



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>Conveyor Oven Information</b>
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**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" material, ex: alloy 304 stainless steel)  
 (If multiple materials, please describe)

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b) What is the maximum weight of the material to be processed?  
(If multiple materials, please provide the 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?)  
(If multiple ramp and soak profiles are required, please explain in detail)

d) Please describe the physical size of your product, include width, length, and weight.  
(Please provide width in relation to the width of the conveyor)  
(Please provide length in relation to the preferred direction of travel in the oven)  
(If unknown what is the required production rate per unit of time. Ex: parts per hour or day)

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 a part(s) be presented for oven processing)

f) Conveyor Ovens can operate in an index motion or continuous, if your requirement is specific, please explain.



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g) If your oven operates in an index configuration, do you need doors at the ends of the chamber to isolate the oven from the plant?

h) 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, please provide the 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 known 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)



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

d) Can the part be dried as quickly as possible or does it need to be gradual to prevent damage or fracture?

**7. Arrangement**

a) Please provide any available information regarding plant space requirements:

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. If a specific belt or custom tray arrangement is required, please explain:**

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

**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?**