



Vito**therm**

Passion for burners



02

Who we are 03

Where do we deliver 08

What we do 04

Case study 09

Burner types
Fuel types

Douwe Egberts Coffee

24/7 Service 07

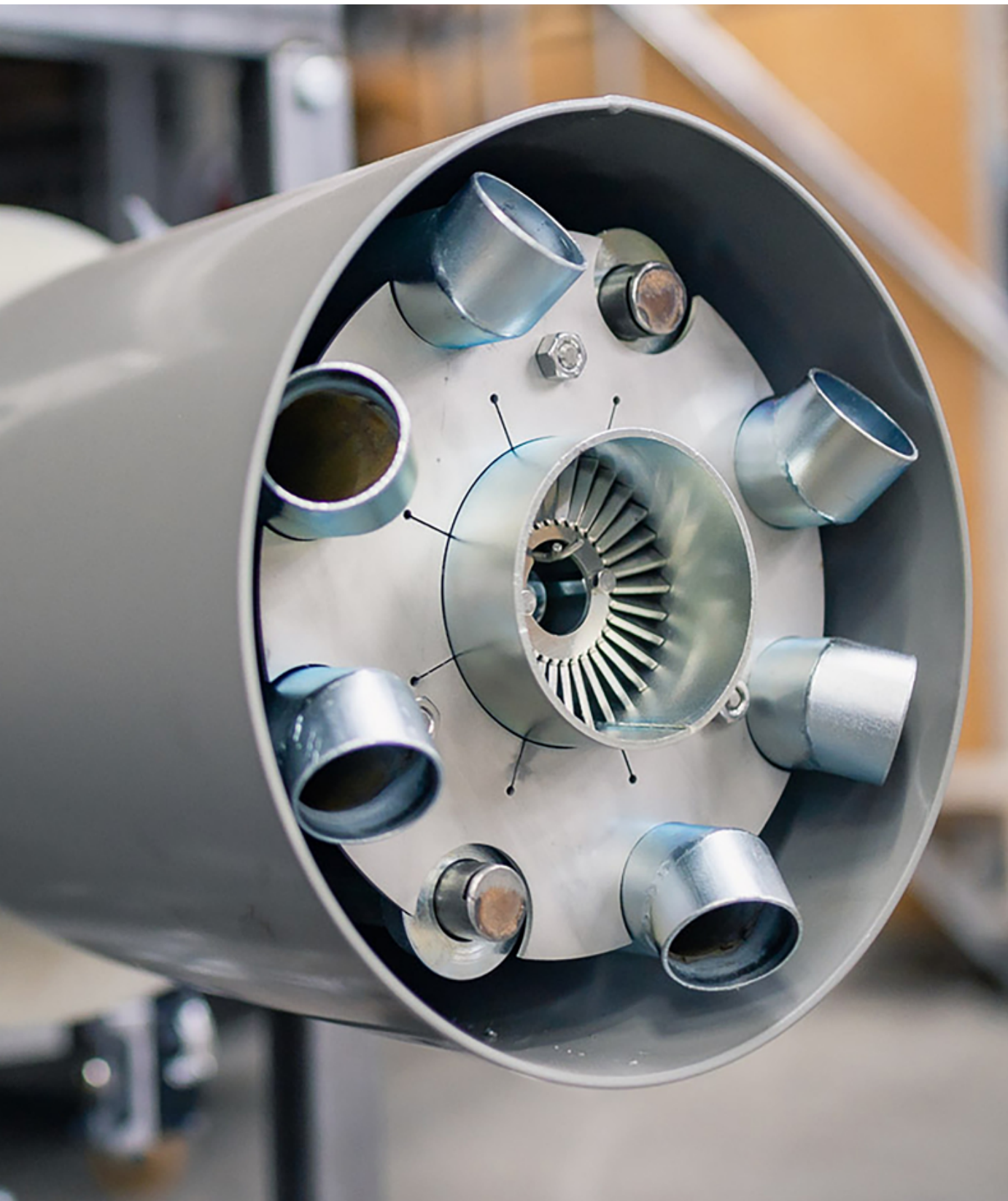
Contact 12

INDEX



WHO WE ARE

03



Vitotherm is a producer and supplier of high-quality burners for horticulture, industry, domestic buildings and asphalt production.

The company is located in Pijnacker, the Netherlands and has over 40 employees. The burners are developed and produced at Vitotherm itself and are available in many versions and with any capacity.



WHAT WE DO

04

**Burners suitable for intermittent firing and
continuous firing on**

Warm- water / Hot water boilers, direct-indirect fired.

Steam boilers.

Air Heaters direct and indirect fired.

Process applications.



BURNER TYPES

05

Gas burners

VGIs-

100,150,200,250,300,350,400,450

500,600,700,800,1000,1250,1500

Oil burners

VOIs-

100,150,200,250,300,350,400,450

500,600,700,800,1000,1250,1500

Gas-oil burners

VGOIs-

100,150,200,250,300,350,400,450

500,600,700,800,1000,1250,1500



■ NG

NATURAL GAS

■ LPG

LIQUEFIED PETROLEUM GAS

■ LNG

LIQUEFIED NATURAL GAS

■ Bio-gas

■ Light-oil

■ Bio-oil

FUEL TYPES



06



SERVICE

24/7 Support

We employ certified, highly qualified and motivated staff to help customers like you every day, any time.



07





CUSTOMIZATION 08

Guaranteeing customer success by customization

An important part of our success can be explained through the ability of Vitotherm's engineers to customize our burner systems to all of our customer's specific requirements.



Where do we deliver?

Everywhere!

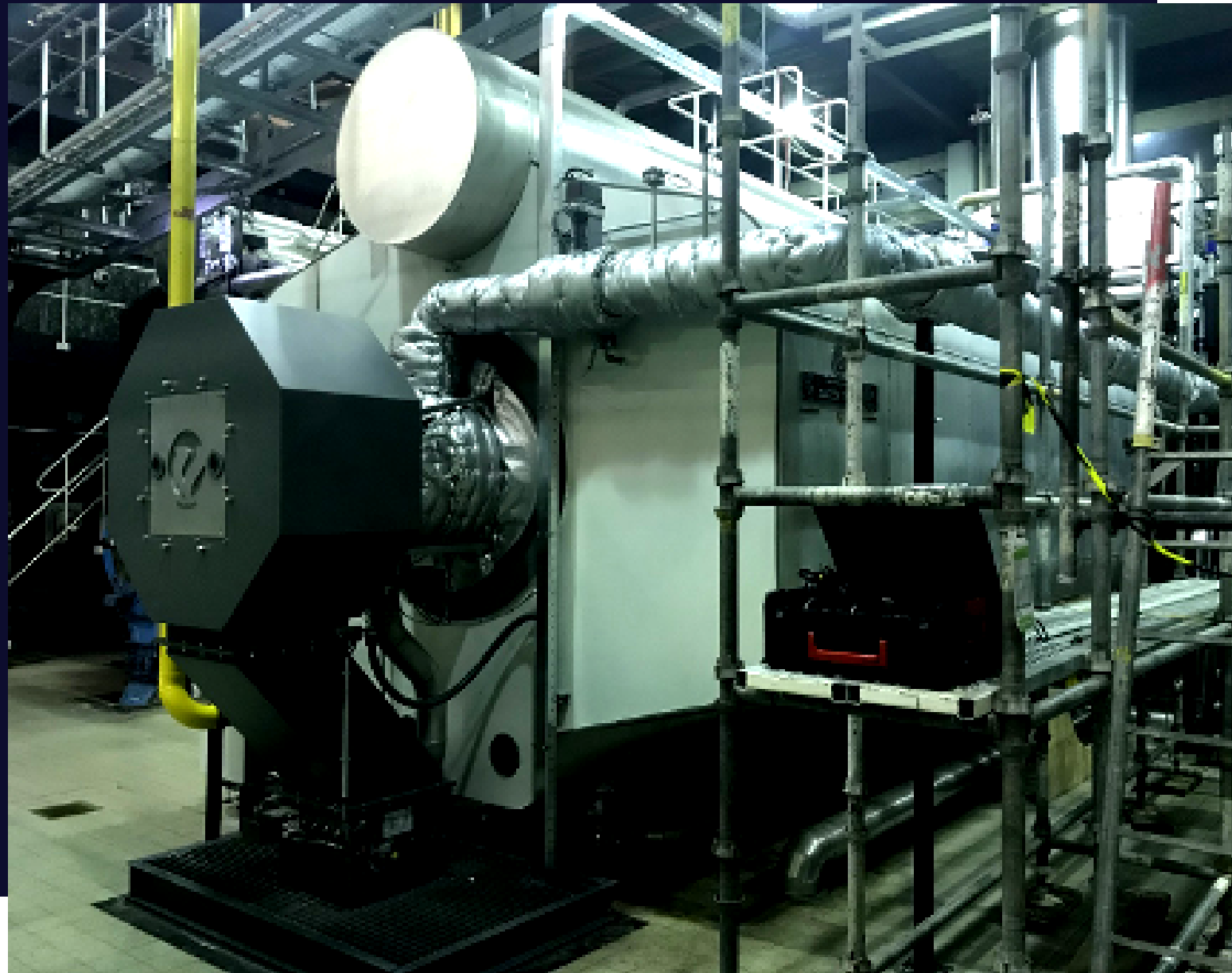
Vitotherm products are not only for the Dutch market. You can find the burners all over the world.



CASE STUDY

JACOBS DOUWE EGBERTS JOURE

is an international Dutch brand founded
in 1753 with numerous beverage brands
(coffee, tea and hot chocolate)



We customized this burner for an existing steam plant. The Required NOx emissions where so low that we used FGR to reach that level.

The BIO-gas is produced from a water purification plant, is mixed to the burner with 2 gas trains.

The combustion is monitored by an O₂/CO controller that will adjust the combustion in real time for the optimum combustion setting or change in calorific value of the BIO-gas that is produced. The used O₂/CO controller is capable of having the O₂ below 1% for maximum efficiency from the combustion.



12

Burner Characteristic

Burner type

Vitotherm
VGIs-1500-FRQ-M-
ETA
DUO-Block

Burner power

15,000 kW

Burner management system

Lamtec Etamatic S
OEM

Fuel 1#

Natural Gas

Fuel 2#

Bio-Gas

Industrial purpose

Coffee production
plant

Boiler

High pressure steam
boiler

NOx level

< 50 mg/Nm³ @3%
O₂

MMBTU

51





Vitotherm

CONTACT

Overgauwseweg 8 2641 NE Pijnacker

+31 (0) 153 694 757

info@vitotherm.nl

www.vitotherm.nl

