

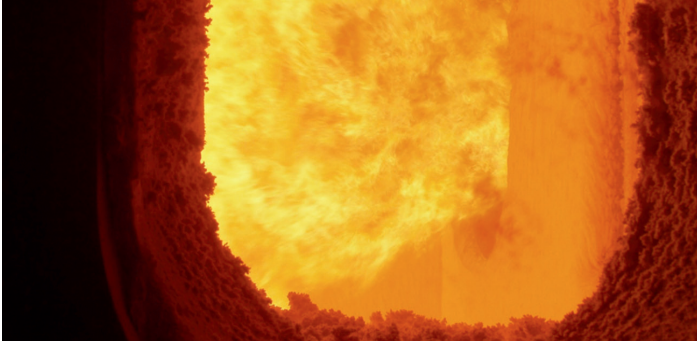
**COMBUSTION SYSTEMS / BURNERS  
OPTIMIZED FOR A  
WIDE RANGE OF FUELS**

Mitsubishi Power is a power solutions brand  
of Mitsubishi Heavy Industries.

**Mitsubishi Power Europe GmbH**

MOVE THE WORLD FORWARD  **MITSUBISHI  
HEAVY  
INDUSTRIES  
GROUP**





Whether in large power plants for pure power generation or in industrial power plants for process steam / power generation: Burner and firing concepts from Mitsubishi Power Europe are used in almost all areas of energy conversion. Our combustion plants are optimally adapted to a large number of fuels and their specific properties (e. g. calorific values and flame speeds).

Tailored to the respective requirements, we carry out thermal engineering calculations and create upgrade / repair concepts for conversion and fuel conversion, among other things. Our experts take care of all aspects – from engineering to delivery to commissioning – and thus ensure optimum integration of our combustion plants into the power generation process.

## FUELS

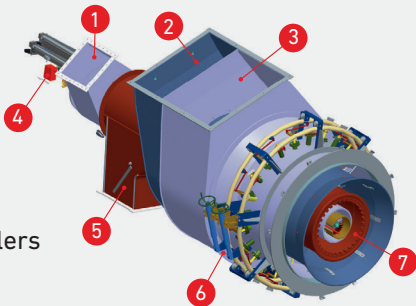
- Bituminous coal
- Lignite
- Biomass (pulverized wood pellets, straw, meat bone meal etc.)
- Residual coke / petroleum coke
- Sludge
- Fuel oil (LFO, HFO)
- Petroleum refinery residual liquid fuels
- Natural gas
- Coke-oven gas
- CO exhaust gas
- Blast furnace gas
- Converter gas
- Process gases with high content of e. g. NO<sub>x</sub>, H<sub>2</sub>S, NH<sub>3</sub>

## FURNACE TYPE

- Dry bottom ash furnace (e. g. Front-, Boxer-, Tangential- Firing)
- Slag tap furnace (e. g. Top Firing)
- Waste incineration boiler (Ignition burner)
- Post combustion chamber

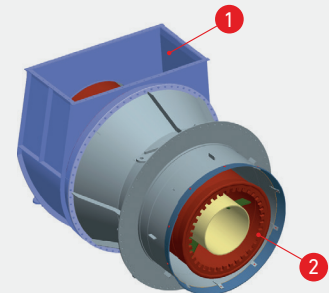
### DS® BURNER FOR BITUMINOUS COAL

- 1 Core Air
- 2 Secondary Air
- 3 Tertiary Air
- 4 Igniter
- 5 Pulverized Fuel
- 6 Adjustable Swirlers
- 7 Fuel Nozzle



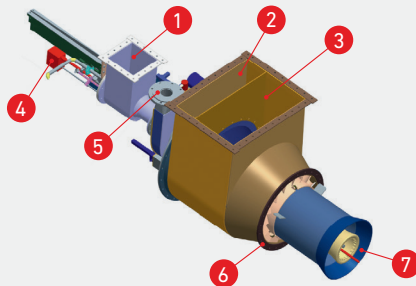
### RS® BURNER FOR LIGNITE

- 1 Secondary Air
- 2 Fuel Nozzle



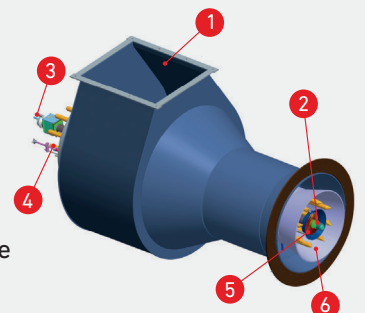
### DST BURNER FOR ALL PRE-DRIED PULVERIZED FUELS

- 1 Core Air
- 2 Secondary Air
- 3 Tertiary Air
- 4 Igniter
- 5 Pulverized Fuel
- 6 Swirlers
- 7 Fuel Nozzle



### ADS BURNER – OIL / GAS

- 1 Secondary Air
- 2 Oil Nozzle
- 3 Oil Gun
- 4 Adjustable Swirlers
- 5 Swirlers
- 6 Multi-Spot Gas Nozzle



For more information please contact our team: [sales@eumhi.com](mailto:sales@eumhi.com)