

## RTO-Design Form

Please fax or email this form to:

Ceram Austria GmbH  
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From:

Company:.....Address:.....

Contact Person:.....

Phone:.....Fax:.....

email:.....Project code:.....

By sending us the completed form we are able to offer you an optimized heat media bed design and quotation for ceramic honeycombs.

**Basic RTO-unit Information:**

|  |  |        |
|--|--|--------|
| RTO unit   | New  | revamp |
| Square / rectangular<br>or rotary unit   |  |        |
| Number of chambers or segments   |  |        |
| Hot Bypass   | Yes  | No     |
| Gas burner flow (Nm <sup>3</sup> /h)   |  |        |
| Regenerator bed dimensions<br>(net dimensions available for heat media<br><br>or block count per layer & chamber or<br>segment | Length – width – max bed height<br><br>or number of blocks per layer |        |
| If revamp info on existing heat media and performance (delta p and TER)  |  |        |

**Basic parameters (obligatory)**

|                                     |                    |
|-------------------------------------|--------------------|
| Gas Flow Rate (standard conditions) |                    |
|                                     | Nm <sup>3</sup> /h |

|                            |   |
|----------------------------|---|
| Cycle time (one direction) |   |
|                            | s |

|                                      |    |
|--------------------------------------|----|
| Inlet temperature (T <sub>in</sub> ) |    |
|                                      | °C |

|   |   |
|---|---|
| required thermal efficiency<br>( $\eta_{\text{therm}} = (T_{\text{ox}} - T_{\text{out}}) / (T_{\text{ox}} - T_{\text{in}})$ ) |   |
|   | % |

|  |    |
|--|----|
| Oxidation temperature (T <sub>ox</sub> ) |    |
|  | °C |

|  |      |
|--|------|
| max. acceptable pressure drop of<br>one heat media chamber |      |
|  | mbar |

**Limiting operational parameters:**

|                                |        |
|--------------------------------|--------|
| Required minimum start up rate |        |
|                                | °C/min |

|   |          |
|---|----------|
| continuous / discontinuous<br>operation |          |
| yes / no                                | h / year |

|                               |  |
|-------------------------------|--|
| maintenance (please describe) |  |
| wash outs                     |  |
| burn outs                     |  |

|                          |  |
|--------------------------|--|
| others (please describe) |  |
|                          |  |

**Additional information on application:**

|  |
|--|
| VOC type and concentration (g/Nm <sup>3</sup> ) and heat value of available (KJ/g)                       |
|  |
| Is there any dust or sticky particulates in the gas? (please describe)                                   |
|  |
| Are there alkaline or other corrosives in the gas which could attack ceramic material? (Please describe) |
|  |
| Are there any silica compounds in the gas? (Please describe)   |
|  |

**Request for a corresponding quotation:**

|   |   |
|---|---|
| Requested delivery date   | dd. mm. yyyy<br><br>ex works / seaport / on site<br>(please indicate) |
| Quotation on transport costs (basic quotation will be issued on FCA transport not included) | yes / no  |