

LYDON QUOTATION REQUEST DATA FORM

This form is intended to assist you in communicating your oven needs so that a specification may be developed for quotation and pricing. If you have a preliminary specification, please complete this form, skip questions answered by your specification and attach your specification to this form. Please include any notes, drawings or sketches in the right column. Do not omit seemingly unimportant data at this time: It is better to err on the side of too much information than to miss a possibly key point. Please tell us your preferences, experiences, and priorities in characterizing your needs. [As a minimum, complete and fax the first box and tell us the best time to reach you by telephone.]
Mail or fax the data to: **LYDON; PO BOX 708; HACKENSACK NJ 07602-0708 USA**; telephone **201-343-4334**; fax **201-343-7335**

TECHNICAL CONTACT (address questions to):

Name:
Title:
Company:
Address:
City/State Zip/Country:
Telephone:
Fax:
E-mail:

Are you also the commercial contact?
If not, please advise in notes to right.

WE ARE: Existing LYDON user; Serial Number:
 Not yet a LYDON user Reseller/dealer

REASON FOR REQUEST: New process
 New/expanded facility Change in process
 Replacement oven Other:

NEED IS: IMMEDIATE 3 months
 6 months 12 months

SITE DATA:

City/State/Country:
Nearest commercial Airport: Average Climate:
Altitude: Floor type:
Available Space: Available Height:
Smallest opening through which oven must pass:

SITE UTILITIES:

ELECTRICITY:	VOLTS	φ	Hz	AMPS
STEAM:		PSIG		PIPE SIZE
GAS:	KIND	PSIG		PIPE SIZE
COMPRESSED AIR:		PSIG		PIPE SIZE
CHILLED WATER:	TEMP	FLOW		PIPE SIZE

DESCRIBE MATERIAL(S) PROCESSED:

SIZE(S):

MASS (weight):

BULK DENSITY:

QUANTITY/RATE/THROUGHPUT:

ESTIMATED WORK SPACE SIZE:

PROCESS METHOD:

BATCH SEMI-CONTINUOUS CONTINUOUS

NATURE OF PROCESS:

BAKE DRY PREHEAT
 TEMPER CONDITION CURE

PROCESS DESCRIPTION: Use additional sheets as required.

OPERATING TEMPERATURE: °F °C

MAXIMUM TEMPERATURE: °F °C

TIME TO TEMPERATURE:

TIME AT TEMPERATURE:

PRIOR PROCESS:

SUBSEQUENT PROCESS:

MATERIALS HANDLING:

- | | |
|---|----------------|
| <input type="checkbox"/> SHELF/TRAY/PAN: | SIZE: |
| QUANTITY: | CAPACITY Each: |
| <input type="checkbox"/> OTHER CONTAINER: | SIZE: |
| QUANTITY: | CAPACITY Each: |

CONVEYANCE:

- | | |
|--|--|
| <input type="checkbox"/> TRUCK/CART: | SIZE: |
| QUANTITY: | CAPACITY Each: |
| <input type="checkbox"/> CONVEYOR: | |
| <input type="checkbox"/> CONTINUOUS | <input type="checkbox"/> INTERMITTENT |
| <input type="checkbox"/> BELT; TYPE: | <input type="checkbox"/> OVERHEAD; TYPE: |
| <input type="checkbox"/> VERTICAL; TYPE: | |

OTHER PROCESS CONDITIONS:

INTAKE AIR CONDITIONS: °F °C %RH

- INTAKE AIR PRETREATMENT:
- EXHAUST AIR TREATMENT:
- FILTRATION REQUIREMENTS:
- COOLING REQUIREMENT:
- SPECIAL ATMOSPHERES:

DRYING: Dry weight: Wet weight:

Water removed:

SOLVENT DRYING: Nature of solvent(s):

VOLUME of solvent entering oven:

Include solvent MSDS

CONTROL EQUIPMENT PREFERENCES:

- | | |
|---|---|
| <input type="checkbox"/> ON/OFF Heat | <input type="checkbox"/> Proportioned Heat |
| <input type="checkbox"/> Indicating controller | <input type="checkbox"/> Recording controller |
| <input type="checkbox"/> Timer(s) | <input type="checkbox"/> Time/Temperature Program |
| <input type="checkbox"/> Function/status indicate | <input type="checkbox"/> Data acquisition interface |

OTHER CONTROL/SAFETY PREFERENCES:

NOTES:

INSTRUCTIONS TO THE LYDON QUOTATION REQUEST DATA FORM:

Technical Contact information: Tell us how and when to contact you about this project. Tell us if you are conducting this process now and what you wish to change.

Site Data information: Tell us about the location of the oven including any space limitations. Tell us what power resources you have to make heat.

Material(s) Processed: What do you wish to heat? What is the nature of the material?

Does it take the form of individual items (such as: 100 100ml glass bottles, or 1000 15mm capacitors with wire ends, or 10,000 3" diameter x 10" high paper filter cartridges)?

Does the material have a less-defined form (such as 50 kg wet granulation, or 200 pounds of acrylic pellets) that needs a holder such as a tray. What is the bulk density or specific gravity of the material (that is, how much volume does a unit mass require)?

Is there anything unusual about the material? Is it acidic or caustic? Is it flammable? Is it sticky? How does heat affect it?

Process Information: Describe the method and nature of the process.

How does the oven content change with temperature? Do some parts change but not all parts (such as in drying water from a material)? What temperature is ideal for this process? What temperature should not be exceeded?

How long should it take to warm the content to set point temperature? How long does the heated process take? Is cooling required? Is ventilation required? What happens prior to entry to the oven? What happens after the oven process?

Does the heated process generate any by-products? Does it give off any toxins or unpleasant odors? How should your present process be improved in your new oven? Will you use the oven for more than one process?

Materials Handling: What is likely to be the best way to hold or contain the materials? What is the best way to move materials into and out of the oven? Does the materials handling allow for air circulation around and through the materials? Should the materials handling method facilitate moving materials when not inside the oven?

What *Other Process Conditions* make your process more successful? Tell us where the oven will draw fresh air and what its conditions might be. Should the oven pre-treat the incoming air before heating? Should the intake air be filtered? Does the exhaust air require treatment? Will intake air be used to cool the material to handling temperatures? Are special oven atmospheres (such as high moisture content or low oxygen content) be required?

If the process is drying, what is the amount of moisture removed? Does the process vaporize any volatile organic compounds? What kind? What is the volume of solvent entering the oven?

What kind of *Control and Safety Equipment* makes your process safe and profitable? What information do you want the oven to reveal or record about the process? What attribute of the process needs to be controlled besides temperature?