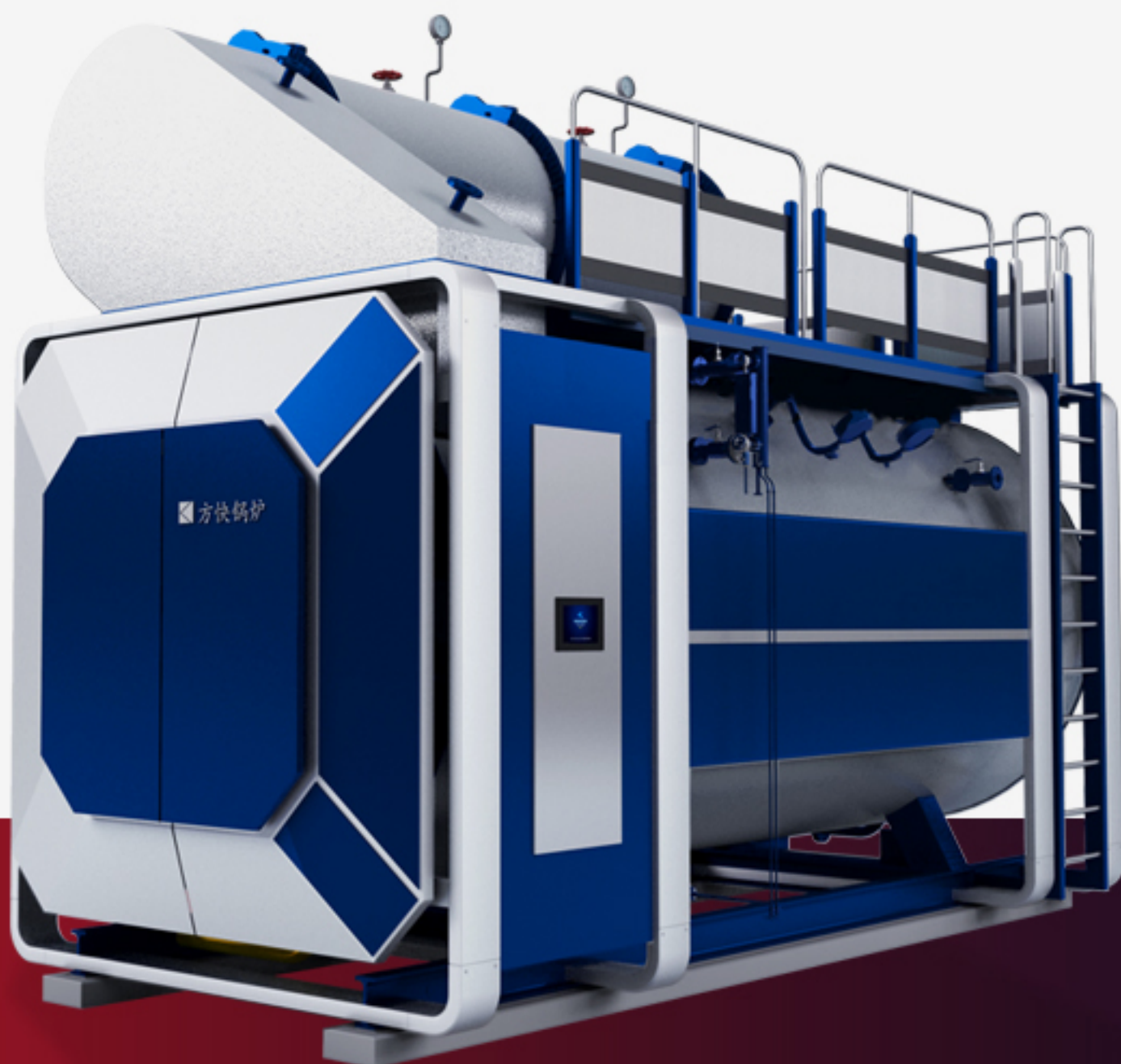


## WNS Orion-05 Steam Boiler

Product Details [PDF](#)





120,000m<sup>2</sup>  
Production Base



6,000m<sup>2</sup>  
R&D Center



20,000 Tons  
Annual Capacity



60,000  
Total User Number

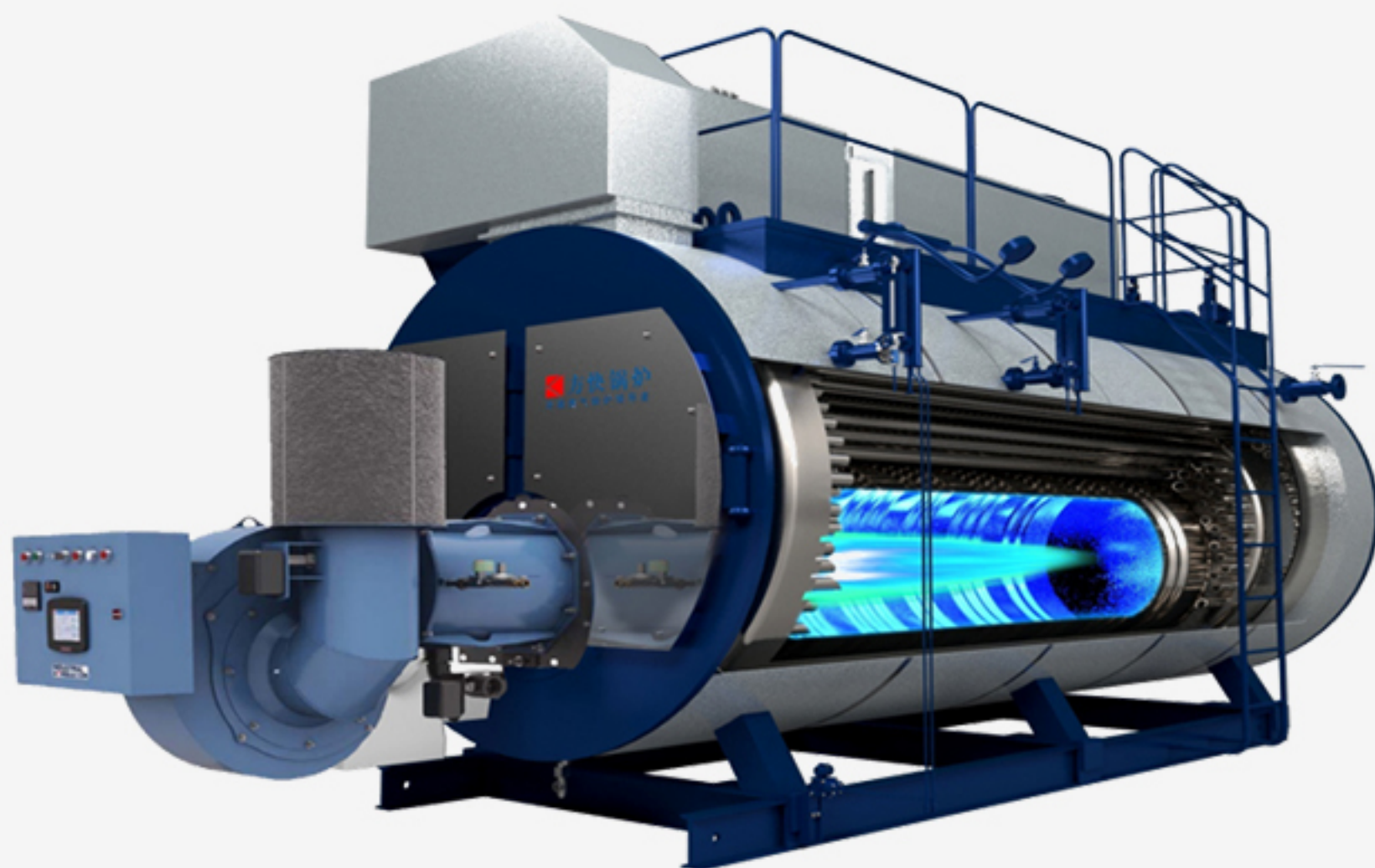
## Company Profile

Fangkuai Boiler Co., Ltd. was established on 8th Jan. 1998. With the registered capital of over 100 million, Fangkuai Boiler group has grown into a high and new tech enterprise, integrating researching & developing, manufacturing and marketing of clean fuel boiler and clean combustion technology.

Fangkuai is a Licensed Lever A boiler manufacture and Level D1/D2 Pressure Vessel manufacture company, with the certificates of ISO9001 Quality Control System and International Certification Network (IQNET). With a 120,000 square meter production base, we become one of the few boiler manufacturers who have digital production capacity in China.

We also possess an national level boiler laboratory which can simulate all kinds of working conditions. Fangkuai Boiler Co., Ltd. was established on 8th Jan. 1998. With the registered capital of over 100 million, Fangkuai Boiler group has grown into a high and new tech enterprise, integrating researching & developing, manufacturing and marketing of clean fuel boiler and clean combustion technology.





## Product Introduction

Rated thermal power: 0.7-2.8MW

Rated thermal efficiency: 96.1-106%

Applicable fuel: Natural gas, city gas, diesel, heavy oil, etc.

Applications: Villas and apartments, hotels, hotels, etc.

The boiler achieves deep coupling of combustion and heat transferring. The boiler becomes a complete thermal energy system while achieving low nitrogen emissions. The efficiency is further improved.

Features:

Ultra high thermal efficiency、 Ultra low nitrogen oxides、 Small overall footprint、 quick response



>100%  
Thermal efficiency



$\leq 80\text{mg/m}^3$   
Ultra low emission



20 years  
Long life



5 heavyWater  
level protection



Good sealing  
Very low heat loss



PLC Intelligent  
control system



up to date Heat  
exchange element



Cloud Service 3.0  
Online Monitoring

## Product Features

### High thermal efficiency

The new Ultraten heat exchange element, the wing tube, has a faster heat exchange rate, a thermal efficiency of 104%, and a smoke exhaust temperature as low as 40 °C.

### Intelligent control

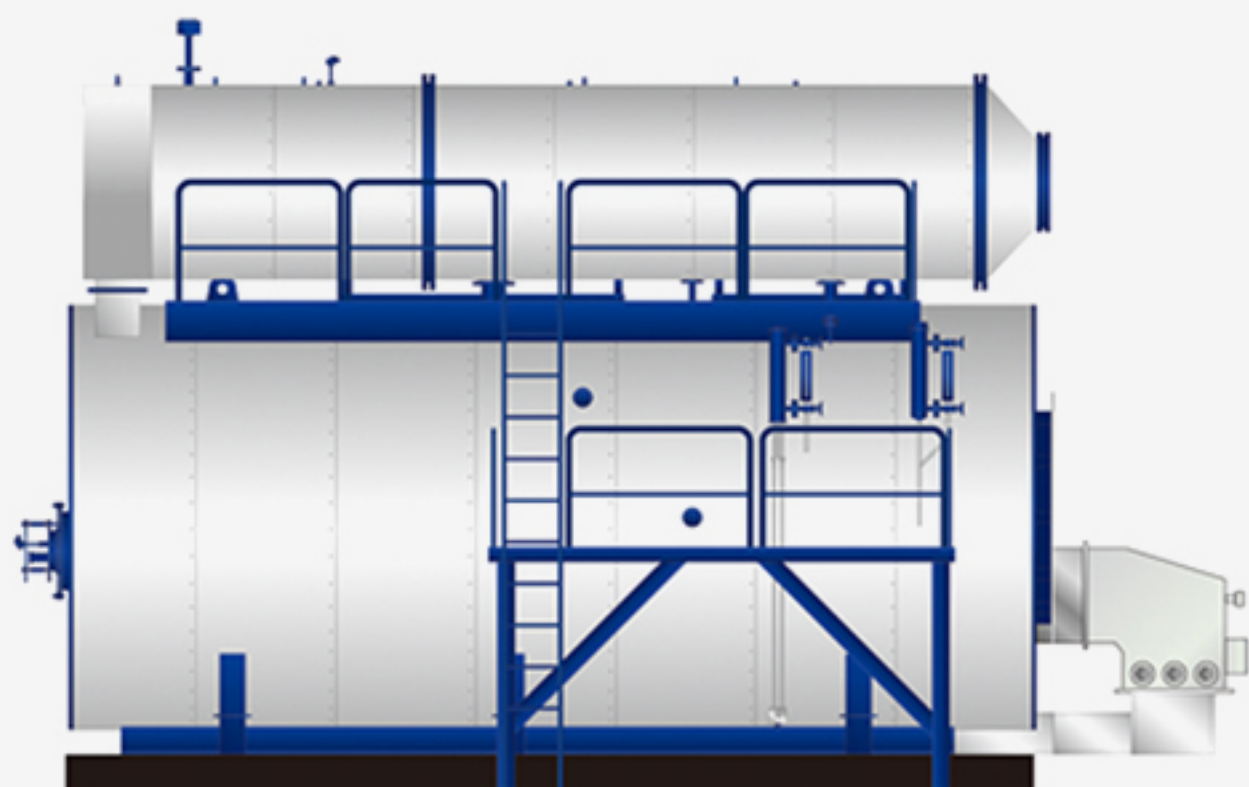
Fangkuai's unique intelligent control system realizes boiler automation operation and regulation.

### Ultra low nitrogen emissions

The use of coupling technology has achieved ultra-low CO and NOx emissions and is more environmentally friendly.



## Boiler Planar View



▲ Boiler Lateral View



▲ Boiler Front View

# Specifications

| Model    | Rated<br>evaporation | Boiler max size |       |        | Steam outlet<br>caliber | Sewage outlet | Inlet caliber | Chimney diameter | Weight |
|----------|----------------------|-----------------|-------|--------|-------------------------|---------------|---------------|------------------|--------|
|          |                      | length          | width | height |                         |               |               |                  |        |
| Unit     | t/h                  | mm              | mm    | mm     | mm                      | mm            | mm            | mm               | t      |
| Ø5-2800  | 4                    | 5000            | 2500  | 4200   | 100                     | 50            | 50            | 700              | 13     |
| Ø5-4200  | 6                    | 5700            | 2500  | 4400   | 125                     | 50            | 50            | 900              | 18     |
| Ø5-7000  | 10                   | 7100            | 4700  | 5000   | 150                     | 50            | 50            | 700              | 28     |
| Ø5-10500 | 15                   | 7300            | 5400  | 5500   | 200                     | 50            | 50            | 900              | 39     |
| Ø5-14000 | 20                   | 7600            | 5800  | 6000   | 200                     | 50            | 65            | 900              | 56     |

★ Remarks: Due to continuous improvement of technology, please contact FangKuai Boiler Co., Ltd. headquarters for detailed parameters.



## Boiler part case



Yurun Food Co., Ltd.



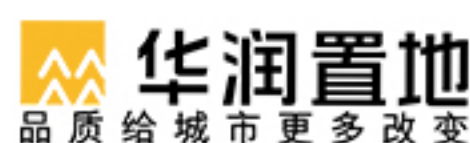
Nonferrous Metals Co., Ltd.



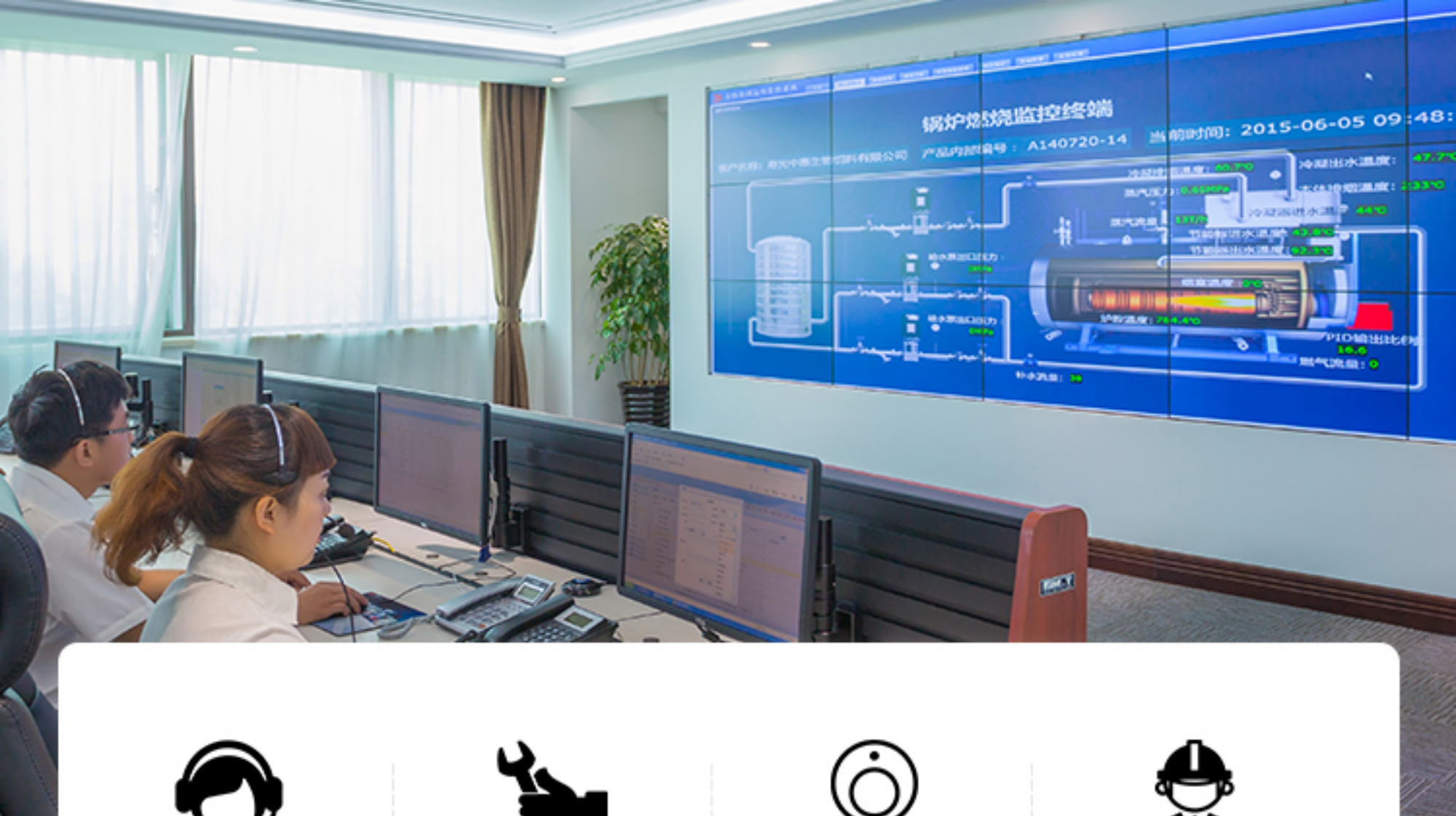
Xufei Technology Co., Ltd.



Quanxing Wine Industry Co., Ltd.







24 hr Online



Abroad engineer  
standby



Real-time  
Monitoring



Engineer 1 to 1

## Service Philosophy

**Our Service Philosophy: Think as a customer !**

### Fast Response

Telephone or Online service, we will be your side, any time.

### Cloud Service 3.0

Intelligent online service, automatic diagnosis, troubleshoot boiler failure.

### After-sell Service

Professional installation and maintenance engineers for international customers.





Tel: 0086-371-60922096

E-mail: [info@boilermanufacture.com](mailto:info@boilermanufacture.com)

Location: New&High-Tech Zone, Zhengzhou, Henan