

# AIR PURIFICATION

for coffee roasting

A cluster of dark grey coffee beans is positioned in the bottom-left corner of the page, partially overlapping the edge.

**REICAT**  
Environmental Solutions

Coffee roasting with passion

# Smells great... doesn't it?

Delicious coffee is made at the roaster  
Café Passion every day.

Unfortunately, not only  
best coffee beans but  
also smoke and odours  
are produced during the  
roasting process.

Therefore, trouble  
with neighbours  
or authorities  
may arise.



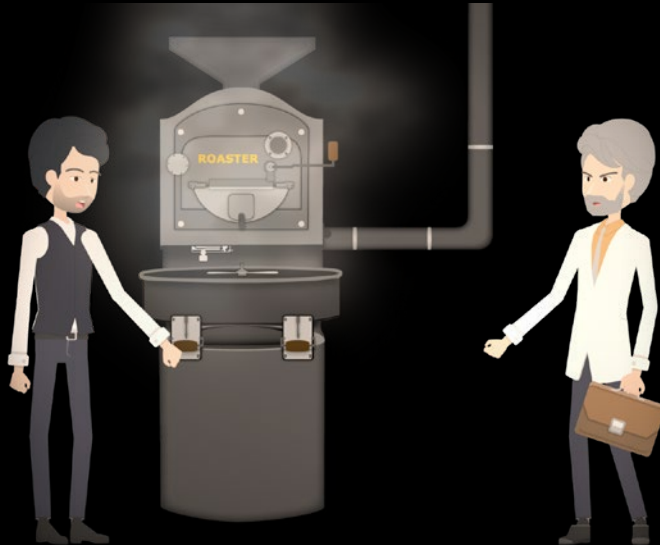
Some kind of trouble

# How to meet requirements

In recent years there has been a continuous increase of regulations regarding atmospheric emissions for the coffee roasting.

This forces more and more coffee roasters to take measures:

Many requirements have to be met.



Solutions by ReiCat

# Waste air purification for coffee roasters

Our coffee roaster is desperately looking for the right solution: ReiCat. Solutions for all roaster brands and sizes, electrically or gas powered, are available.

With ReiCat's catalytic purification units the problem vanishes.

Plumes and unpleasant odours can be eliminated.

Legal requirements according to technical instructions on air quality control can be met if required.



Advantages of ReiCat's air purification

# ReiCat offers the needed solution

- ✓ Complete removal of plumes & odours
- ✓ Electrical or gas powered
- ✓ Plug-in systems for shop roasters
- ✓ Low maintenance
- ✓ Easy handling
- ✓ Applicable for all roaster brands



## Waste air purification

# ReiCatino®

Using the electrically powered catalyst ReiCatino® also smallest coffee roasters can eliminate plumes and odours completely.

## ReiCatino® 100



Suitable for roasters up to 5 kg per batch with a capacity up to 100 Nm<sup>3</sup>/h

## ReiCatino® 450



Suitable for roasters from 5 kg up to 30 kg per batch with a capacity of up to 450 Nm<sup>3</sup>/h

## Waste air purification

# ReiCat Gourmet

The ReiCat Gourmet catalyst provides a compact solution for small and medium coffee roasters to eliminate plumes and odours.

## ReiCat 600



Suitable for roasters from 30 kg up to 60 kg per batch, its capacity is up to 600 Nm<sup>3</sup>/h

## Waste air purification

# ReiCat Industrial

The ReiCat Industrial catalyst is designed for medium and large coffee roasters. ReiCat provides a system that allows companies to comply with the environmental limits and reduce the energy consumption.

## ReiCat 3200



## ReiCat 5000



Suitable for roasters from 60 kg up to 720 kg/batch, capacities from 600 Nm<sup>3</sup>/h up to 7500 Nm<sup>3</sup>/h.



## Even more advantages

# Energy efficient and environmentally friendly

- ✓ Reduction of operating temperature to 250 °C or 350 - 380°C in compliance with legal regulations:
  - Formaldehyde <15 mg/Nm<sup>3</sup>  
(<5 mg/Nm<sup>3</sup> if required)
  - VOCs <35 mg/Nm<sup>3</sup>
  - NOx <350 mg/Nm<sup>3</sup>  
(<200 mg/Nm<sup>3</sup> if required)
  - CO <100 mg/Nm<sup>3</sup>
- ✓ Complete removal of plumes and odours
- ✓ Drastic reduction of energy consumption



Experience and competence

# Reliability sets bench marks

Our goal is to set new standards with the ReiCat catalytic purification system and to provide an **energy efficient and environmentally friendly solution** to coffee roasters.

Our participation in the Italian Group of Coffee Roasters (Gruppo Italiano Torrefattori Caffè) as well as the memberships in the German Coffee Association (Deutscher Kaffeeverband) and the German Roaster Guild (Deutsche Röstergilde) enables us to promote and inform about all the benefits for our international customers.



Catalytic solutions for any demand

# Pure Air & Sustainability


	ReiCatino®	ReiCat Gourmet	ReiCat Industrial
<b>Batch range:</b>	up to 30 kg	30 – 60 kg	60 – 720 kg
<b>Exhaust air flow:</b>	up to 450 Nm <sup>3</sup> /h	450 – 600 Nm <sup>3</sup> /h	600 – 7.500 Nm <sup>3</sup> /h
<b>Working temperature:</b>	200 - 250 °C	250 - 380 °C	250 - 380 °C
<b>Power supply:</b>	Elect. heat blower	Gas burner	Gas burner
<b>Output:</b>	approx. 6 - 11 kW	approx. 26 - 130 kW (depending on unit size)	approx. 140 - 500 kW (depending on unit size)


# REICAT

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