



# KENUO PROFILE

Warm the World, Flow the Love.



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KENUO CLINET

# 01



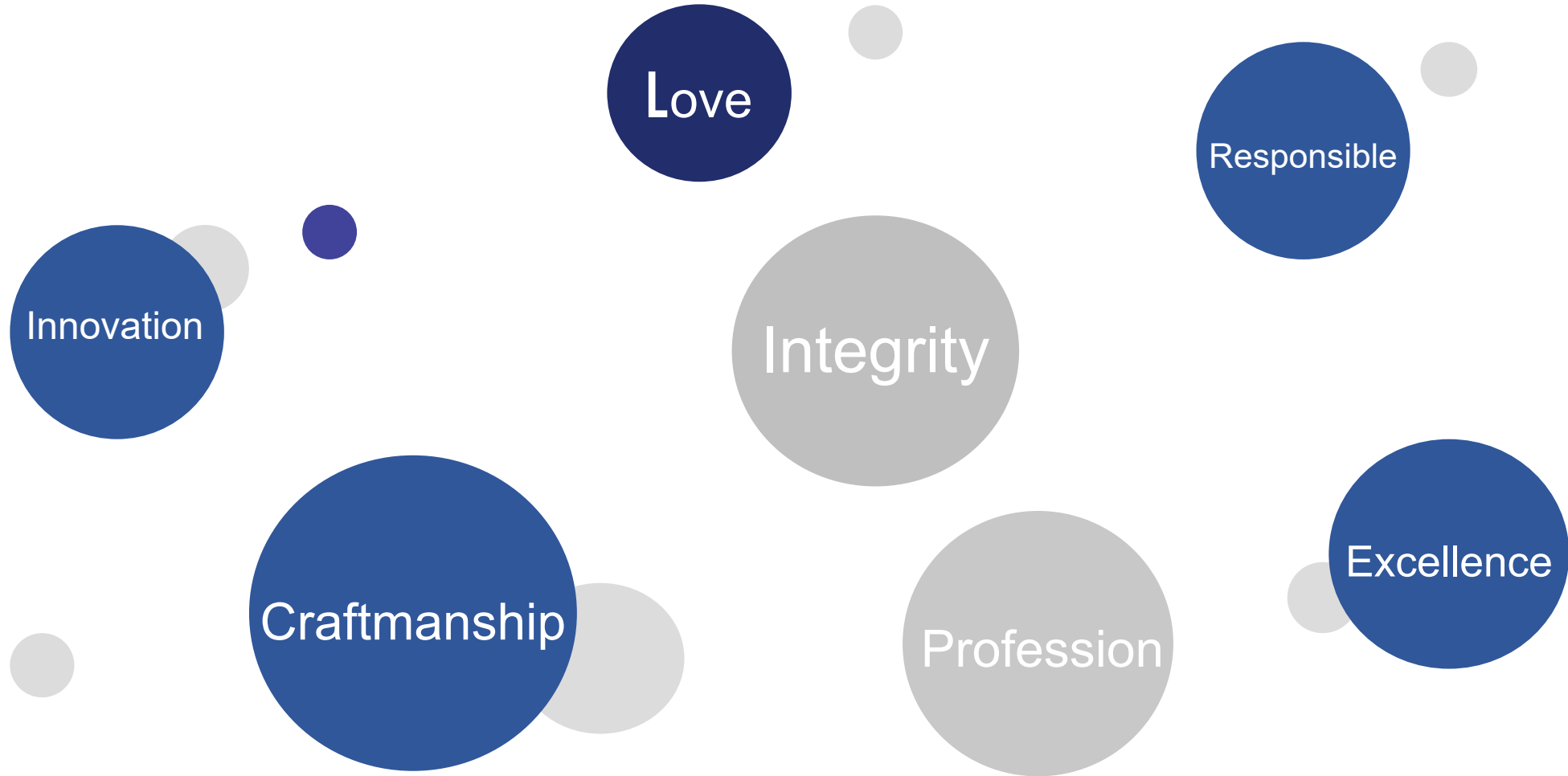
## KENUO CULTURE

## Part 1.

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**“Use Good Products to Achieve Customer’s Success, Continuously Creat Value for Customers.”**

# CORE VALUES



# KENUO'S ATTITUDE



## To Client

**Continuously Creat Value for Customers.** Provide customers with the best quality products, the most considerate services, the most perfect guarantee, creat integrity and win-win cooperation.



## To Product

**Craftsmanship Spirit.** Kenuo people constantly polishing their products, improving technology, having high requirements for every small product details, strive for perfection and enjoying the process of products become an art in their hands.



## To Employee

**True Love for Employee.** Care their lives and pay attention to their growth, provide them with career paths for learning and promotion, and create a safe, healthy and happy working enviroment.

# KENUO'S STANDARD

Build Boiler Industry 6 High Standards:

1. High Efficiency
2. High Safety
3. High Technology
4. High Reliability
5. High Integration
6. High Value



02



**KENUO COMPANY**

**Part 2.**

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**Core Business Philosophy: "Technology, Precision, Innovation, Win-Win."**

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# KENUO GROUP



Kenuo Boiler is a leading comprehensive thermal energy industrial group focus on the research and development, production, sales, and investment operation of industrial boilers. Established in 1987 initiated by the Chinese Academy of Sciences, Kenuo Boiler has over 30 years of boiler industry experience. Now Kenuo owns seven subsidiaries, including Beijing Kenuo Boiler Co., Ltd. (Level B boiler manufacturer), Jiangsu Kenuo Boiler Co., Ltd. (Level A boiler manufacturer), Jiangsu Cavallo Thermal Equipment Co., Ltd., Beijing Kenuo Thermal Power Co., Ltd., Taiyuan Kenuo Thermal Power Co., Ltd., Fujian Kenuo Thermal Power Co., Ltd., and Henan Kenuo Boiler Co., Ltd. With its profound technical expertise and industry experience, Kenuo Boiler is committed to providing high-quality and efficient thermal energy solutions, driving industry development, and achieving sustainable growth.





# MAIN BUSINESS



Boiler manufacture

01

Provide R&D, production, sales of eco-friendly boilers.

Provide professional pre-sale and after-sale service.

Provide thermal power operation for large commercial and residential heating projects.

Provide thermal integration investment for industrial engineering projects.

02

Thermal investment & operation

Thermal system integrated service

03

Make clean and efficient thermal system.

Provide high-quality thermal services

- Two production bases in Beijing (Level B) and Jiangsu (Level A).
- Integrated boiler manufacturer combines burner, boiler, and electric control.
- Focus on energy-saving boiler design and production for more than 30 years.
- Annual production scale > 5000tons .
- Strong technical research and development capabilities, product design combines beauty and functionality.
- No.1 Brand of Integrated Energy-saing Boiler
- Superior quality&service.



## Industry Status

Focus on gas and oil boiler for more than 30 years. No. 1 brand of Low Nox High Efficiency Condensing Boiler



## Superior Quality&Service

One end user customer purchased totally 48 sets Kenuo boilers for 8 different phase projects



## Most Advanced Technology

Combine combustion, heat transfer and accurate control trinity coupling technology, Highest efficiency & reliable performance

01

## Instock Boilers Area

Kenuo always has boiler instock for customer onsite check quality.



02

## Production Workshop

The whole boiler production from cutting, rolling, welding, non-destructive test, and painting are orderly proceed.



03

## NDT Room

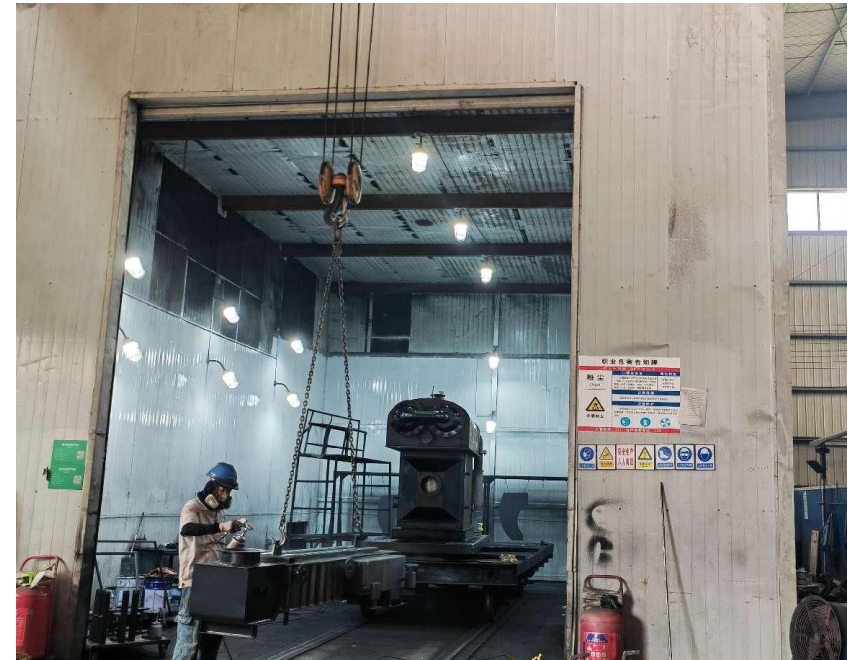
Inspection content , Visual inspection, Ultrasonic testing, Magnetic particle testing, Liquid penetrant testing, Radiographic testing)



04

## Painting Room

Adopt strict surface treatment and painting process to ensure the painting thickness and meet the anti-corrosion requirements.



01

## German CortinaDP CNC cutting machine

German MESSER brand, CortinaDP is a precise medium-sized CNC cutting machine with a working width of up to 4.2 meters and a rail length of 13 meters. The cutting speed can reach 24m/min.



02

## Italy H-335F Four-roller Plate Rolling Machine

Controlled by CN-WIN98 microcomputer system, The equipment can shape the material while rolling, and the processed workpiece has high precision and good roundness.



03

## High-Speed CNC Drilling Machine

Boiler tube plate hole, cutting and polishing



04

## Tube Sheet Automatic Welding

The welding of boiler smoke tubes and tube sheets adopts most advanced automated welding, Welding speed is fast, weld quality is good, and work efficiency is several times that of manual welding.





Radial Drilling Machine



Bending Machine



Welding Robot



Physics Laboratory



Chemical Laboratory



Ultrasonic detector



Inspection tool

# HISTORY



- Launched first generation of condensing waste heat steam boilers

- First generation of split low-nitrogen burners was developed and successfully applied in steam boilers.

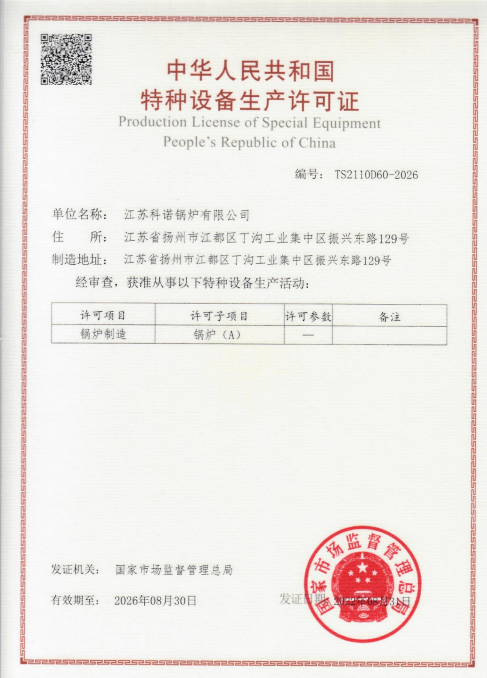
- Launched fully premixed vacuum phase change hot water boiler





# KENUO ACTIVITY





**中华人民共和国  
特种设备生产许可证**  
Production License of Special Equipment  
People's Republic of China

编号: TS2110060-2026

单位名称: 江苏科诺锅炉有限公司  
住 所: 江苏省扬州市江都区丁沟工业集中区振兴东路129号  
制造地址: 江苏省扬州市江都区丁沟工业集中区振兴东路129号

经审查, 获准从事以下特种设备生产活动:

许可项目	许可子项目	许可参数	备注
锅炉制造	锅炉 (A)	—	

发证机关: 国家市场监督管理总局  
有效期至: 2026年08月30日

江苏省市场监督管理局制

Jiangsu Kenuo Boiler  
(Level A Production License)



**中华人民共和国  
特种设备生产许可证**  
Production License of Special Equipment  
People's Republic of China

编号: TS3132275-2027

单位名称: 江苏科诺锅炉有限公司  
住 所: 扬州市江都区丁沟工业集中区振兴东路 129 号  
办公地址: 江苏省扬州市江都区丁沟工业集中区振兴东路 129 号

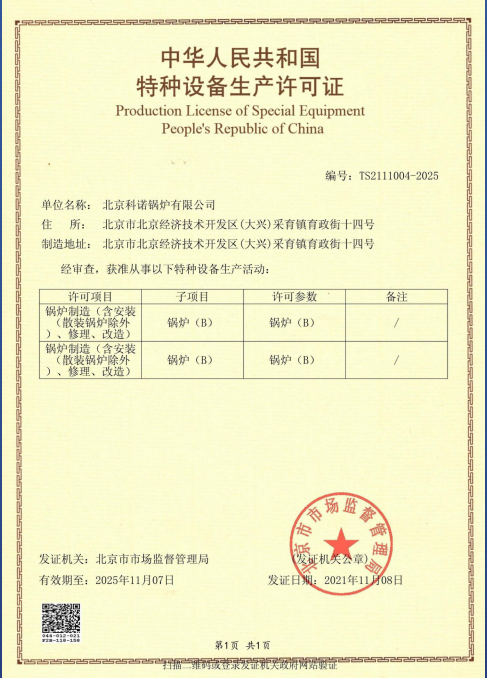
经审查, 获准从事以下特种设备的生产活动:

许可项目	许可子项目	许可参数	备注
承压类特种设备 安装、修理、改造	锅炉安装 (B) (含修理、改造)	—	无损检测外委、 理化检验外委

发证机关: 江苏省市场监督管理局  
有效期至: 2027年08月22日 发证日期: 2025年07月29日

江苏省市场监督管理局制

Jiangsu Kenuo Boiler Boiler  
Installation License



**中华人民共和国  
特种设备生产许可证**  
Production License of Special Equipment  
People's Republic of China

编号: TS211004-2025

单位名称: 北京科诺锅炉有限公司  
住 所: 北京市北京经济技术开发区(大兴)采育镇育政街十四号  
制造地址: 北京市北京经济技术开发区(大兴)采育镇育政街十四号

经审查, 获准从事以下特种设备生产活动:

许可项目	子项目	许可参数	备注
锅炉制造 (含安装 (散装锅炉除外) )、修理、改造	锅炉 (B)	锅炉 (B)	/
锅炉制造 (含安装 (散装锅炉除外) )、修理、改造	锅炉 (B)	锅炉 (B)	/

发证机关: 北京市市场监督管理局  
有效期至: 2025年11月07日 发证日期: 2021年11月08日

北京市市场监督管理局制

Beijing Kenuo Boiler  
(Level B Production License)



**中华人民共和国  
特种设备生产许可证**  
Production License of Special Equipment  
People's Republic of China

编号: TS3111270-2028

单位名称: 北京科诺锅炉有限公司  
住 所: 北京市大兴区采育经济开发区育政街十四号  
办公地址: 北京市大兴区采育经济开发区育政街十四号

经审查, 获准从事以下特种设备生产活动:

许可项目	子项目	许可参数	备注
承压类特种设备 安装、修理、改 造	锅炉安装 (含修理、 改造) (B)	/	/

发证机关: 北京市市场监督管理局  
有效期至: 2028年12月08日 发证日期: 2024年10月24日

北京市市场监督管理局制

Beijing Kenuo Boiler Boiler  
Installation License

# CERTIFICATES



ISO Certificate  
Jiangsu Kenuo Boiler



ISO Certificate  
Beijing Kenuo Boiler



ISO Certificate  
Jiangsu Kenuo Boiler



4A Level Quality Credit  
Certificates



Ultra Low Nox Circulation Condensing Boiler



Ultra Low Nox Condensing Waste Heat Boiler



Ultra Low Nox Circulation Condensing Boiler



Ultra Low Nox Circulation Condensing Boiler

# 03



## KENUO PRODUCT

## Part 3.

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Product Philosophy: "Technolgy, Innovation, Standardization, Safety."

# PRODUCT CONCEPT



Kenuo Boiler Make Energy-saving to Extreme



## Energy Saving

Kenuo boiler pioneering 4 level energy-saving design, highest efficiency in the market, makes boiler energy-saving to extreme.

## Safety

Multi-level safety protection device plus use the superior materials and strict quality control ensure boiler safe operation.

## Intelligent control

Optimized PLC automatic control, frequency conversion technology saves more power and energy.

## Precision Production

Kenuo keeps Craftmanship spirit for precision production to ensure the superior quality and win good reputation.

## 1. LNZ Series Gas Oil Condensing Steam Boiler

It adopts two-pass wet back boiler body, a built-in high efficiency fresh **air preheater** and an **external integrated economizer & condenser**. Arc-shaped double-opening furnace door, large furnace for full mixed combustion and high-efficiency threaded smoke tube heat transfer; the furnace has a unique low-nitrogen combustion technology; Equipped with ABB inverters, split low-nitrogen burners, 7/10-inch LCD touch screen and high-performance PLC controllers to realize boiler automation control; the boiler has a compact structure and a novel and beautiful appearance.

104%  
Efficiency



### Basic parameters

- 【Steam capacity range】 2t/h~25t/h
- 【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil
- 【NOx emission】  $\text{NO}_x \leq 30\text{mg/m}^3$
- 【Heat efficiency】 Design efficiency  $\geq 103\%$
- 【Application】 Suitable for various industries such as food processing, textile, pharmaceutical, papermaking, tobacco, printing and dyeing, chemical, hospital, laundry, lithium battery, etc.; it can also provide hot water for steam-water heat exchanger heating systems .

# BOILER FEATURES



## High efficiency up to 104%

Multi-level energy saving device, super large furnace, threaded tubes, economizer, condenser, air preheater

## Highly integrated design

Highly integrated boiler system design, Minimum footprint, save boiler installation time& cost.

## Lowest fuel consumption

Split-type VFD fan, accurate air volume and pressure control, fuel burnout rate 99%, save fuel cost..



## High steam quality

Unique runway oval shape reversal chamber, increased the steam space, steam dryness up to 99.8%

## Almost 0 maintenance

Unique air cooled smoke box design without refractory cement, maintenance-free,

## Super long service life

Adopt the quality boiler materials and strict quality control,ensure boiler life over 30 years.



## 2. LNR Series Gas Oil Condensing Hot Water Boiler

It's a horizontal internal combustion wet back two-pass integrated structure, with a **built-in air preheater** and an external low-resistance ring-wing condensing economizer design; it adopts a low-center symmetrical layout, a large furnace with full mixed combustion and high-efficiency threaded smoke tube heat transfer; Equipped with split low-nitrogen burner, the first low-nitrogen coupled combustion technology, fully meets the ultra-low NOx emission standards; equipped with PLC intelligent controller to realize boiler automation control; the boiler has a compact structure and a novel and beautiful appearance.

### Basic parameters

- 【Steam capacity range】 0.7MW~17.5MW
- 【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil
- 【NOx emission】  $\text{NO}_x \leq 30\text{mg/m}^3$
- 【Heat efficiency】 Design efficiency  $\geq 103\%$
- 【Application】 It is suitable for all sanitary hot water, heating (floor radiation heating, radiator heating, air conditioning heating) and industrial water heating in any place, as well as heating and sanitary hot water in high-rise buildings.

104%  
Efficiency



# BOILER FEATURES

- Economizer&Condenser Integrated

Heat efficiency up to 103%

- High Efficient Air-preheater

Hot air enhance combustion, improve boiler efficiency and reduce fuel consumption

- Overhead Fan& SS Muffer

Low noise, stable air volume

- Intelligent control cabinet

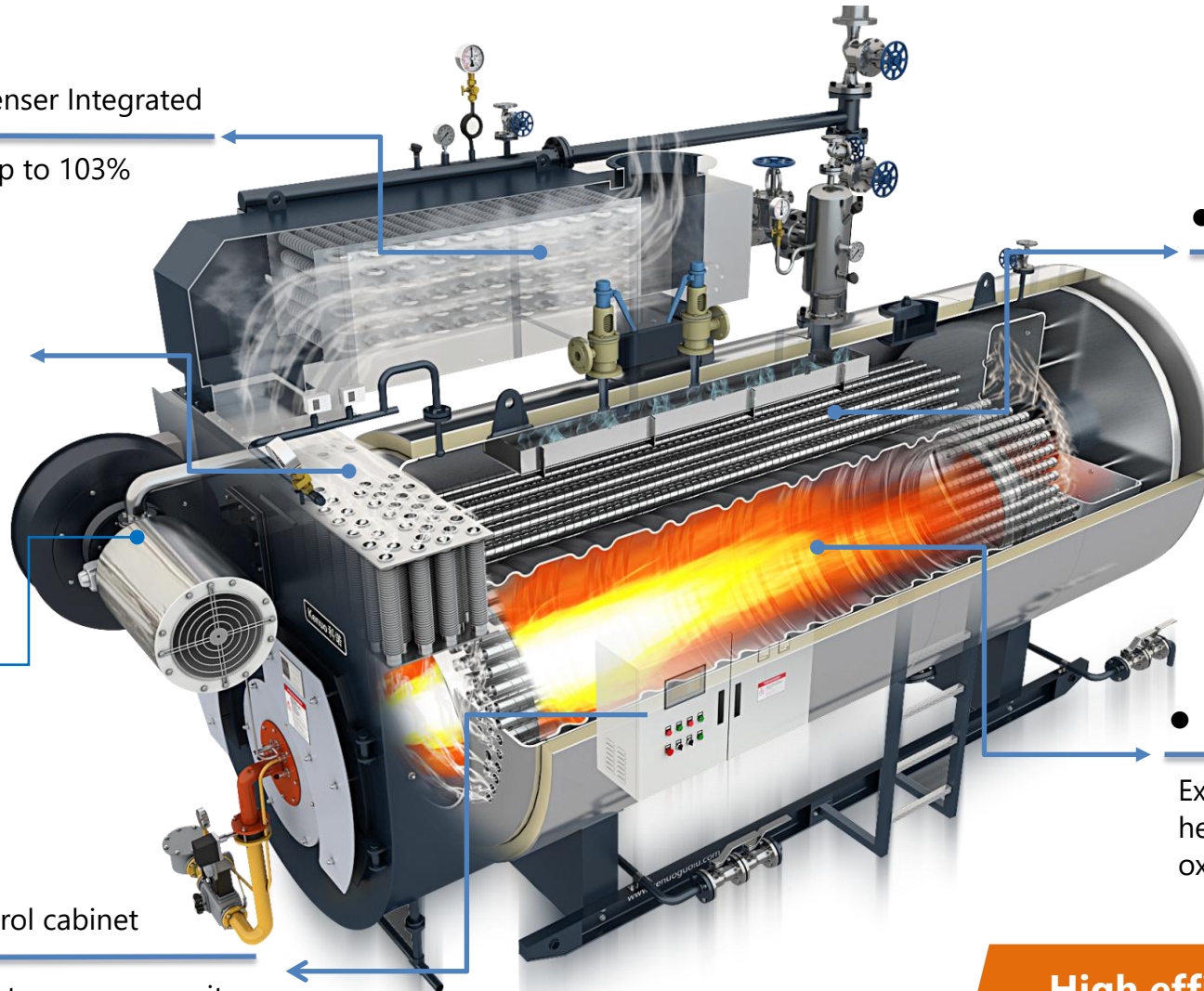
Automatic intelligent program monitors boiler operation status in real time

- High efficient thread smoke tube

Enhance boiler heat transfer and heat exchange surface, improve boiler thermal efficiency

- Super Large Furnace Design

Extended full corrugated furnace, Increase heat exchange area and reduce nitrogen oxides



**High efficiency up to 103%**

### 3. PGS Series Gas Oil Coil Consensing Steam Boiler

This condensing steam boiler is newly developed by Kenuo boiler, has the features of small water volume, safe and reliable performance. It adopted unique and **durable coil structure**, inner circulation created super low pressure difference, and smaller thermal stress shock, higher heat efficiency and longer service life. Compared with traditional once-through water tube boiler, has lower water quality requirement. Equipped with intellegent controller can realize boiler fully automatic control.

#### Basic parameters

- 【Steam capacity range】 0.5t/h~10t/h
- 【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil
- 【NOx emission】  $\text{NO}_x \leq 30\text{mg/m}^3$
- 【Heat efficiency】 Desing efficiency  $\geq 102\%$
- 【Application】 It is suitable for industrial manufacturing, medicine, food, beverage, chemical industry, chemical fiber, electronics, lithium battery, coating, papermaking, etc. It can also be used in hospitals, hotel disinfection, air conditioning humidification, hotel catering and other civil fields



# BOILER FEATURES



Safe&reliable  
Intelligent operation

01

Fast steam generation  
in 2-3 minutes

02

Smallest footprint  
supply heat on demand

03

Deep condensation high efficiency  
up to 102%, lowest fuel cost

04

High steam dryness  
> 98%

06

Ultra-low nitrogen  
emission < 30mg/m<sup>3</sup>

05

## 5. WDR Series Industrial Electric Steam Boiler

### Features:

- ✓ High degree of automation and easy operation.
- ✓ Highly integrated, simplest installation.
- ✓ Highly safety control with alarm and interlock.
- ✓ Thermal efficiency 99%
- ✓ Eco-friendly. No pollution, no noise, clean boiler.

### Basic parameters

【Steam capacity】 0.2-10ton/hour, 30-600BHP

【Fuel applicable】 Electric powered

【NOx emission】 0

【Heat efficiency】 Efficiency  $\geq 99\%$

【Application】 Suitable for various industries such as food processing, textile, pharmaceutical, papermaking, tobacco, printing and dyeing, chemical, hospital, laundry, any industry require clean and electric steam.

99%  
Efficiency



## 6. YYQW Series Gas Oil Thermal Oil Heater Boiler

This boiler adopts 3 coils wetback structure, The main boiler body is composed of an outer coil, a middle coil and an inner coil, between coils is flue gas. Compared with 2 pass dry back structure, this structure has larger heat area and more durable, has longer service life. Compared with steam boiler, It can reach a high operating temperature at low pressure and can do high-precision control on the heat medium.

### Basic parameters

【Thermal power range】 30-1500x 10<sup>4</sup> Kcal/hr, 350KW-14MW/hr

【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil, Dual fuel

【NOx emission】 NO<sub>x</sub> ≤ 30mg/m<sup>3</sup>

【Heat efficiency】 Design efficiency ≥ 96%

【Application】 Widely used for textile and dyeing factory, oil refinery plant, plywood factory, chemical factory rubber plant, any production process require high temperature over 200 degree C.



## 7. NBR Stainless Steel Condensing Hot Water Boiler

Kenuo Cavallo ultra-low nitrogen stainless steel fully condensing boiler is a newly upgraded high-efficiency boiler. Adopts 316L stainless steel, efficient fire tube structure and large water volume design, with thermal efficiency up to 109%; equipped with Cavallo variable frequency fully premixed ultra-low nitrogen burner, NO<sub>x</sub> emissions can be as low as  $\leq 25\text{mg}/\text{m}^3$ , far below the international emission standards; extremely low flue gas heat loss, exhaust temperature can be as low as  $\leq 35^\circ\text{C}$ . The boiler has an ultra-long service life of 30 years, occupies a small area.

### Basic parameters

- 【Steam capacity range】 360KW~3000KW
- 【Fuel applicable】 Natural gas, LPG, Diesel, Heavy oil, Dual fuel
- 【NO<sub>x</sub> emission】 NO<sub>x</sub> $\leq 30\text{mg}/\text{m}^3$
- 【Heat efficiency】 Desing efficiency $\geq 109\%$
- 【Application】 It is used for heating and sanitary hot water in any place and high-rise buildings for heating and sanitary hot water, including all sanitary hot water, heating (floor radiation heating, radiator heating, air conditioning heating) and industrial water heating.



109%  
Efficiency

# BOILER FEATURES



**SIEMENS** Touch screen controller



**CAVALLO** 卡瓦诺 Full premix burner



**CAVALLO** 卡瓦诺 Stainless steel heat exchanger



**AMETEK ebmpapst** Frequency conversion fan



**SIEMENS** Burner valve group





## 8. NZR Cast Aluminum Fully Condensing Hot Water Boiler

NZR series boiler is the latest hot water boiler developed by Kenuo company. It adopts advanced fully condensing premixing technology, and the nitrogen oxide emission is less than 30mg/m<sup>3</sup>. It has a built-in DEJATECH heat exchanger with a heat exchange efficiency of up to 109%. The material is high temperature resistance, corrosion resistance makes the boiler super long service life over 30 years. Equipped with SIEMENS control system and combustion control system, the boiler runs efficiently, stably, safely and conveniently. The appearance design is compact, the floor space is saved.

### Basic parameters

- 【Steam capacity range】 0.35~4.2MW/H
- 【Fuel applicable】 Natural gas
- 【NOx emission】 NO<sub>x</sub>≤30mg/m<sup>3</sup>
- 【Heat efficiency】 Desing efficiency≥109%
- 【Application】 It is used for heating and sanitary hot water in any place and high-rise buildings for heating and sanitary hot water, including all sanitary hot water, heating (floor radiation heating, radiator heating, air conditioning heating) and industrial water heating.

109%  
Efficiency



# 04



## KENUO SERVICE

## Part 4.

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“True Love every customer, Fast Response , Professional technical support, Efficient problem solving.”

# PRE-SALE SERVICE

01

## System Design

Design the optimal boiler system solution according to customer's heat demand to ensure excellent performance.

02

## Boiler Selection

Provide professional advice to choose the most suitable boiler type based on production requirement.

03

## Drawings

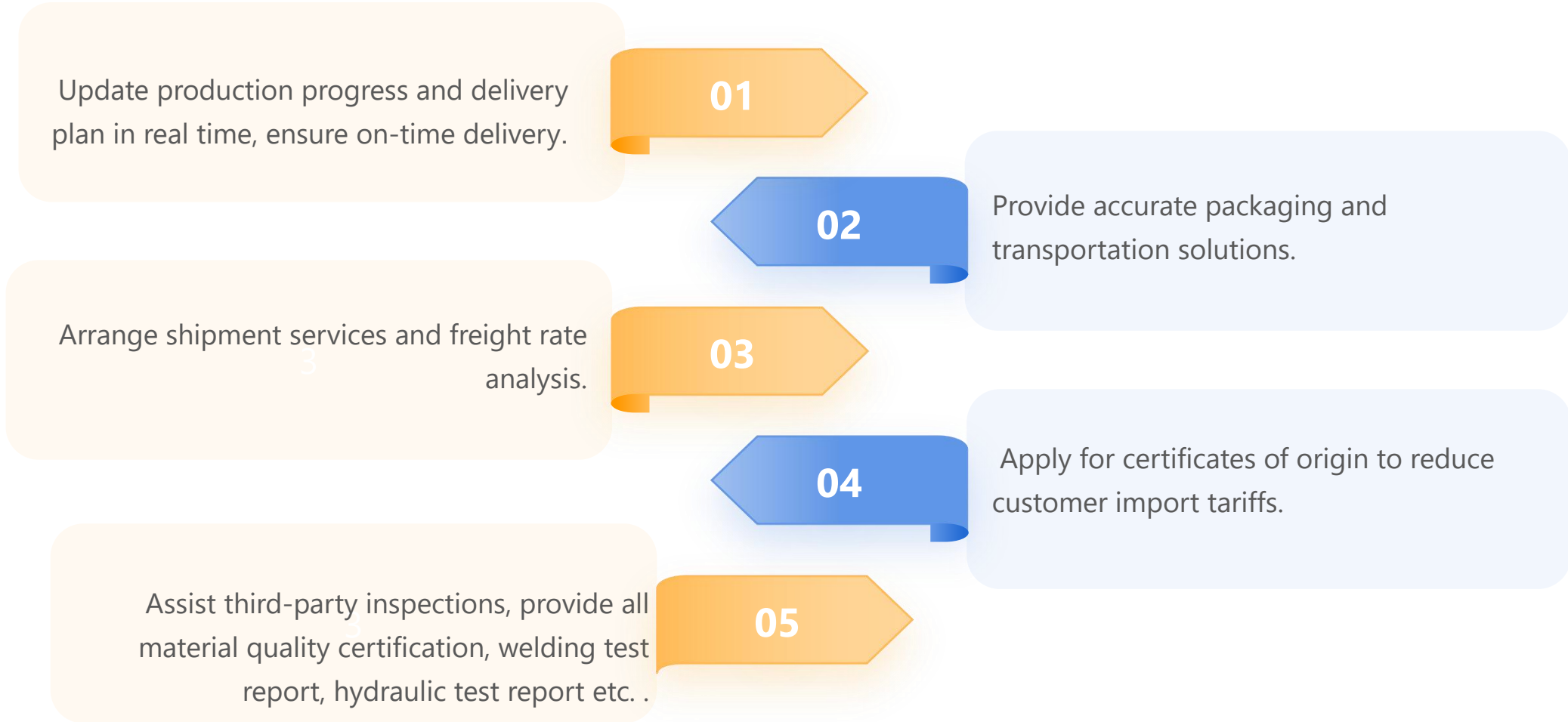
Provide all boiler drawings, process drawing, also design boiler room layout according to customer site.

04

## Customization

Contact customers for innovative needs and carry out customized design and development with customers"

# IN-SALE SERVICE

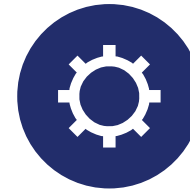


# AFTER-SALE SERVICE



## Documents

Provide installation guidance documents include installation manual, related pipeline drawings, electric control drawings, video guide, etc.



## Engineer Onsite Service

If the customer need, engineers can be sent to the site for installation guidance, commissioning, and operation training services.



## Client Review

Conduct after-sales return visits once a quarter, listen to customers' voices and continuously improve our service to exceed customer expectations.



## Local After-sale service

Set up local after-sales service outlets and store commonly use spare parts to provide convenient maintenance.

# KENUO CLIENTS





# KENUO BOILER

-----Your Trustworthy Boiler Supplier





# THANKS

**HENAN KENUO BOILER CO., LTD**

Add: Zhengshang International Plaza, Zhengzhou city, Henan Province

**JIANGSU KENUO BOILER CO.,LTD (CLASS A MANUFACTURER )**

Add: Yangzhou Airport Economic and Industrial Park, Jiangsu Province

Email: [aileen@kenuo-boiler.com](mailto:aileen@kenuo-boiler.com) Cell/Whatsapp: +8613629841362

Website: [www.kenuo-boiler.com](http://www.kenuo-boiler.com)