

# After Burner

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## Smokeless Roasting

When choosing a roaster from Coffee-Tech, you can rest assured that your equipment is well engineered, a product that is the fruit of long-standing R&D in all related aspects without cutting corners. It will always represent advanced and pioneered technology as our approach for innovation and development is central to our philosophy.

Amongst our expertise in mechanical engineering and thermodynamics, we have heightened awareness and responsibility towards pollution, efficiency and protecting the planet.

As a companion for our fine roasting machines, we offer a few innovative and highly efficient smoke treatment solutions. On this page we present our highly efficient Afterburners for the Ghibli line.

Coffee roasting pollution, determined as smoke, is characterized by a few properties such as steam, volatile aroma, vaporized oil, organic dust, ash and gases such as CO, NOx, SOx and others.

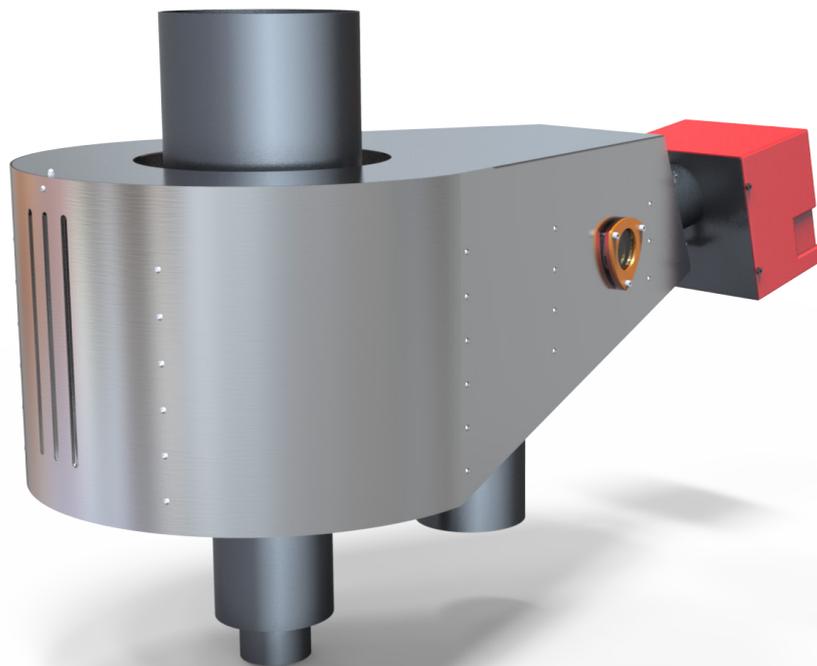
Our afterburner is meticulously designed to greatly reduce these gases efficiently and accurately.

Most currently available afterburners are designed to treat the smoke coming from the roasting drum only, while the smoke from the cooling process is left untreated to the ambient with a separate duct. Our afterburner absorbs the smoke from both sources within the machine - the roasting drum, and the cooling group itself. The result is zero smoke - emitted externally via a single duct facilitating installation, maintenance and operation.

Installing an afterburner will assure your duct remains clean and free from the need for periodical cleaning, which can turn into a major annual expense, although periodic inspection is required).

In addition, a dirty and unmaintained duct exposes the entire building to severe risk of fire.

That being said, running a roaster without afterburner and without cleaning the duct is not an option, and this must be taken under consideration when calculating operational costs.



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## Who needs an afterburner?

Anyone who is striving to produce high-quality coffee.

Producing quality coffee needs requires fresh secondary air, a clean dedicated and controllable flame and high rate of conduction, a much higher than gas recirculating system method is permitted. Thus a roasting machine needs its own burner and burnt gases, while pollution should be treated externally and away from the roasting drum. For this reason the afterburner should be a separated unit, located apart from the roaster as placed after the cyclone/chaff collector.

The Afterburner is located directly above the exhaust of the chaff collector. This arrangement takes no extra floor space than occupied by the machine.

We produce Afterburners for all sizes and batch capacity roasters, from our smallest commercial roaster to the fully industrial roasting line.

Our afterburner is built to last, with best materials for years of lasting service. These devices are exposed to a high rate of oxidation and extreme conditions, allowing no smoke or odors to escape. The design is called a Fullflow which adds no resistance to the machine's aspiration capability.

In many cases, it will save a measurable length of duct and chimneys in order to keep the smoke away, whereas with the Afterburner the duct can be shorter as there is no longer any pollution.

- See our other revolutionary smoke solutions

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## Standard features;

- Heavy duty construction and high performance.
- Efficient gas consumption
- Safe and stable CE approved gas burner
- **Conducts smoke both from cooling and exhaust simultaneously (Ghibli R15)**
- Low NOx low Carbone monoxide emission
- Large inspection lens for flame monitoring
- Most compact in size, footprint saver
- Flanged chamber for easy accesses for internal servicing
- Futuristic and modern design.
- Shielded for heat dispersion.

## Technical Specifications

### Materials:

Carbon steel/Stainless steel/  
Aluminum/Ceramic insulation up to 1200°C

### Dimensions (Cm):

64(w) x 134 (d) x 42 (h) Exhaust diameter: 258mm

### Weight:

90 kg

### Electrical specifications:

Single phase 220-240VAC 300W  
50/60hz

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## Technology & Features



Maintenance Free



Low Energy Consumption



Smoke Free



Green Product