven processing?)

f) What is the production rate for your process, minutes or seconds per part or parts per minute or hour?



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g) After the oven heating process, is cooling required for your application?
(If cooling is required, what temperature is considered cool?)

5. Are solvents present in your process?

(If so, provide type of solvent and volume per hour of production operation.)

6. If your application requires drying a product please provide the following information.

a) Based on the production rate information provided above how much water, or other, needs to be removed from each part or per hour?

b) Is a "wet" weight know for the part? If so, what would the "dry" weight be for the part?
(From this we can determine how much moisture has to be removed over what period of time)

c) Is moisture only external to the part or is the part saturated?



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7. Arrangement

a) Please provide any available information regarding plant space requirements.
(This is very important information for vertical oven applications)

b) What is the height available at the oven location?

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)



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10. Please list any special instructions or requirements for your oven.

11. 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?

12. 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?