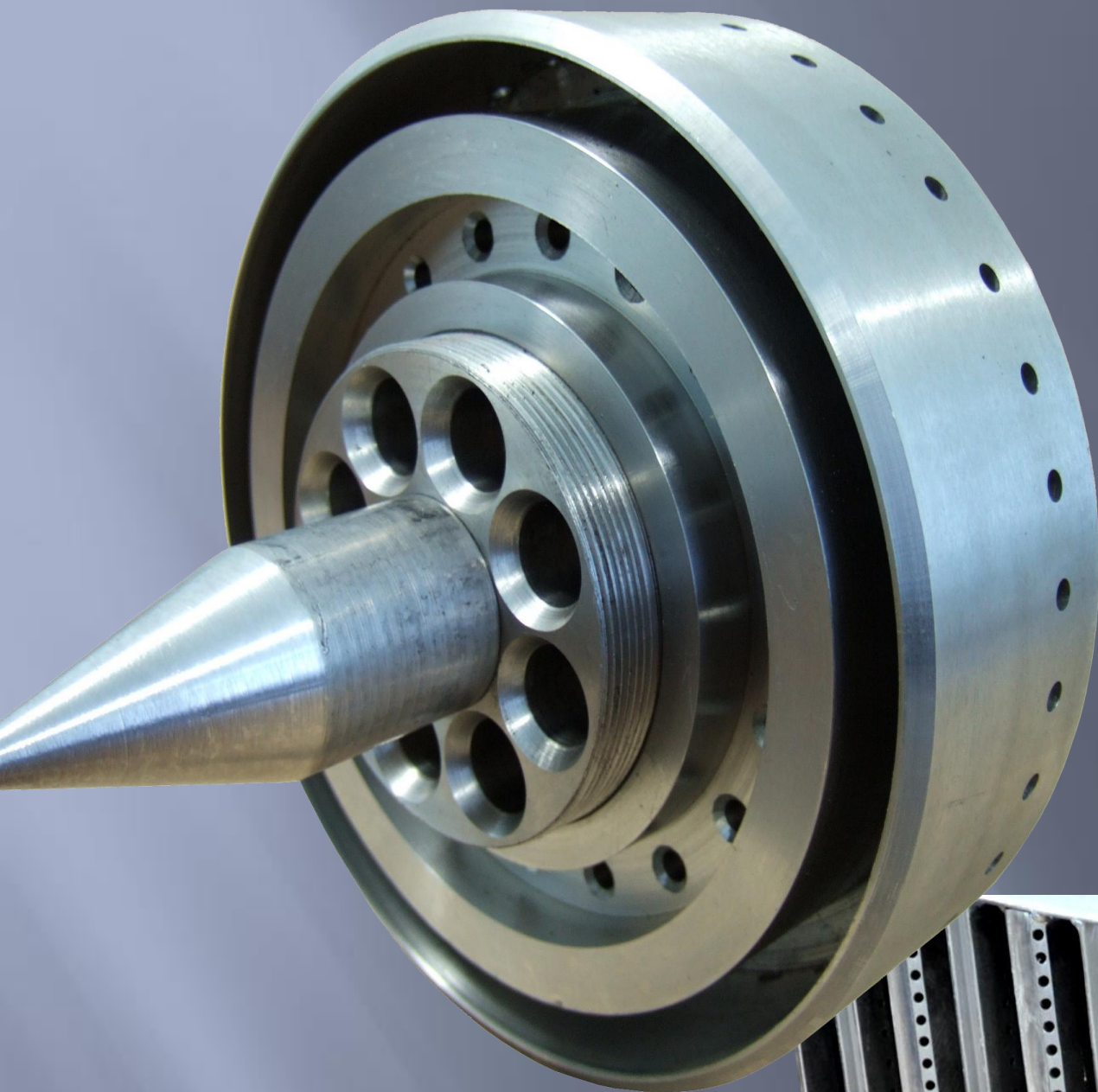




Industrial Combustion Technologies and Solutions



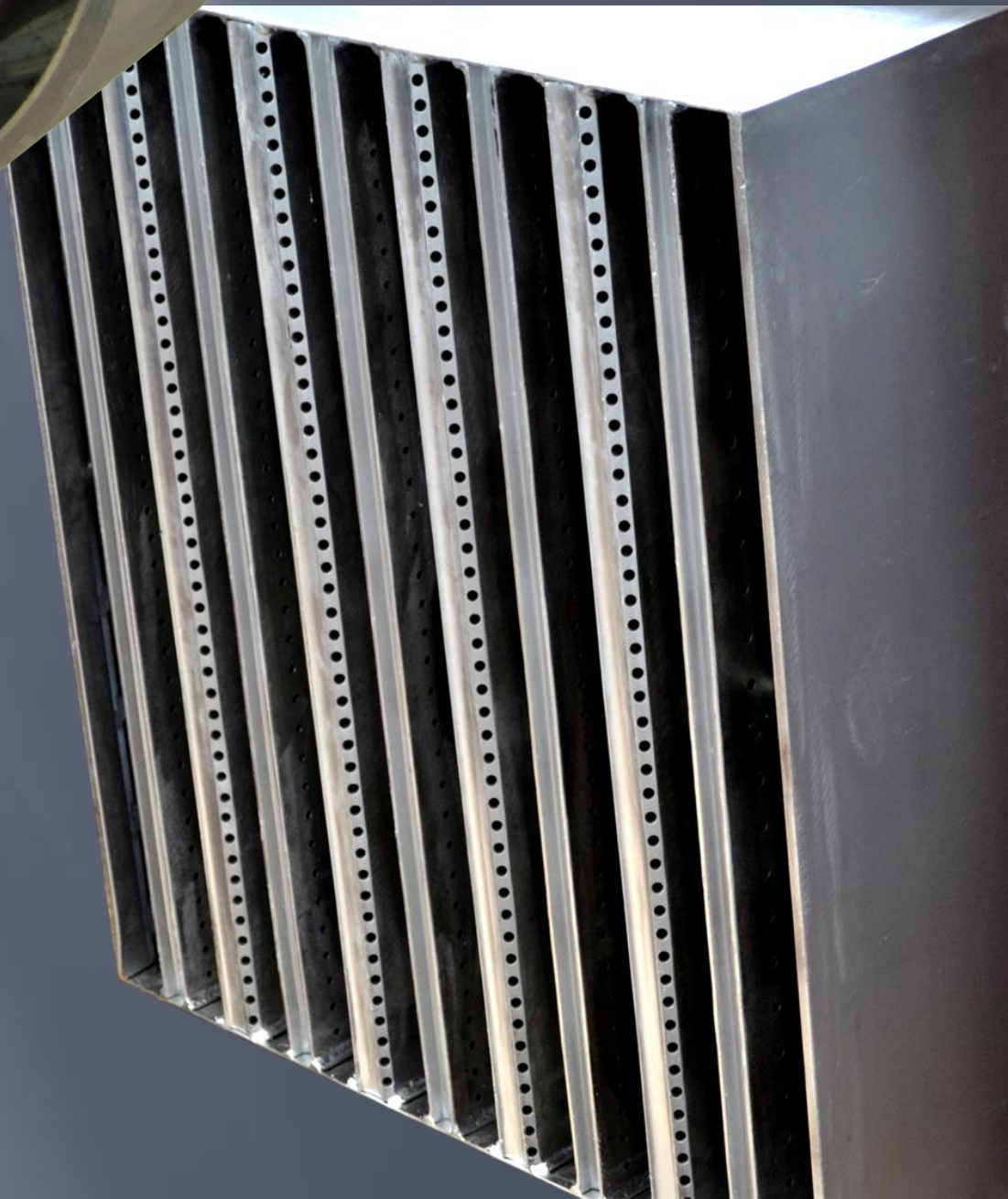
CUSTOM  
COMBUSTION  
EQUIPMENT  
SOLUTIONS

NOVEL  
COMBUSTION  
TECHNOLOGY

INDUSTRIAL  
BURNERS

GAS TURBINE  
COMBUSTORS

HEAT  
GENERATORS

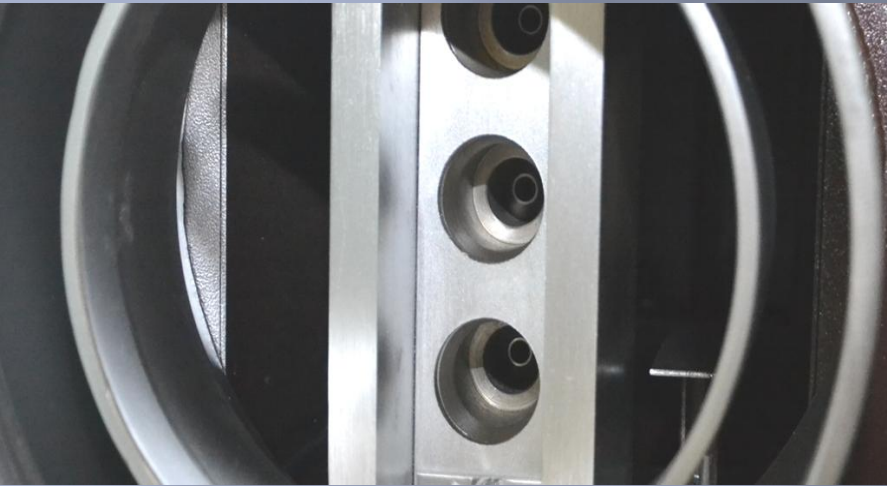




# **PeriFlame**

**Industrial Combustion Technologies and Solutions**

**Leader in Custom  
Combustion Solutions**



**Increased Efficiency**

**Advanced Safety**

**Maximum Economy**

**Maximum Operational  
Range**

**Advanced Flame  
Manageability**

**Reduced Operational Costs**

**Minimal Emissions**



**Superior Reliability**



**Specialized Combustion  
Equipment Designs**

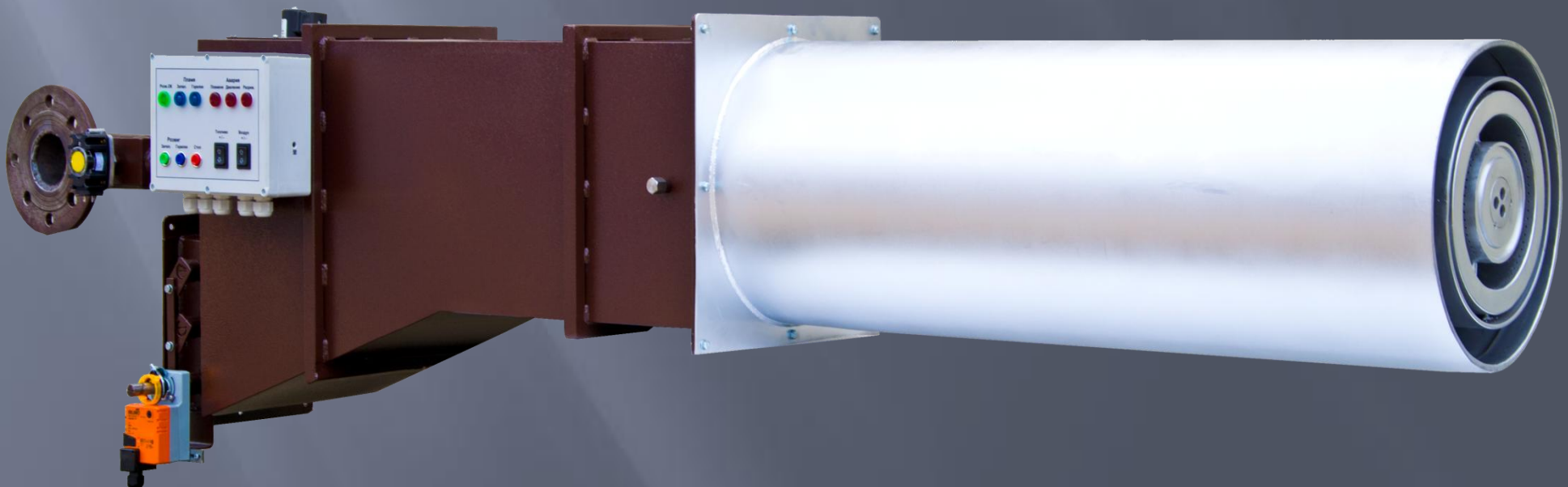
# PeriFlame

## Industrial Combustion Technologies and Solutions



### Burners for all industries:

- Heating Boilers
- Steam Generators & Boilers
- Technological furnaces
- Rotary Kilns
- Heat treatment furnaces
- Dryers
- Oil refinery
- Degassing mines
- Biogas plants
- Ground flare units





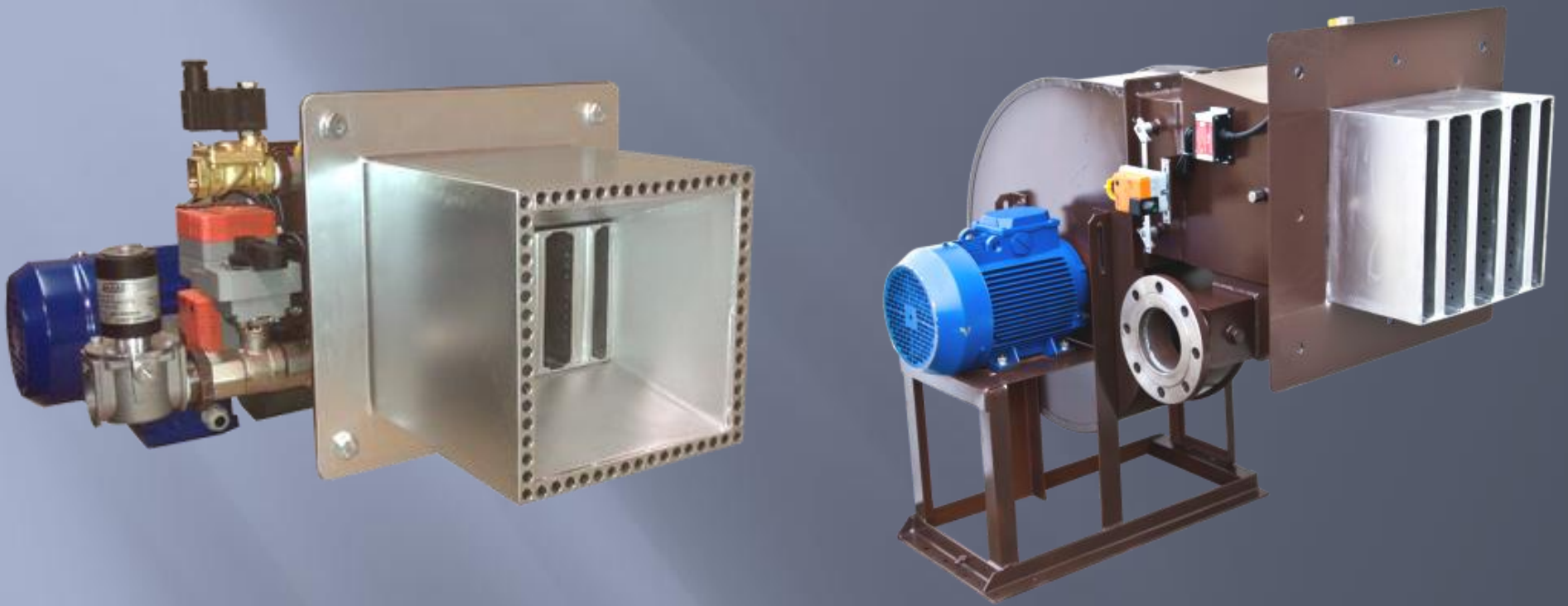
### Why choose PeriFlame

- Combustion Technologies and Solutions Provider
- Engineer, manufacture and implement combustion equipment for all use cases and industries.
- Leader in custom combustion solutions.
- Representatives in North America, Europe and Australia.
- 30+ years experience in custom design and manufacturing of specialized industrial burners.
- Authored and utilize state-of-the-art novel Combustion Technology.
- Customer oriented and committed to quality and excellence.
- Research into combustion processes is recognized and presented internationally.





## Industrial Combustion Technologies and Solutions



### Periflame's Microdiffusion Combustion Technology (MCT)

- MCT utilizes a novel combustion constants, novel topological schemas and calculation methods enabling Periflame to provide custom fitted solutions tailored to each use case.
- MCT's mechanism combines straight-flow flame-holders and a proprietary fuel-feeding system, which avoids disordered and superfluous mixing of fuel with oxidizer and with combustion products, enabling Periflame's equipment to have granular burner manageability over the entire capacity range
- Microdiffusion flames are extremely close to the theoretically optimal structure and we utilize them on our burners for their advantageous properties.
- By having the ability to regulate flame configuration and flame temperature, customers are able to significantly reduce NO<sub>x</sub> emission. This is made possible by utilizing proprietary two-stage combustion mechanism.



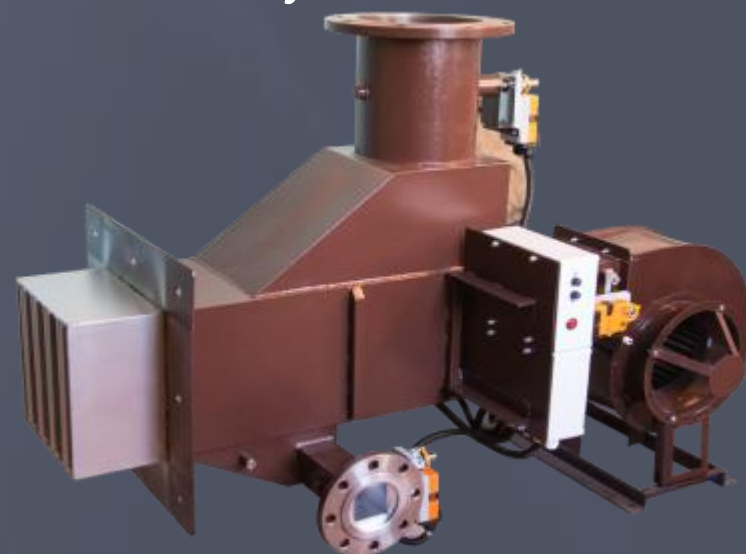
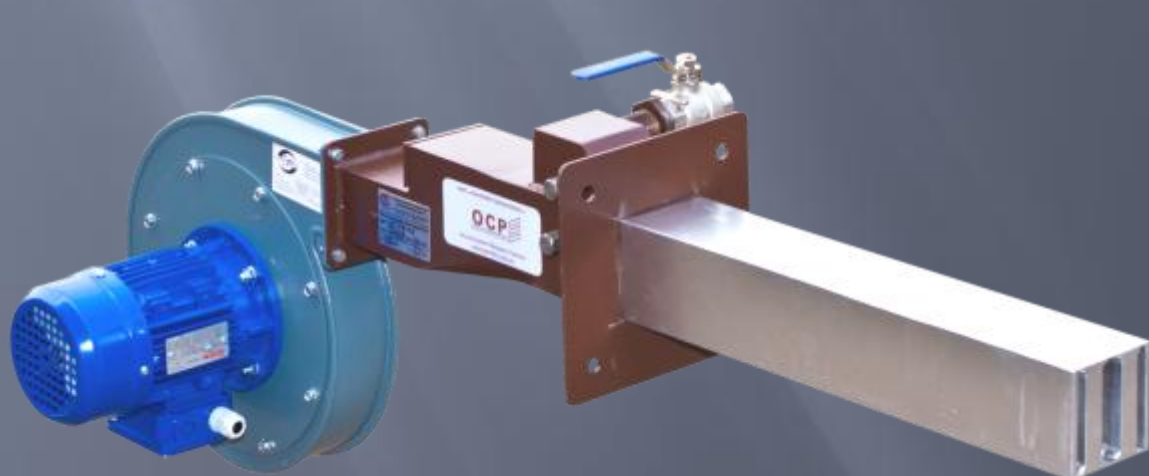


## Industrial Combustion Technologies and Solutions



Industrial burner product lines for all fuels  
Single unit capacity 0.25MW-100MW

- MD-G Product line: Gas Burners for NG, LPG, Syngas, Biogas, etc.
- MD-2G Product line: Specialized Gas Burners for 2 types of mixable or unmixable gases
- MD-OG Product line: Dual-Fuel Burners for Oil and Gas.
- MD-O Product line: Liquid-Fuel Burners for Heavy (OH), Light (OL), Waste (OW) Oils
- MD-PCG Product line: Dual-Fuel Burners for Pulverized Coal and Gas.
- MD-OG-RK Product Line: Industrial Burners for Rotary Kilns





## Industrial Combustion Technologies and Solutions

Engineered, manufactured and deployed thousands of custom industrial burners and heat generators to customers world wide.

Industry proven approaches for equipment engineering and manufacturing using MCT to provide clean, safe, and efficient combustion products, solutions and experience.

Our products are engineered to provide maximum fuel efficiency, dependable operation, increased environmental safety and make combustion processes more profitable.

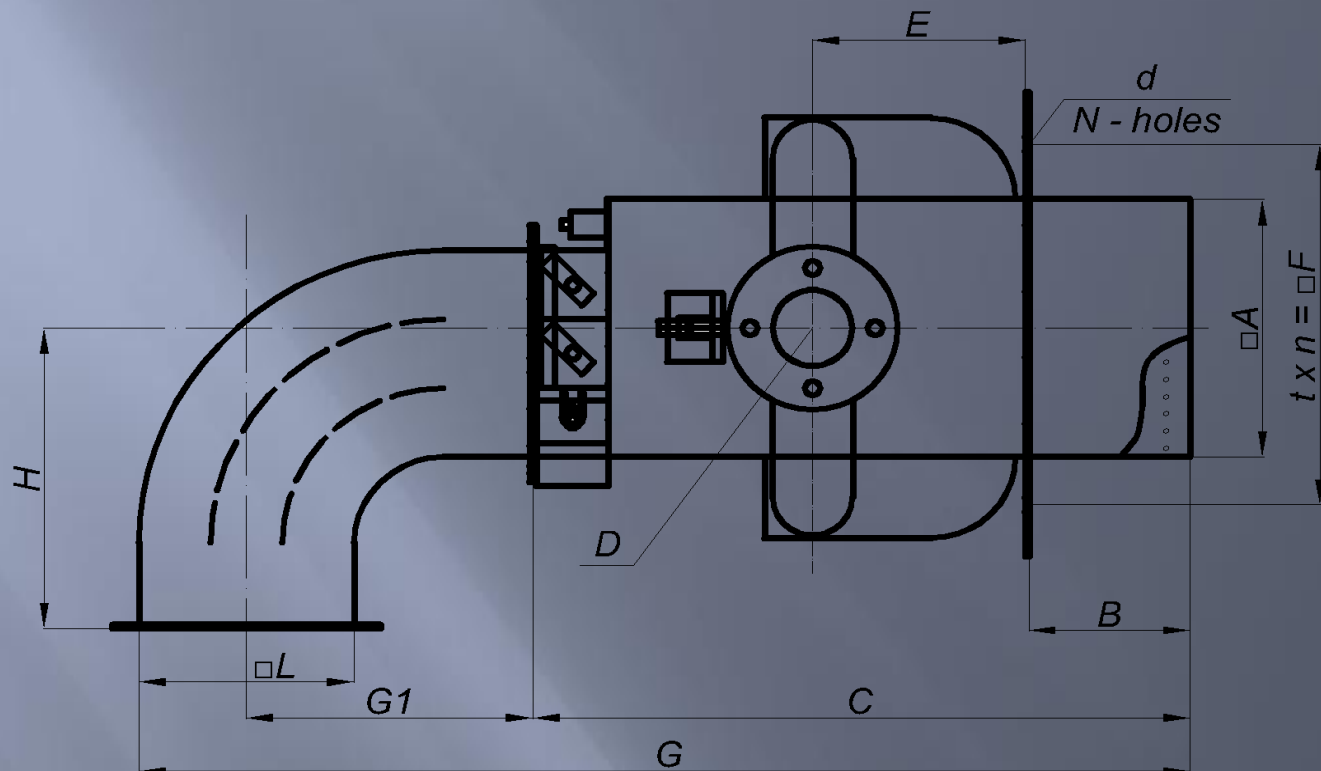
- Industry proven approaches for equipment engineering and manufacturing using MCT to provide clean, safe, and efficient combustion experience.
- Our products are engineered to provide maximum fuel efficiency, dependable operation, and help reduce operational overhead.







Industrial Combustion Technologies and Solutions



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