

yeten combustion

industrial burners & control equipments



**HIGH PERFORMANCE BURNERS
ENVIRONMENT TECHNOLOGIES**

MSB HIGH & MEDIUM VELOCITY BURNERS



TECHNICAL FEATURES

Capacities: 90 - 3000 kW

Turndown Ratio: 1:10

Lambda - λ : 0,7 - 40

Metal Flame Tube (AISI 310 SS): Max. 900 °C

SiC Flame Tube: Max. 1380 °C

Refractory Tile: Max. 1600 °C

Low NOx & CO Emissions

APPLICATION AREAS

Air Pollution Control

Regenerative / Recuperative Thermal Oxidizers

Incinerators

Recycling Applications

After Burner Systems

Denox Systems

Crematoriums

MSB LARGE CAPACITY VELOCITY BURNERS

MSB burners are produced from 1000 kW to 3000 kW, ensuring reliable performance for high-demand applications. Upon request, they are supplied with stainless steel body, providing enhanced durability and resistance in challenging environments.



MSB 100 BURNER - 1000 kW
CARBON STEEL BODY



MSB 200 BURNER - 2000 kW
STAINLESS STEEL BODY

NHG INDUSTRIAL GAS BURNERS



Capacities: 400 - 20000 kW

Working Temperature: Max. 1600 °C

Combustion Air Temperature: Max. 600 °C

Fuels: Natural Gas, LPG, Propane, COG, etc.

Ignition: YETEN PB 01 Pilot Burner, YETEN DSI Direct Spark Plug

Operation with 10 % Excess Air

NHD GAS - OIL DUAL FUEL BURNERS

NHD burners can operate with both gas and liquid fuels, or exclusively only with liquid fuels when required. Their versatile design ensures reliable performance and high combustion efficiency across a wide range of industrial applications.

Capacities: 600 - 5000 kW

Working Temperature: Max. 1600 °C

Combustion Air Temperature: Max. 600 °C

Fuels: Natural Gas, LPG, COG, Oil - No: 2, 4, 6 and Others

Ignition: YETEN PB 01 Pilot Burner



REGENERATIVE THERMAL OXIDIZERS

YETEN Combustion produces package burner systems for Regenerative Thermal Oxidizers, designed for safe, efficient and reliable combustion. Each system is supplied as a complete set which includes,

- Low NOx Burner,
- Combustion Air Fan with Noise Hood (< 80 dB)
- Pre-Assembled Gas Train,
- Pre-Assembled Air Pipings,
- Pre-Wired Burner Control Cabinet

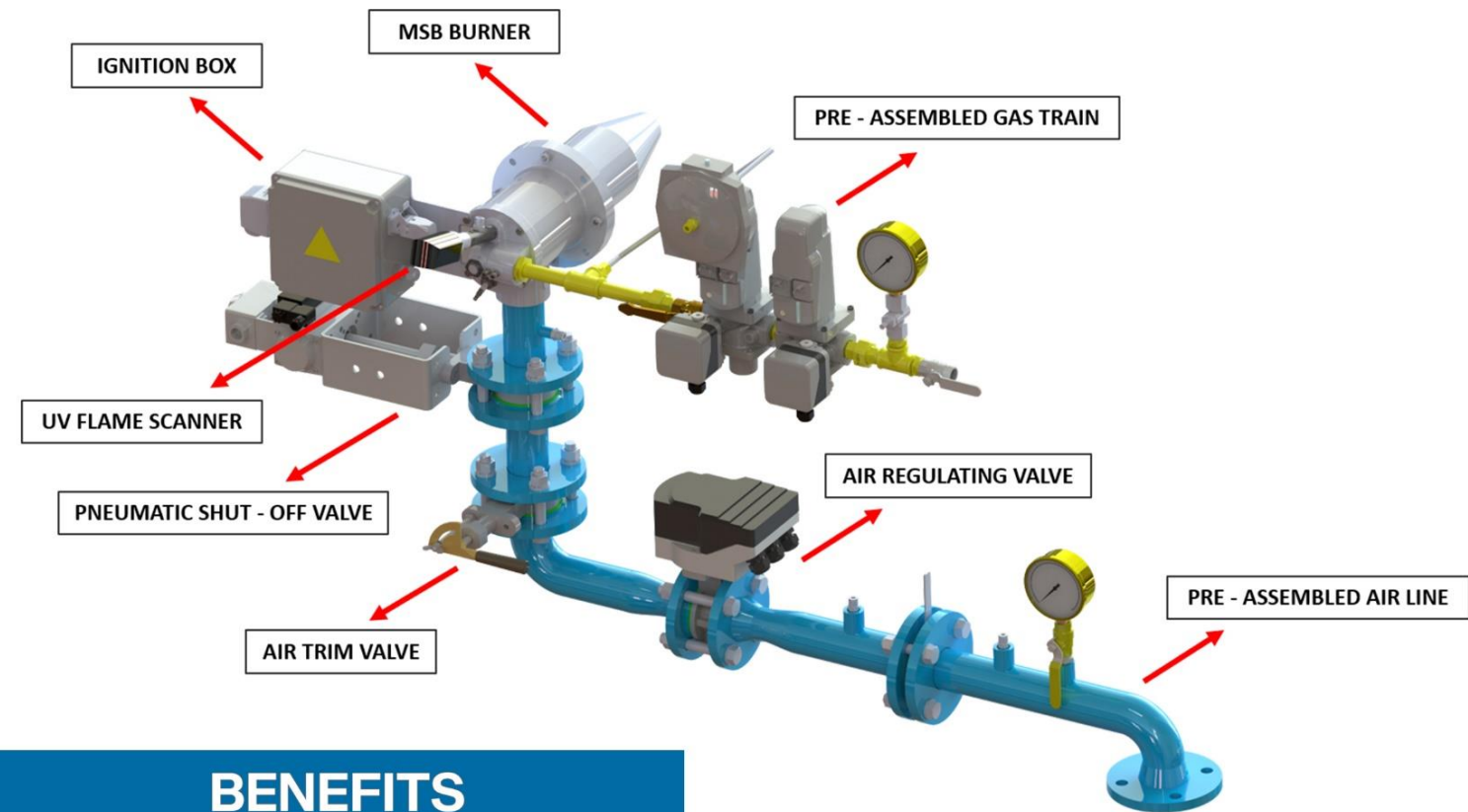
IP 66 INSTRUMENTS

Equipped with IP 66 rated instruments, our systems ensures full protection against outdoor conditions.

With durable components, they guarantee long service life and reliable operation.



COMPLETE PACKAGED SYSTEM



BENEFITS

- Fast installation, pre-assembled systems minimized on-site work.
- Reliable performance, stable burner fuel/air ratio under changing RTO inside pressures.
- **Safe operation, system design acc. to ISO 13577-2 combustion safety standards.**
- Environmental compliance, low NOx & CO emissions confirmed.
- **Smart integration, BCU connected via profinet to end-user's system.**

COMBUSTION AIR FAN WITH NOISE HOOD

To achieve stable combustion against positive RTO inside pressures, high pressure fans are chosen.

Combustion air fan is equipped with a noise hood which reduces the noise level below 80 dB, ensuring a quiet and efficient combustion process.

This feature not only protects the fan from outdoor conditions but also provides a more comfortable working environment on site.

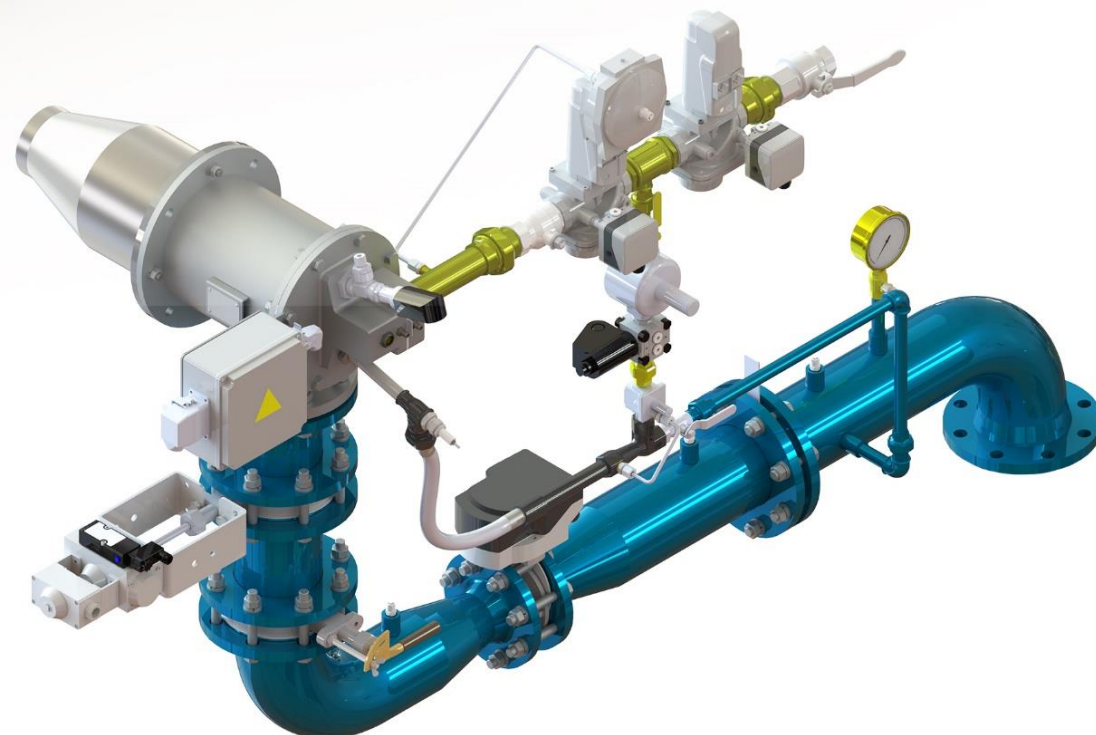
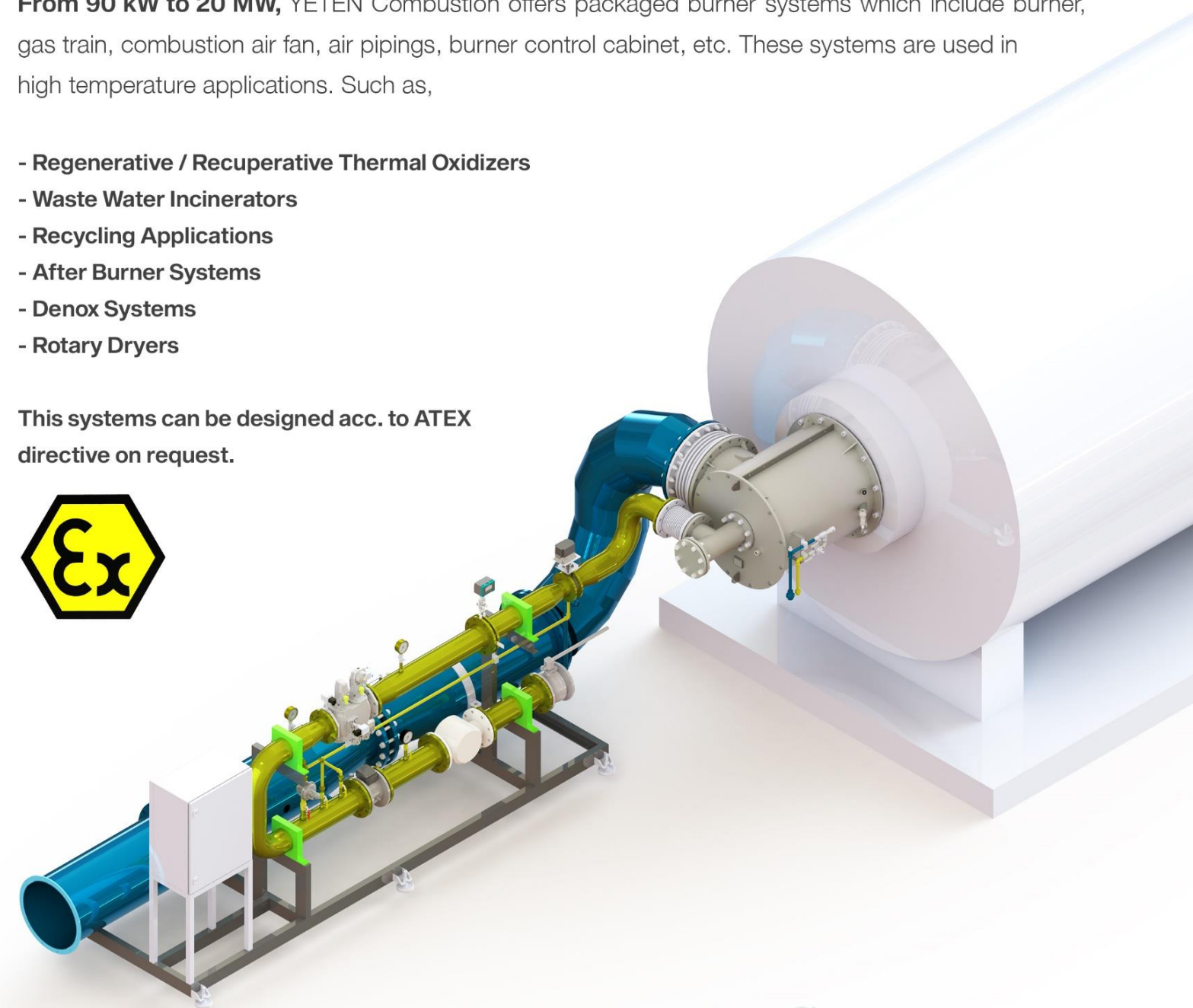


PACKAGED BURNER SYSTEMS

From 90 kW to 20 MW, YETEN Combustion offers packaged burner systems which include burner, gas train, combustion air fan, air pipings, burner control cabinet, etc. These systems are used in high temperature applications. Such as,

- Regenerative / Recuperative Thermal Oxidizers
- Waste Water Incinerators
- Recycling Applications
- After Burner Systems
- Denox Systems
- Rotary Dryers

This systems can be designed acc. to ATEX directive on request.



PRE-ASSEMBLED GAS TRAINS

YETEN Combustion manufactures pre-assembled gas trains, designed in compliance with international standards, regulations, and local gas distributor requirements. All weldings are carried out by certified welders, and upon request, PQR and WPS documents can be provided. Each gas train is leakage tested and mounted on transport supports for easy installation and commissioning.



CE CERTIFIED BURNER CONTROL CABINETS

Our CE certified burner control cabinets are engineered for heavy duty applications and fully comply with international combustion safety standards such as ISO 13577-2. They integrate advanced fail safe BCUs and precise temperature controllers with communication options like Profinet, Modbus, etc.



**GAS RATIO
CONTROL**



**PRESSURE BALANCE
CONTROL**



**ELECTRONICAL
LINKAGE**

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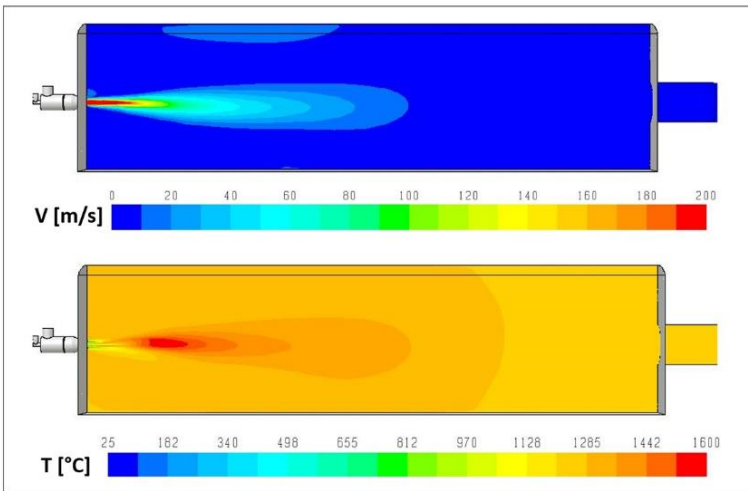
BURNER TESTING FACILITY



A.T. BURNER TEST FURNACE



H.T. BURNER TEST FURNACE



CFD ANALYSIS



COMBUSTION TRAINING

Established in 1987, YETEN Combustion provides combustion solutions for the needs of industry.

With our R&D department and burner test capabilities, we develop complete solutions for our customers Worldwide.

YETEN Combustion & Energy Technologies Ltd. Co.

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