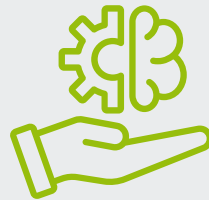


A large, industrial-grade coffee roasting machine, the REICAT, is the central focus of the image. It features a tall, silver, cylindrical chimney that extends from a large, conical, stainless steel roasting drum. The drum is mounted on a sturdy metal frame with yellow safety railings. The machine is situated outdoors on a flat surface, with a backdrop of rolling green hills and a blue sky filled with white clouds. The overall scene conveys a sense of clean, sustainable industrial production.

REICAT

**YOUR PARTNER FOR ECO-
FRIENDLY COFFEE ROASTING**

About us



**family business with over
40 years of experience in
development
& manufacturing**



**interdisciplinary team
from chemistry,
mechanical engineering
& process engineering**



**contribution to a more
sustainable industry &
energy economy through
ReiCat technologies**



**active in 58 countries,
over 1.5 million Nm³/h of
purified gas**

Why should I buy ReiCat



**roasteries' neighbours
complain about smoke
& odour**



**authorities insist
on urgent actions**



**clients aim for eco-
friendly roasting**

Why should I buy ReiCat



**approved by
authorities, welcomed
by neighbours**



**emission reduction
with low temperature**



**no smell, no smoke
& no additional
footprint**

Our Mission



**commitment to quality &
improvement with
continuous optimisation**



**catalyst expertise with
customised solutions**



**compliance with
international standards**



**strong supplier ties
& customer-centric
approach**

REICAT

Catalysts
for Coffee Roasters

CATALYSTS FOR COFFEE ROASTERS



REICAT

Catalysts
for Coffee Roasters



ReiCatino® Line

ReiCatino® Line



**clean & affordable
chimney due to low
temperatures**

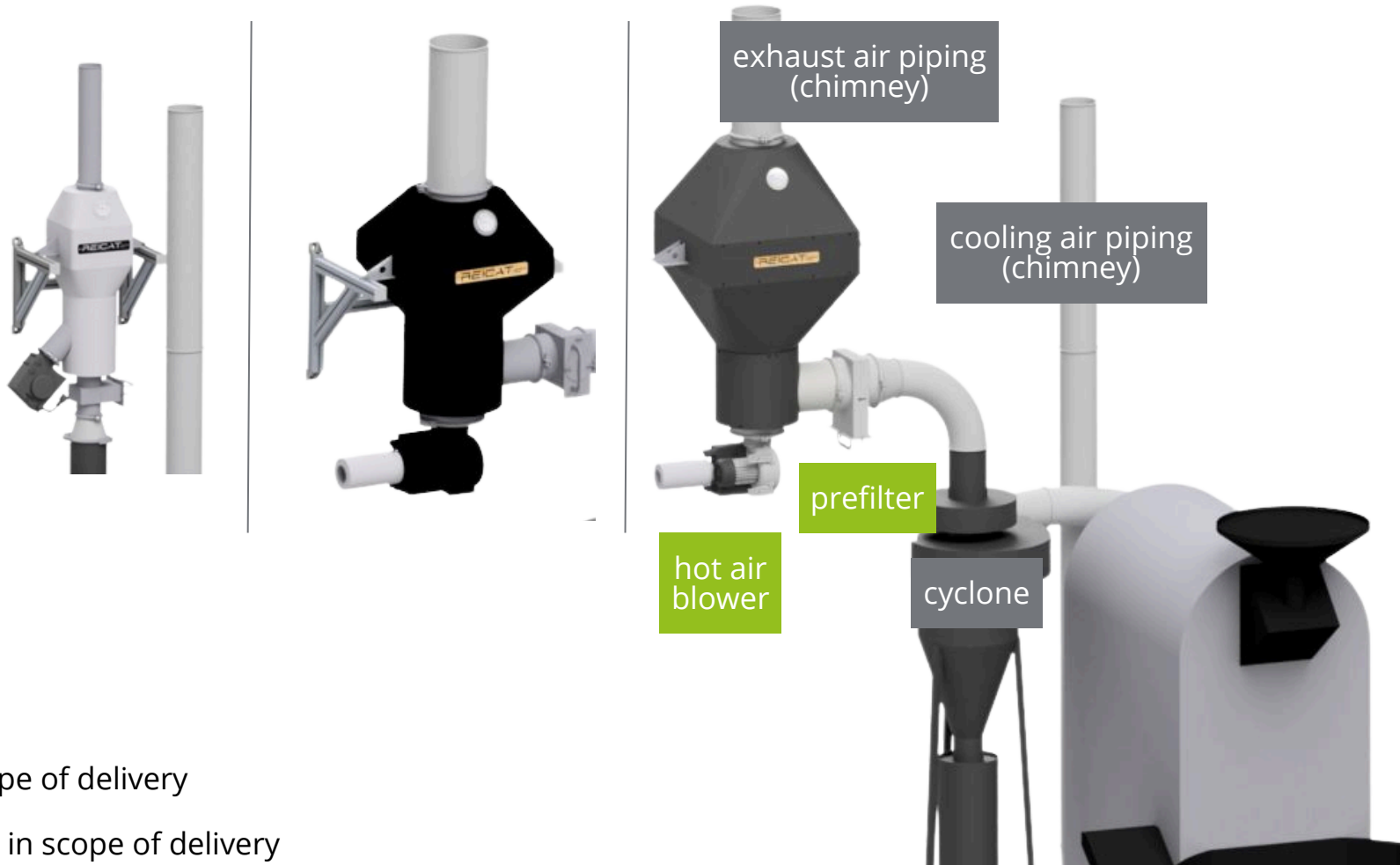


**neutralisation
of smoke & odours**



**max. 600 Nm³/h roasting
exhaust air volume with
consistent airflow**

ReiCatino® 100 | 450 | 600



■ Scope of delivery

■ Not in scope of delivery

Comparison

ReiCatino®

-  **neutralisation
of odours**
-  **neutralisation
of smoke**
-  **electrically
powered**
-  **low in
maintenance**

Afterburner

- NO
neutralisation
of odours** 
- only partly
neutralisation
of smoke** 
- gas
powered** 
- higher
maintenance
effort** 

REICAT

Catalysts
for Coffee Roasters

ReiCat Gourmet



ReiCat Gourmet



**low energy
consumption at high
cleaning performance**



**compliance with
legal regulations**



**max. 600 Nm³/h roasting
exhaust air volume with
consistent airflow**

Layout ReiCat Gourmet



- Scope of delivery
- Not in scope of delivery

REICAT

Catalysts
for Coffee Roasters

ReiCat Industrial



ReiCat Industrial



**compliance with
legal regulations**



**avoid NOx
(with our VitarNOx®
technology)**



**max. 7500 Nm³/h
roasting exhaust air
volume with
consistent airflow**

REICAT

Catalysts
for Coffee Roasters

ReiCat Module



ReiCat Module



**available in
different sizes**



**easy uprade of
existing roasters**

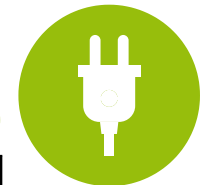


**compliance
with legal
regulations**

Comparison of exhaust air purification options

	Neutralisation of smell	Neutralisation of smoke	Compliance with legal regulations	Maintenance
Dilution	-	-	-	high effort
Electrostatic filter	-	++	-	very high effort
Activated carbon filter	++	-	-	very high effort
Zeolite filter	++	-	-	very high effort
Afterburner	++	+	-	low effort
ReiCat catalysts	++	++	++	very low effort

Matches ReiCatino®Line



ReiCatino® 100

Probat P 01
Giesen W1
Petroncini TT 5/ TT 10
Toper 3*
Typhoon 5*
Stronghold S7
Diedrich IR 1

ReiCatino® 450

Probat P 05 / P 12 / UG 15
Giesen W6 / W15
Petroncini TT 15 / TT 20
CoffeeTech Ghibli 15
Toper 5 / 10 / 15
Joper 5/ 15/ 25*
Coffed 3/ 5/ 15/ 25
Typhoon 20
Diedrich IR 2.5/ IR 5 / CR 25*/ DR 25
Stronghold S8 / S9

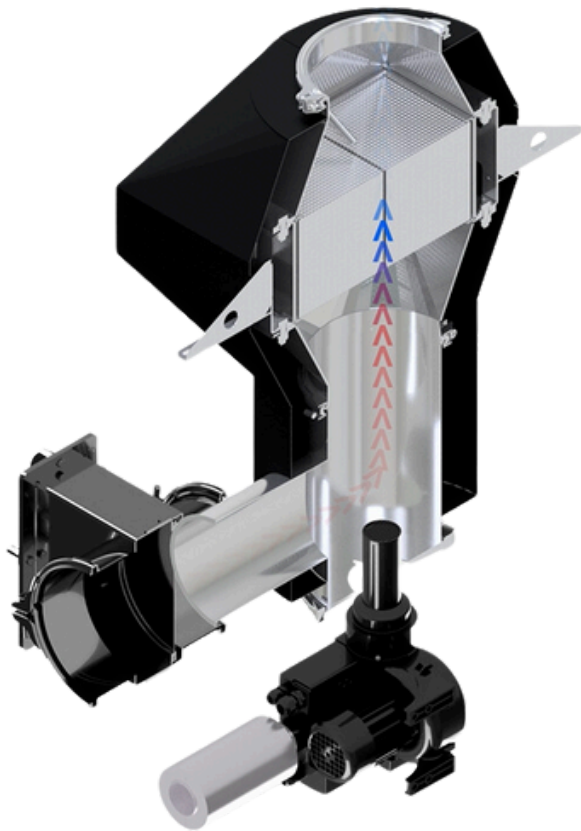
ReiCatino® 600

Probat UG 22 / P 25
Giesen W30
Petroncini 25
Coffeed 25
Genio 15*
Diedrich IR 12 / IR 25 / CR 25* / DR 35*
Toper 30
Joper 25 / 30

Please note: the matches are based on experience. The actual matching catalyst depends on the roasting exhaust air volume of each individual roaster and the temperature after the cyclone.

www.reicat-coffee.com

How does a catalyst work?



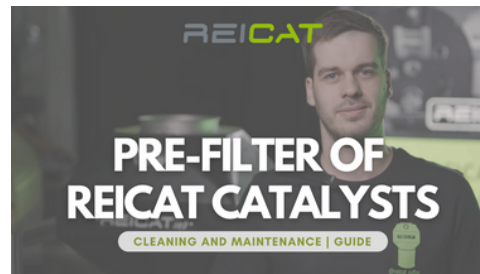
- **Initial Step:** Roasting exhaust air with organic impurities enters a pre-filter to protect the catalyst from coffee chaff that the cyclone can't capture.
- **Heating Phase:** Exhaust air flows through a pipe and is heated to the required reaction temperature by either an electric hot air blower or a gas burner.
- **Catalyst Process:** Once heated, the air reaches the catalyst, where smoke and odour are neutralised through a thermal reaction.
- **Visual Aid:** Check out our YouTube video for a detailed visual explanation.



What does maintenance involve ?



- **Low-Maintenance Design:** ReiCat catalysts are generally easy to maintain.
- **Cleaning Process:** Both the pre-filter and catalyst honeycombs can be cleaned with compressed air.
- **Pre-Filter Maintenance:** Regular service recommended; coffee scales can be removed from the pre-filter with a broom.
- **Guidance Available:** The operating manual provides detailed cleaning instructions and important usage notes.
- **Visual Aid:** See our YouTube video for further assistance.



What do the numbers mean in ReiCat product names ?

- The numbers in product names indicate the maximum roasting exhaust volume the catalyst can handle.
- ReiCat offers ten different catalyst sizes to accommodate various needs, ranging from 100 Nm³/h to 7,500 Nm³/h.
- ReiCat also offers modular solutions for roasters needing upgrades to existing catalyst housings.
- Available in standard and custom sizes.
- Two versions:
 - OxiKat: Standard version for smoke and odor neutralisation, reducing emissions.
 - VitarNOx®: Enhanced version with VitarNOx® technology for further nitrogen oxide reduction.





ReiCat GmbH

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For 40+ years, we've been supplying industrial plants that purify and recycle gas and exhaust...more

reicat.de and 1 more link

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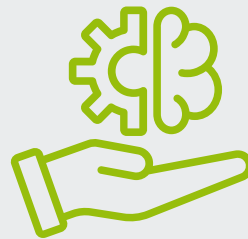
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Our Team



**creative minds
with passion**



**innovation through
experience**



**responsible interaction
with colleagues &
customers**



Other Questions? - Contact our team!



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