



REICAT
Environmental Solutions

**YOUR PARTNER FOR CATALYTIC AIR
PURIFICATION SOLUTIONS**

exhaust air outlet
(chimney)

ReiCatino® 450

wall
bracket

prefilter

silencer

hot air
blower

cyclone

roaster

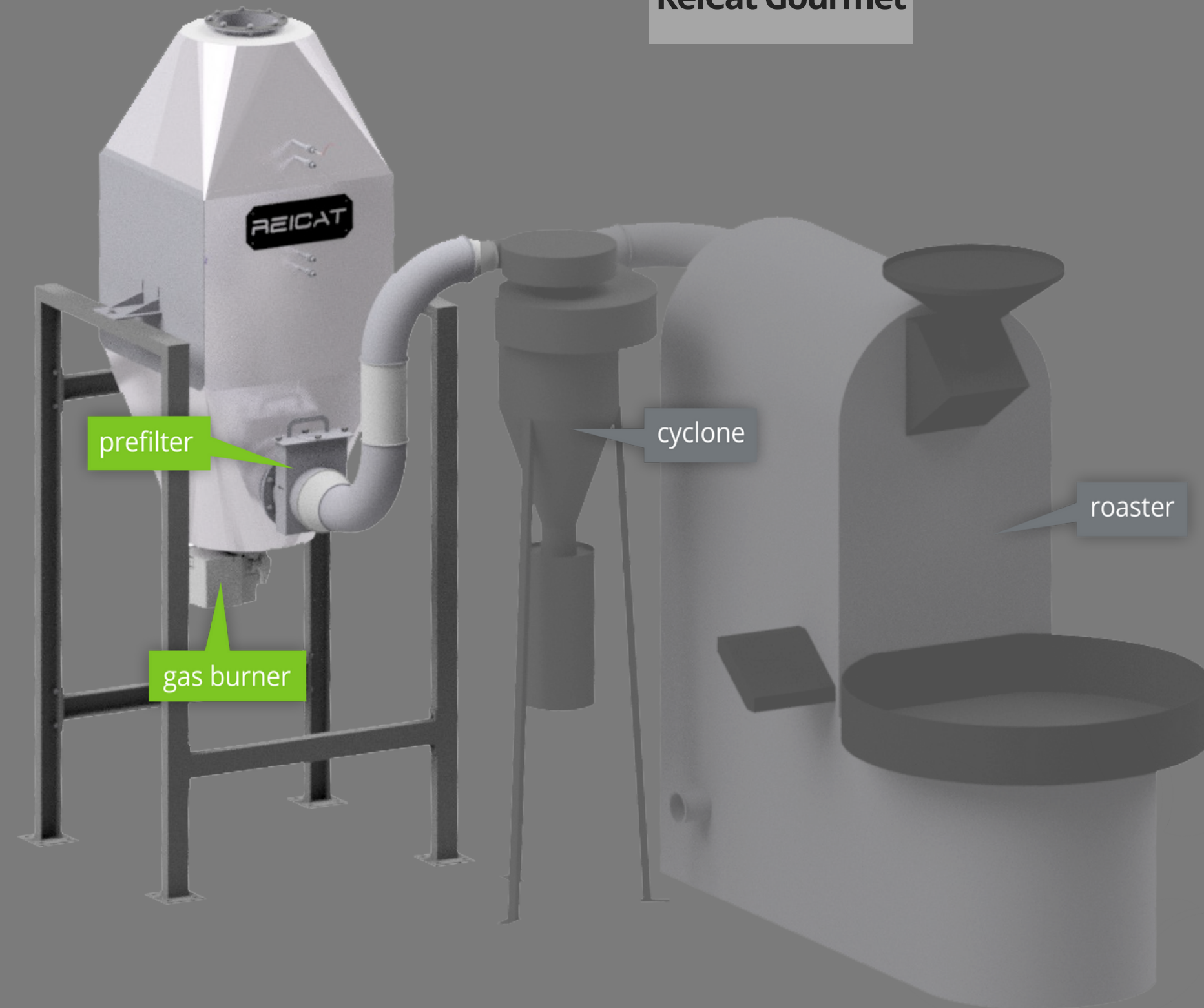
ReiCat Gourmet

prefilter

cyclone

roaster

gas burner





ReiCatino® 450



ReiCat Gourmet



ReiCat Industrial

PERFORMANCE PORTFOLIO

	Neutralisation of smoke	Neutralisation of smell	Compliance with legal regulations	Exhaust air values
ReiCatino®	yes	yes	is aspired	
ReiCat Gourmet	yes	yes	yes*	Formaldehyde <15 mg/Nm ³ (<5 mg/Nm ³ if required) VOCs <50 mg/Nm ³ (<20 mg/Nm ³ if required) NOx <350 mg/Nm ³ (<200 mg/Nm ³ if required) CO <100 mg/Nm ³
ReiCat Industrial	yes	yes	yes	Formaldehyde <15 mg/Nm ³ (<5 mg/Nm ³ if required) VOCs <50 mg/Nm ³ (<20 mg/Nm ³ if required) NOx <350 mg/Nm ³ (<200 mg/Nm ³ if required) CO <100 mg/Nm ³

*ReiCat Gourmet Option 2 - Compliance with legal regulations (after upgrading)

COMPARISON OF EXHAUST AIR PURIFICATION OPTIONS

	Neutralisation of smell	Neutralisation of smoke	Compliance with legal regulations	Maintenance
Dilution	no	no	no	high effort
Electrostatic filter	no	yes*	no	very high effort
Activated carbon filter	yes*	no	no	very high effort
Zeolite filter	yes*	no	no	very high effort
Afterburner	yes*	yes	no	low effort
catalytic air purification from ReiCat	yes	yes	yes	very low effort

*not completely

ENERGY CONSUMPTION

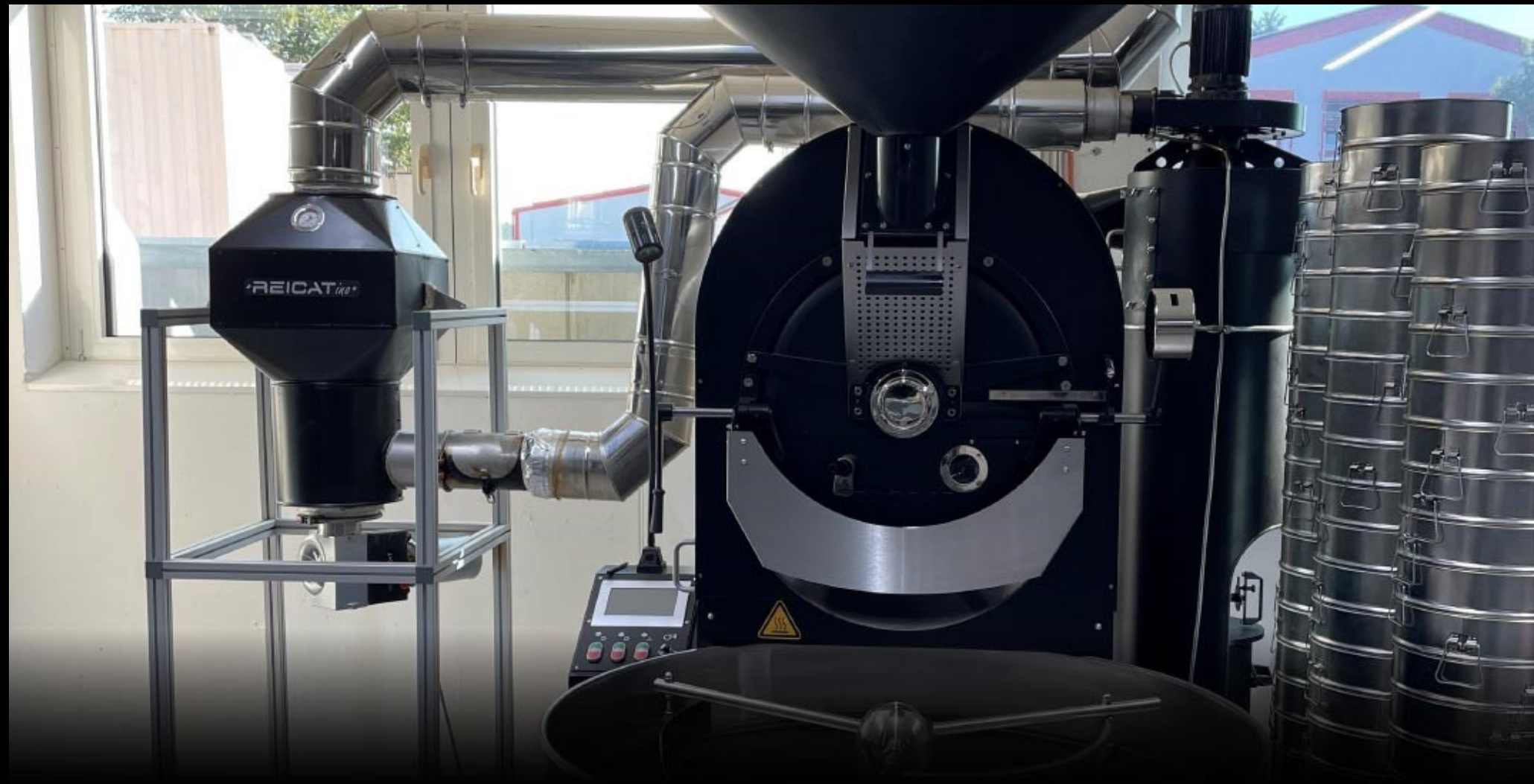
AFTERBURNER VS. CATALYTIC CONVERTER

	Gas consumption (kW)	Gas price per kWh	Gas consumption (1 day per 8 hours)	Gas consumption per year	Costs per day*	Costs per year**
After-burner	160 kW	0.0474 €	1,280 kWh/day	332,800 kWh/year	60.67 €/day	15,774.20 €/year
ReiCat Gourmet	20 kW	0.0474 €	160 kWh/day	41,600 kWh/year	7.58 €/day	1,970.80 €/year

costs per kWh Gas: 4.74 Cent (Status January 2022, without VAT)

arithmetic mean value for an annual consumption of 116,000 kWh per year

*usage: 8 h daily, 260 days/year (5 days per 52 weeks)



“ The ReiCatino® has helped us to reduce odour emissions significantly without affecting the roasting result. The right decision for us, and I would make it again. ”

Bäckerei Schmidt KG, Heideck/Germany



“ By purchasing the ReiCatino® it is possible for us to roast at any time and independent of the quantity. Our roastery is located in a residential area and now we don't have any trouble with the neighbours anymore. The chimney now no longer releases odours. ”

Home Roasting Company Helmke, Hamburg/Germany



“ We roast in one of the most densely populated neighbourhoods in the city. The ReiCat Gourmet ensures that we can continue to do so for our enjoyment and that of others. The communication and installation went exemplary. We can recommend ReiCat on every level. ”

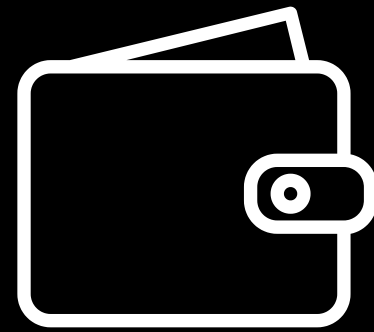
Kaffeemacher GmbH, Basel/Switzerland

ADVANTAGES OF A CATALYTIC EXHAUST **REICAT** Environmental Solutions

AIR PURIFICATION SOLUTION



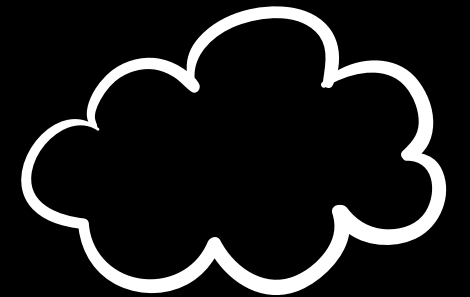
eco-friendly



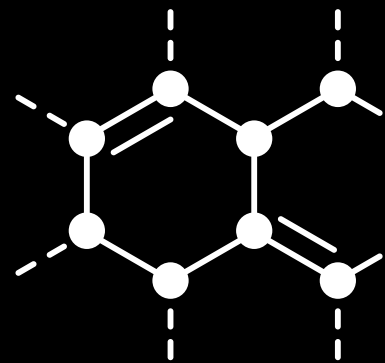
energy-efficient



**reduce
emissions**



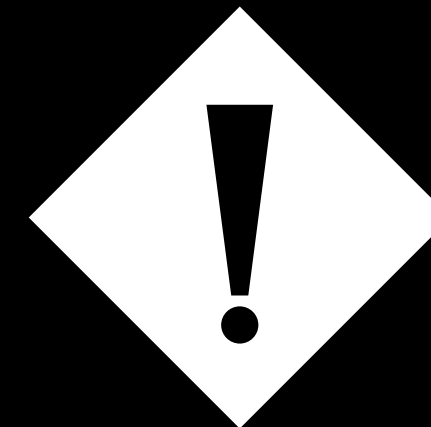
**neutralisation of
smell & smoke**



**avoid NOx
(VitarNOx)**



**no additional
footprint***



**conversion of harmful
components at
low temperature**



happy neighbours

*trough increase in temperature without additional combustion

ReiCat GmbH
Zum Wartturm 7
62571 Gelnhausen
Germany

www.reicat-coffee.com
+49 (0) 6051 9204 0
info@reicat.de

find us on:



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