

## RTO-Design Form

Please email this form to:

email [ceram-order@ceram-austria.com](mailto:ceram-order@ceram-austria.com)

From:

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

Contact Person:.....

Phone:.....

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 or rotary unit		
Number of chambers or segments		
Hot Bypass	Yes	No
Gas burner flow (Nm <sup>3</sup> /h)		
Regenerator bed dimensions (net dimensions available for heat media or block count per layer & chamber or segment)	Length – width – max bed height  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 ( $\eta_{\text{therm}} = (T_{\text{ox}} - T_{\text{out}}) / (T_{\text{ox}} - T_{\text{in}})$ )	
	%

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

max. acceptable pressure drop of one heat media chamber	
	mbar

**Limiting operational parameters:**

Required minimum start up rate	
	°C/min

continuous / discontinuous 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  ex works / seaport / on site (please indicate)
Quotation on transport costs (basic quotation will be issued on FCA transport not included)	yes / no