



脱硝催化剂

DeNOx Catalyst

Production.Recycling.Regeneration

Anhui Yuanchen Environmental Protection Science&Technology CO.,Ltd

安徽元琛环保科技股份有限公司

www.shychb.com



ENTERPRISE PROFILE

Founded in 2005, the company's registered capital of 18 million USD has become a leading company in the air pollution control industry through continuous innovation for more than ten years. The business scope covers filter materials, denitration catalyst production and sales, dust and denitrification system design, technical consultation, hazardous waste recovery, activated carbon regeneration and CMA third-party performance testing. In the power, steel, cement, chemical, waste incineration, biomass and other industries to provide customers with satisfactory flue gas purification system solutions, won the praise and trust of customers. It has accumulated rich experience in the fields of dust removal and denitration, recycling of waste denitration catalysts and so on. Yuanxiao Technology is a company that can produce both dedusting filter materials and denitration catalysts, as well as recycling and recycling of used catalysts.

In response to the National One Belt and One Road strategy, Yuanchen Technology successfully developed overseas markets such as Brazil, Vietnam, Turkey, India, and Russia, and demonstrated the strength of Yuanxiao to the countries along the Belt and Road.



Means not forgetting initial heart



Means precious and excellent,



Core values

Quality is king, efficiency is paramount, talent priority, technological innovation

Mission

Contribute to the entire environment and human health

Culture

Sincere Yuanchen, forge ahead and Encourage innovation

Vision

Based on the global environmental protection field, the company hope to establish a global professional brand of "Yuanchen Environmental Protection" and become a global innovator, promoter, integrator and leader in the field of flue gas purification.

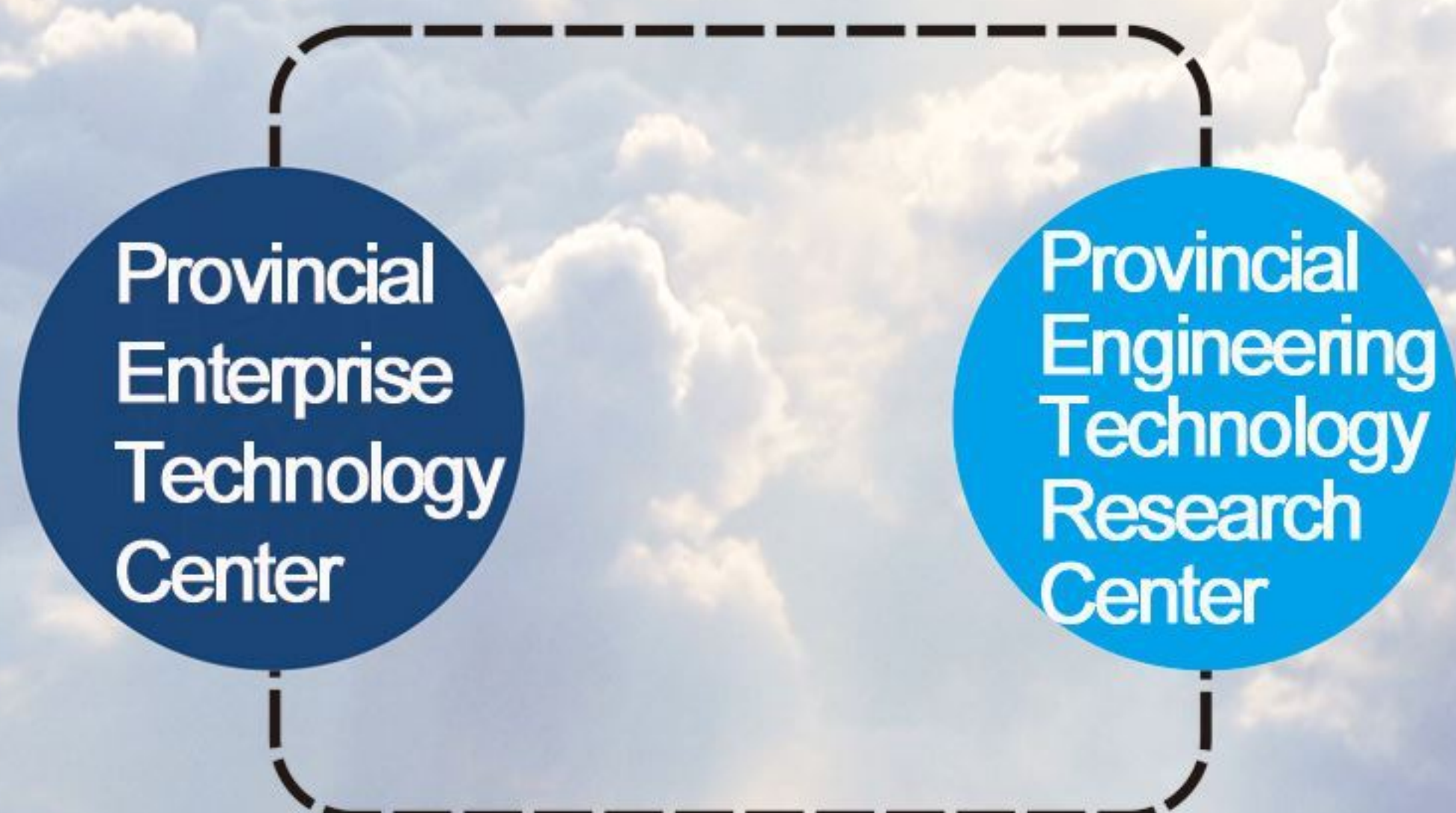


CMA+National R&D Center

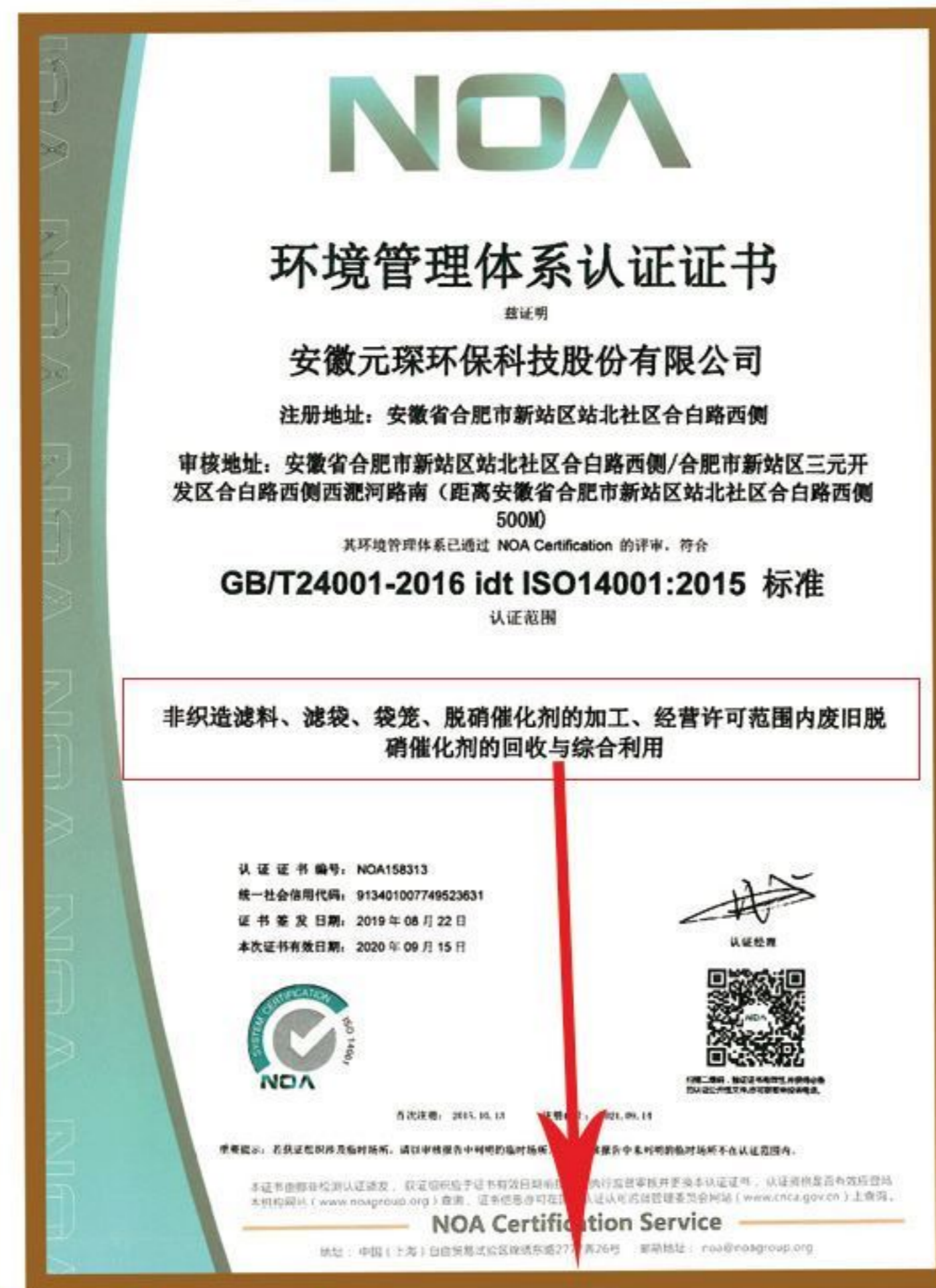
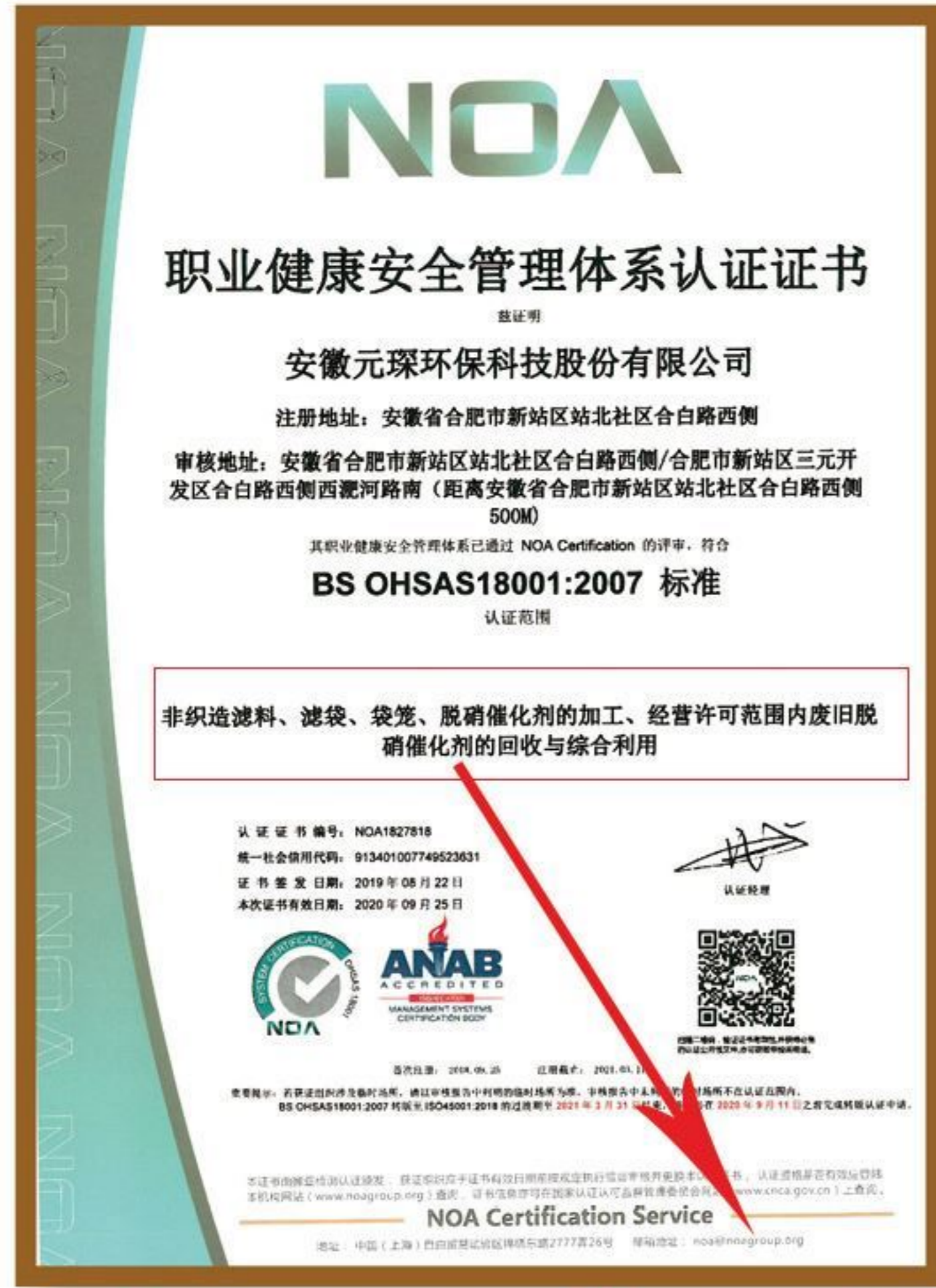


CMA Testing Co., Ltd.

- ▶ Flue gas
- ▶ Filter material
- ▶ Catalyst
- ▶ Dioxin project



ENTERPRISE QUALIFICATION



Non-woven filter material, filter bag, bag cage, processing of denitration catalyst, recovery and comprehensive utilization of waste denitration catalyst within the scope of experience



Work Safety Standardization Certificate



Construction enterprise qualification certificate



Safety production license



A-level tax credit company

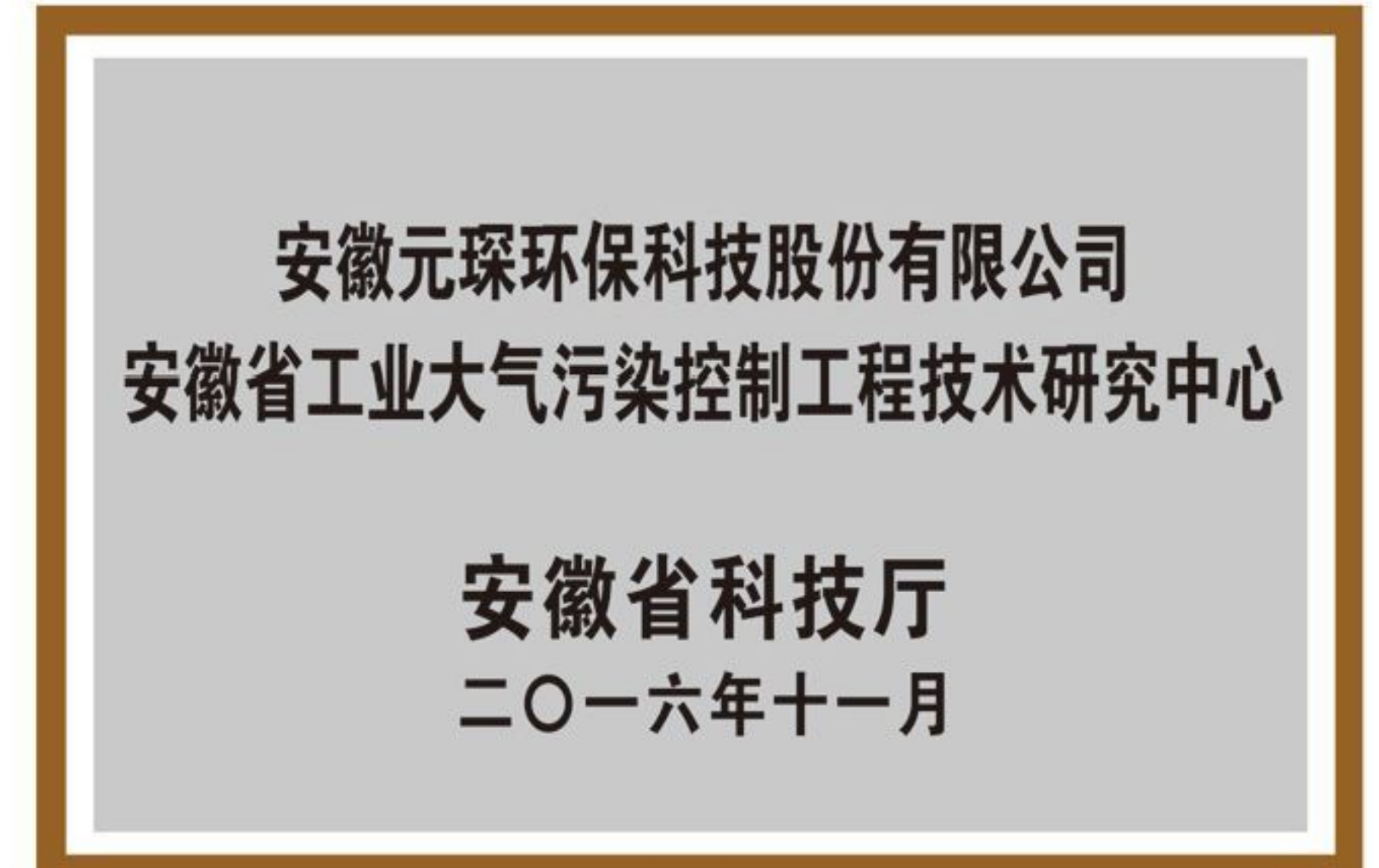
ENTERPRISE HONOR



Provincial Certification Enterprise Technology Center Certificate



High-tech Enterprise Certificate



Anhui Industrial Air Pollution Control Engineering Technology Research Center



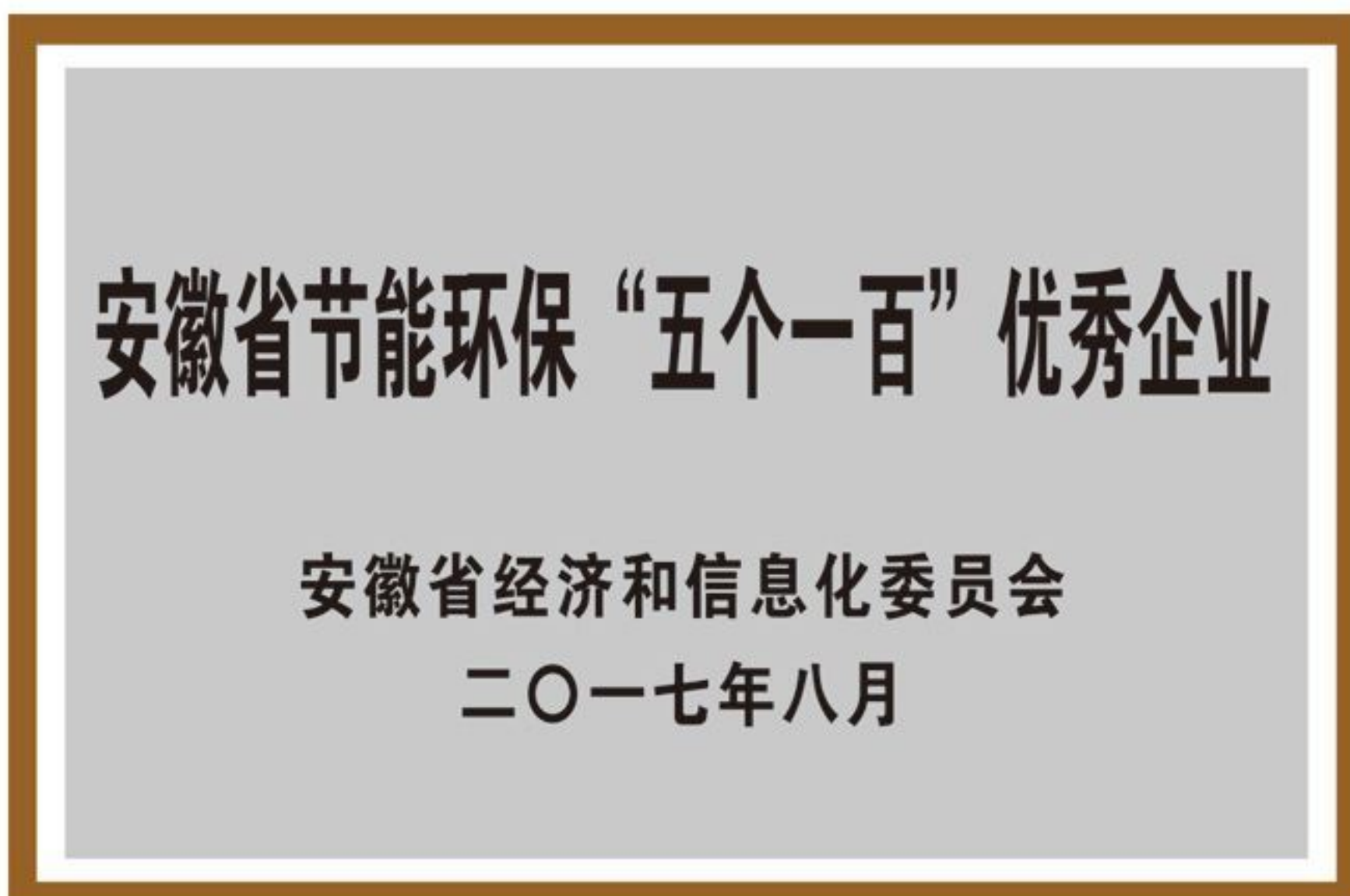
Anhui Quality Award



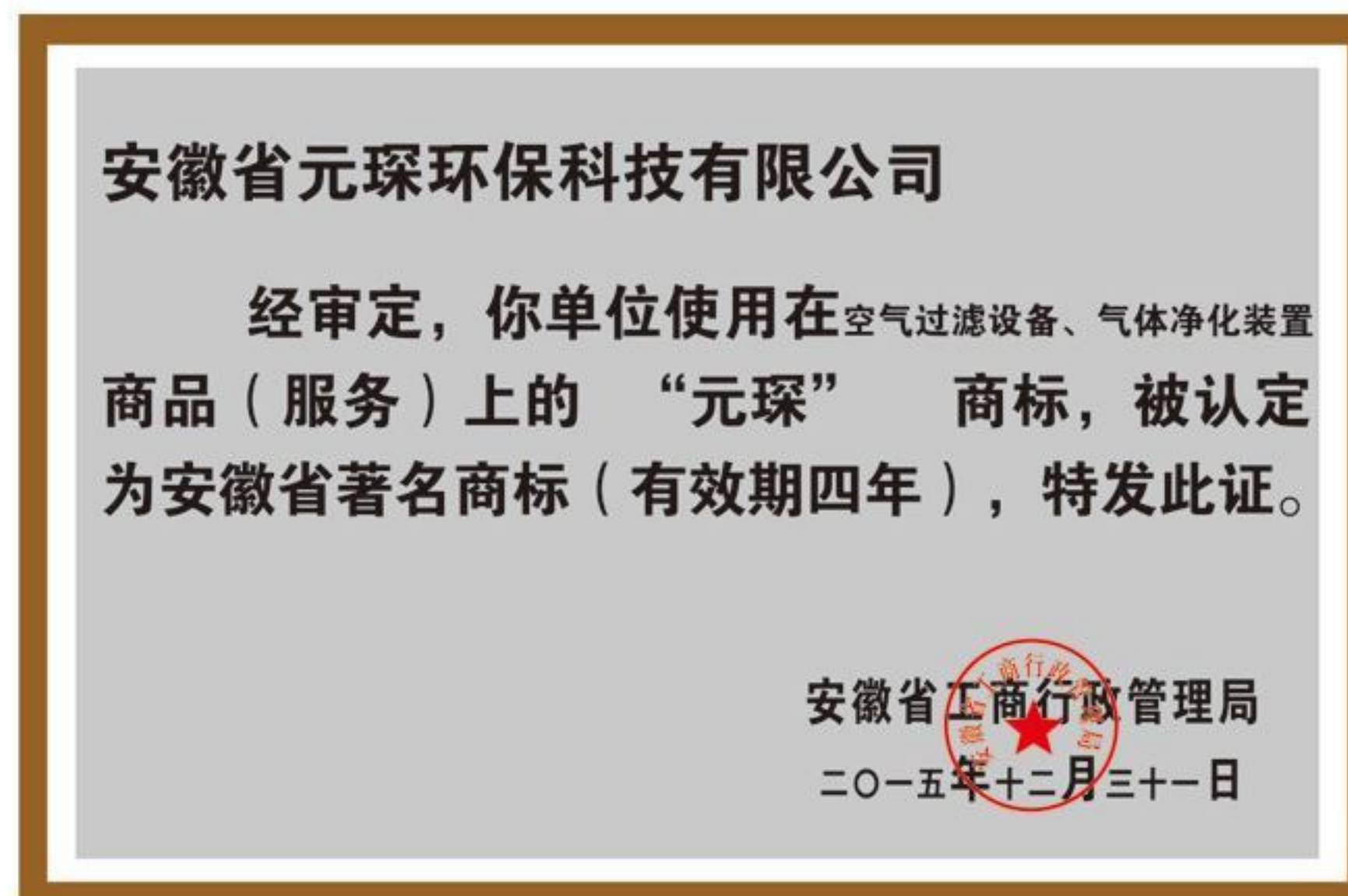
Postdoctoral research station



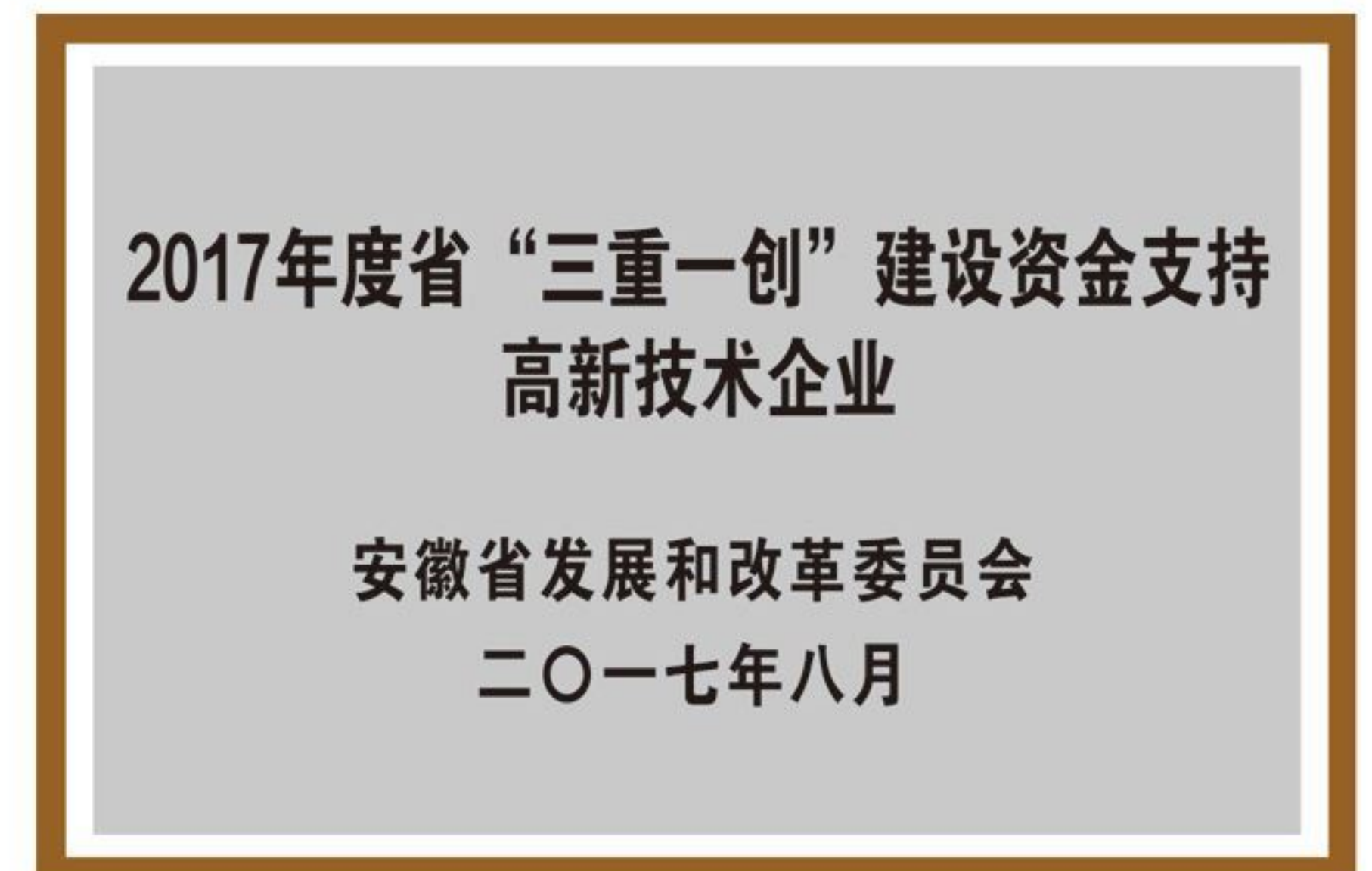
Anhui Province's innovative pilot enterprises



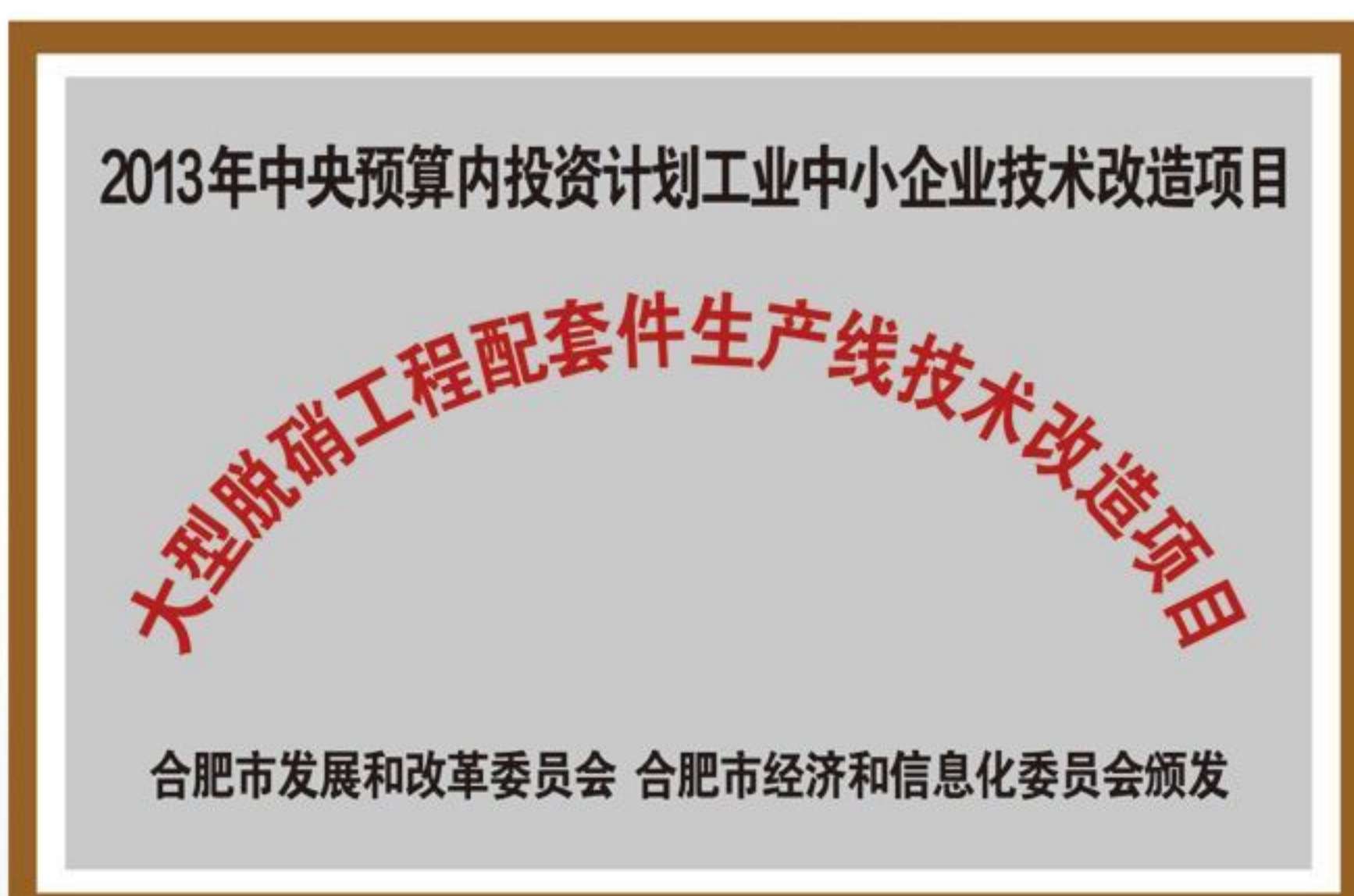
Anhui's energy conservation and environmental protection "five hundred" outstanding enterprises



Famous trademark of Anhui Province



Construction funds support high-tech enterprises



Large-scale denitrification engineering parts production line technical transformation project



Annual production of 10000m³ SCR denitration catalyst project



Coal-fired power plant SCR denitration catalyst production project

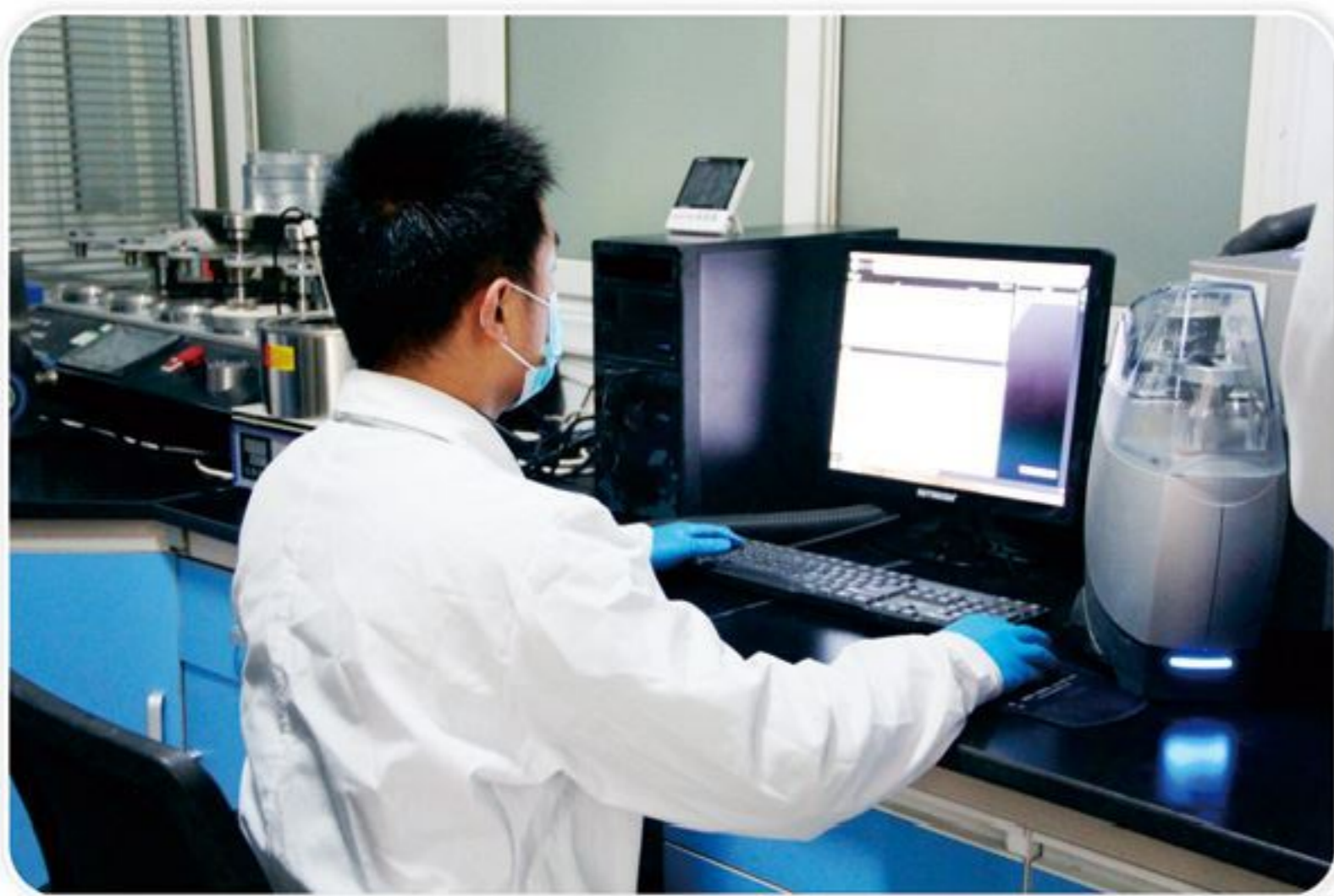
National CNAS Laboratory

CNAS 国家认可

CNAS NATIONAL ACCREDITATION LABORATORY

Yuanchen Technology has a series of internationally advanced technologies and products with independent intellectual property rights. The company's new products and new technologies are increasing every year. At present, there are 4 international PCT application patents, 20 invention patents, 15 provincial new products, and 1 international achievement appraisal.

Yuanchen has obtained the national CNAS certification. The Yuanxiao Testing Center is equipped with a professional R&D testing team with a master's degree or above. It has world-class testing instruments and can produce authoritative testing reports to test and evaluate the catalyst throughout its life cycle. And provide customers with reliable flue gas purification solutions



R&D Center



Netherlands
Phenom G2 Scanning
electron microscope



United States
Nikola IS10 infrared
spectrum tester



United States
Agilent LC



Germany
Synchronous Thermal
Analyzer STA 449 F5 Jupiter



Universal testing machine



United Kingdom
Malvern 3000 Laser
Particle Size Tester



Netherlands
X-ray fluorescence
spectrometer



Germany
Flue gas analyzer Testo 350

Industrial Air Pollution Control Research Center

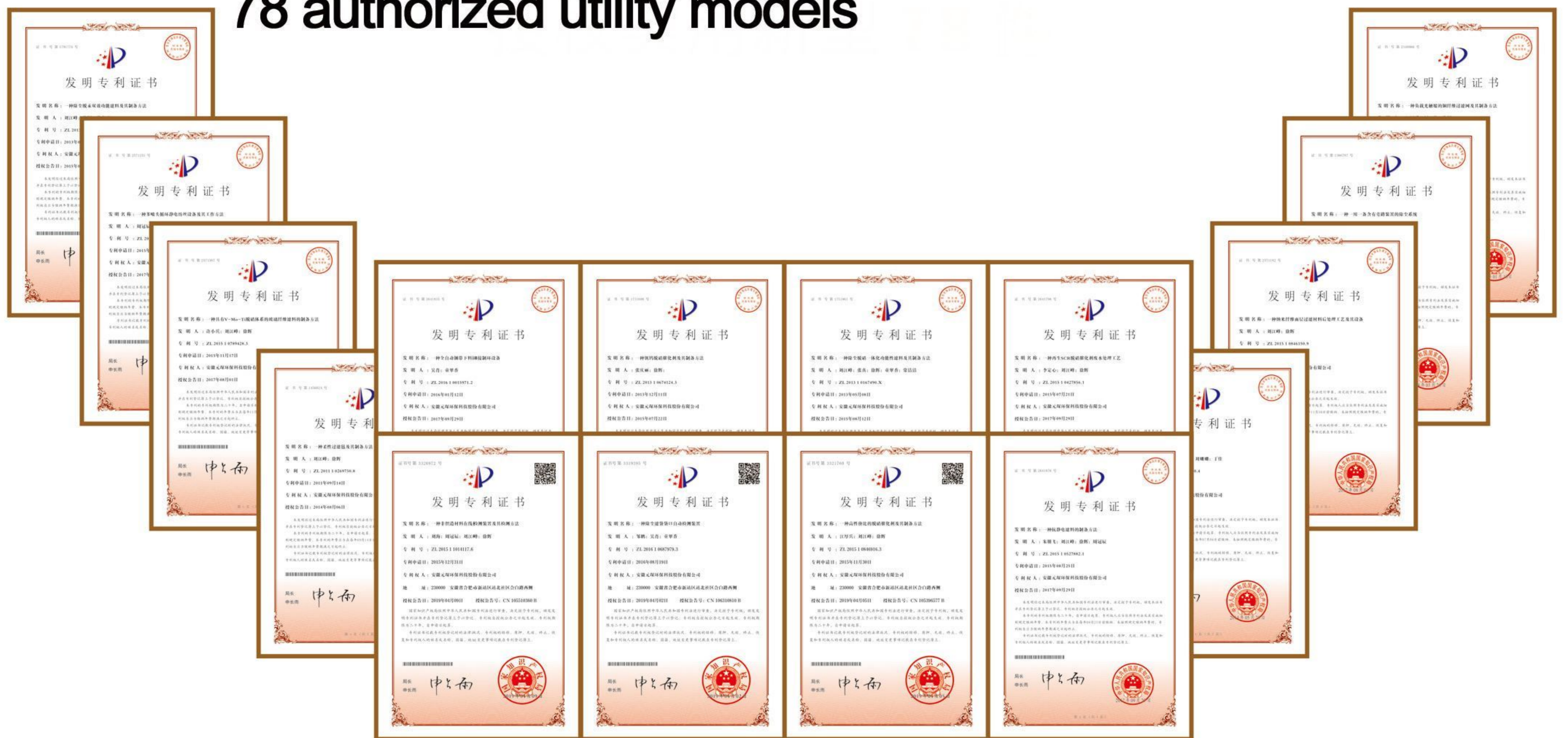
No	Equipment instrument	Detection Content
1	NetherlandsPhenom G2 Scanning electron microscope	Microscopic morphology of catalyst, waste catalyst surface, cross section, etc.
2	United States Nikola IS10 infrared spectrum tester	Catalyst composition analysis
3	United States Agilent LC	Quantitative qualitative analysis of liquid
4	GermanySynchronous Thermal Analyzer STA 449 F5 Jupiter	Catalyst principle analysis and property change analysis
5	Universal testing machine	Catalyst mechanical strength
6	United KingdomMalvern 3000 Laser Particle Size Tester	Product size and distribution
7	Netherlands X-ray fluorescence spectrometer	Analysis of particle size and distribution of catalyst raw materials, power plant dust, etc.
8	Germany Flue gas analyzer Testo 350	Unit activity, denitration efficiency, SO ₂ /SO ₃ conversion and pressure detection
9	Solid bed evaluation device	Denitration efficiency detection and temperature influence

CERTIFICATE OF PATENT FOR INVENTION

4 international PCT patents, 27 authorized invention patents

108 cases accepted domestic invention patents

78 authorized utility models



CATALYST Production Process

Yuanchen Technology introduced Japan's advanced XCR denitration catalyst production technology, and carried out independent research and development and formulation optimization and upgrade for China's coal quality characteristics and flue gas working conditions, and produced medium and low temperature catalysts suitable for different domestic working conditions. Through the CNAS testing center for the catalyst composition, compressive strength, specific surface and pore size analysis and activity detection tracking analysis and detection, the introduction of high activity, high wear resistance, high specific surface area of the front-end catalyst performance enhancement technology.



Screw conveyor



Mixer



Mould Extruder



Mesh-belt Type Sintering Kiln



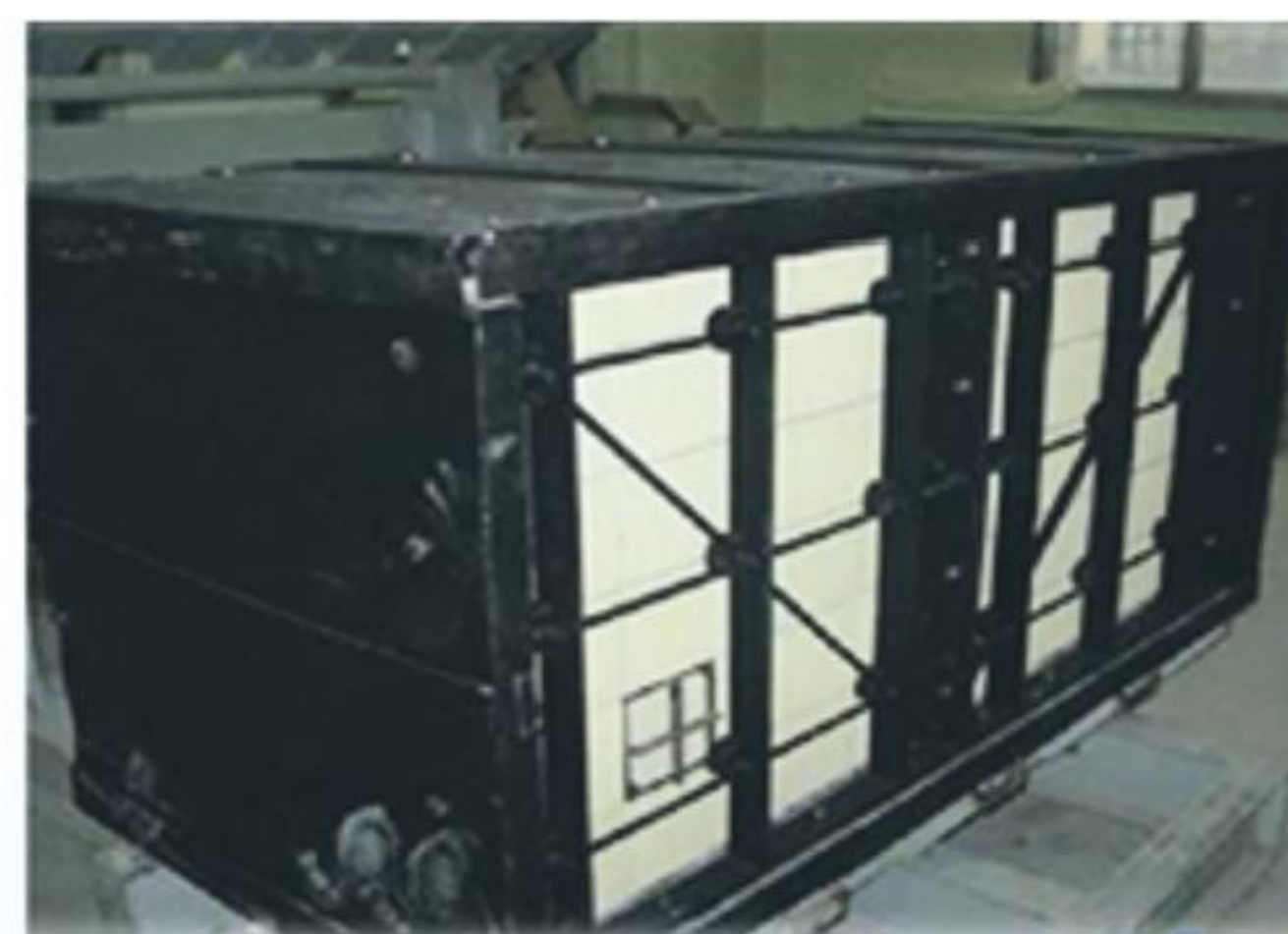
Drying Oven Section One



Robotics



Auto-cutting



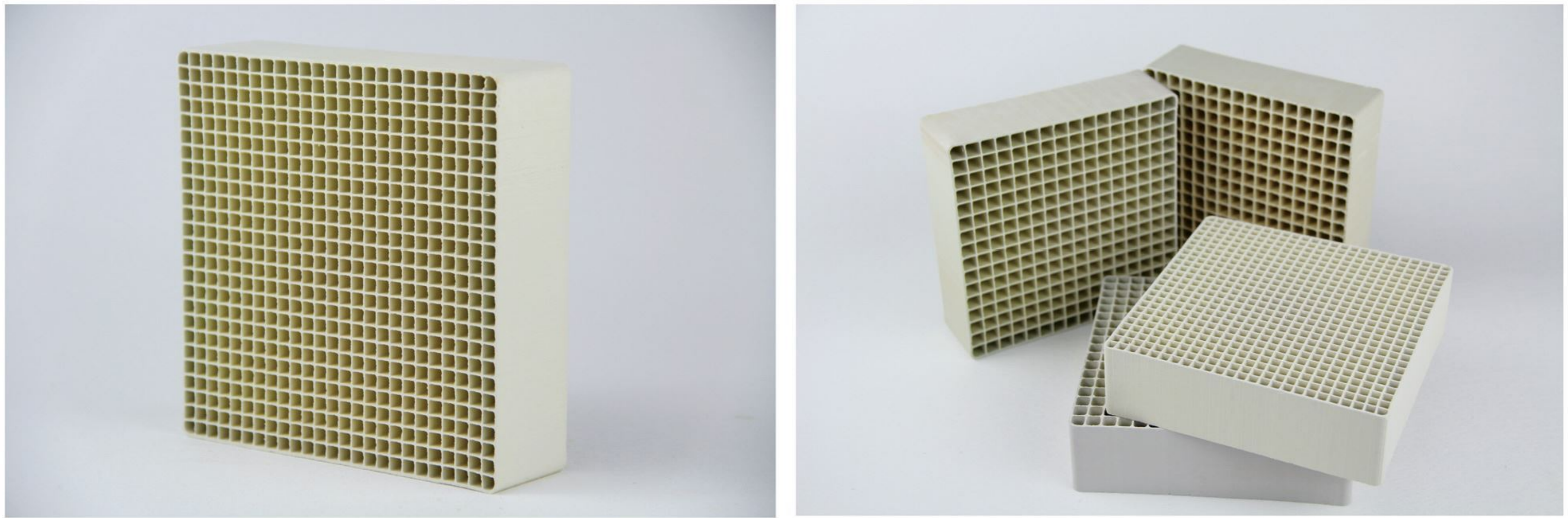
Model Assembling



Installing

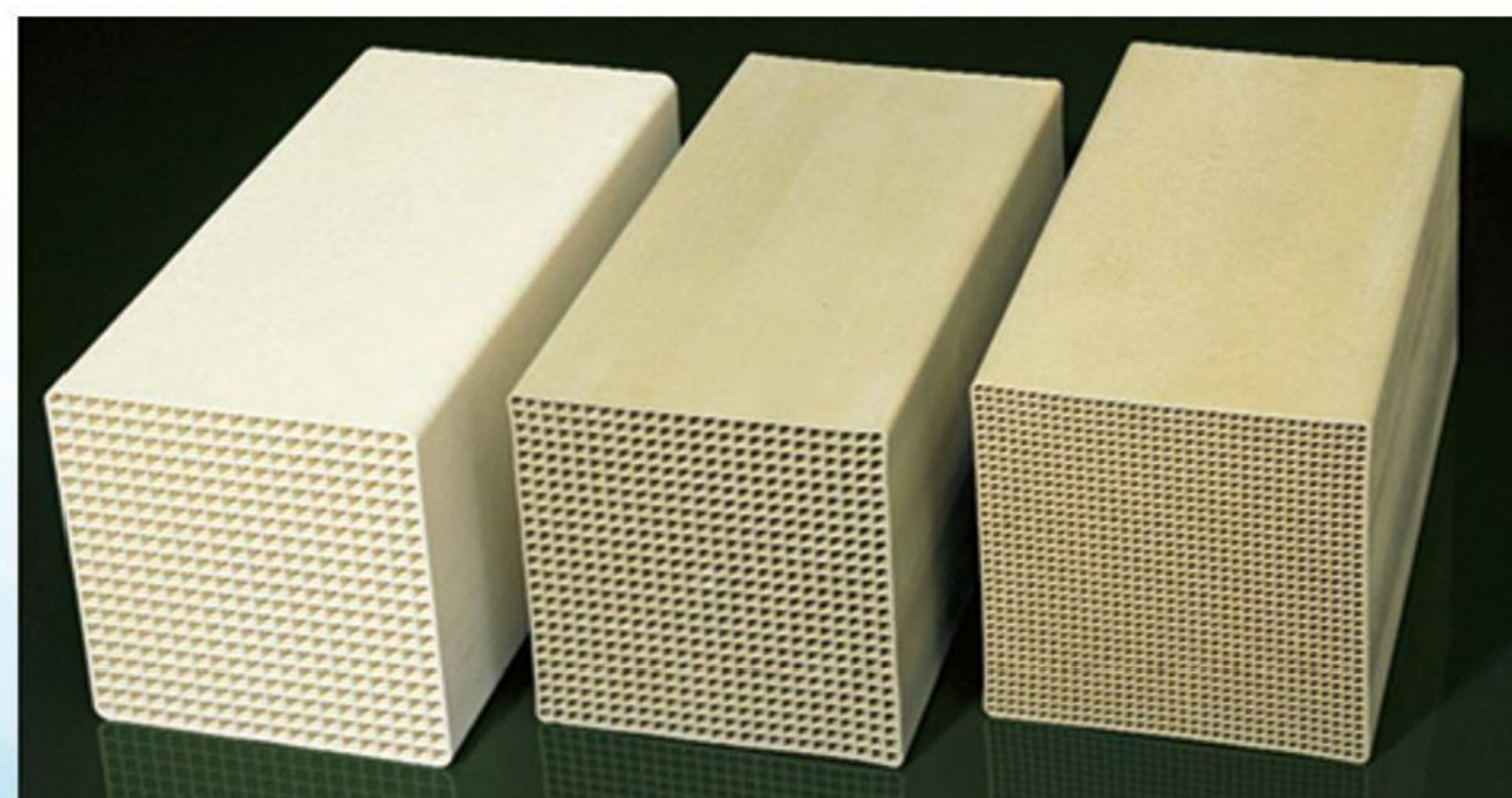
PRODUCTION INTRODUCTION

SCR flue gas denitration catalyst is widely used in denitration systems such as coal, gas, oil-fired power plants, cement kilns, glass kilns, coking plants, biomass, waste incineration, sintering machines, etc.; the product form is homogeneous honeycomb catalyst



Honeycomb catalyst characteristics

1. Honeycomb catalyst is made from a variety of raw materials, extrusion, high temperature sintering, homogeneous high catalytic activity products
2. The formula can be designed according to the actual working condition flue gas condition, with strong pertinence, wide adaptability and reliable scheme;
3. Titanium dioxide as carrier, high temperature calcination process, excellent resistance to wide temperature difference of boiler
4. The dust-collecting end of the catalyst is provided with a hardened wear-resistant layer, which is resistant to smoke and dust, and ensures a mechanical life of >10 years;
5. Ultra-fine TiO₂ is a substrate with large specific surface area and high activity
6. Special formula design, excellent resistance to alkali poisoning, alkali metal, calcium, arsenic, etc.
7. Wide range of use and high safety factor



PRODUCTION INTRODUCTION

The following test data are all derived from the Lantern Catalyst Performance Test Report issued by Suzhou West Thermal Energy Conservation and Environmental Protection Laboratory.



苏州西热节能环保技术有限公司中心实验室

检测报告
Testing report

项目名称: 元琛研发样 SCR 催化剂检测
委托单位: 安徽元琛环保科技股份有限公司
检测类型: 送检

报告发送日期: 2019年4月19日
Report date: 4/19 2019

ZXSYS-JL-CHCH-001
2019004
副本

表 6: 烟气脱硝催化剂工艺特性检验结果

Project	项目	单位	Working condition1	Working condition2	Working condition3
			工况一 (180℃)	工况二 (240℃)	工况三 (260℃)
Testing No	检验编号	-	2019004-1,2019004-2		
Denitration efficiency	脱硝效率	%	90.4	90.6	90.2
Ammonia escape	氨逃逸 (21.2% O ₂)	μL/L	2.1	1.7	1.0
SO ₂ /SO ₃ conversion rate	SO ₂ /SO ₃ 转化率	%	0.61	0.73	0.9
Pressure drop	压降	Pa	100	103	115
Active	活性	m/h	19.8	21.9	25.3

****报告正文结束****

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审核: 王辉
批准: 孔祥刚

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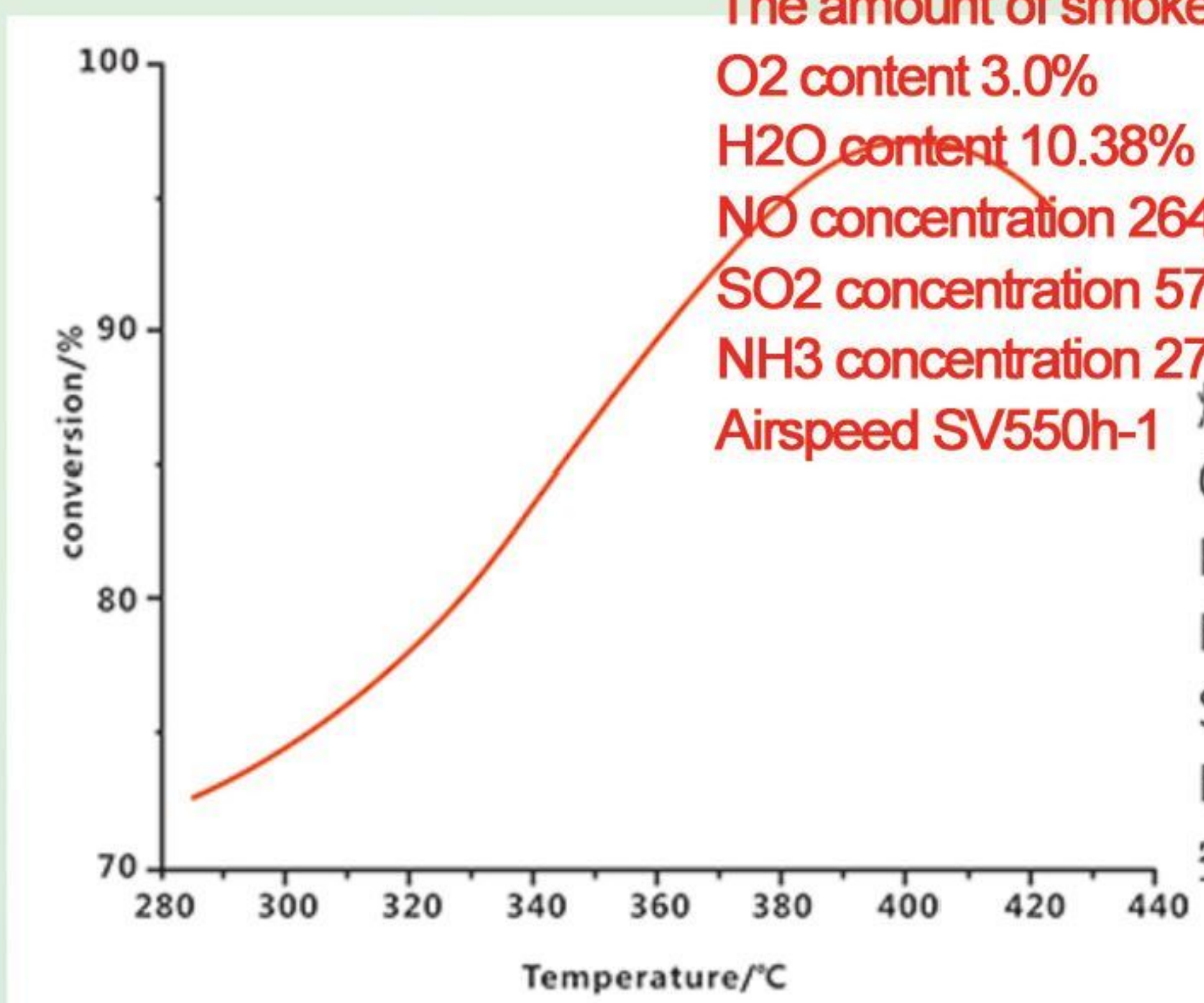
TPRI
合同编号: TPRI/GU-CA-251-2017A
报告编号: TPRI/GU-RB-322-2017

华润电力湖南有限公司 2×650MW 机组超低排放改造工程 SCR 装置流场 CFD 优化设计研究报告

China Resources Power Hunan Co., Ltd. 2*650MW unit ultra-low emission renovation project SCR device flow field CFD optimization design research report

西安热工研究院有限公司 苏州分公司
苏州西热节能环保技术有限公司
二〇一七年九月

元琛科技成功助力华润鲤鱼江电厂 2 x 650MW 机组尾气 NO_x 超净排放工程



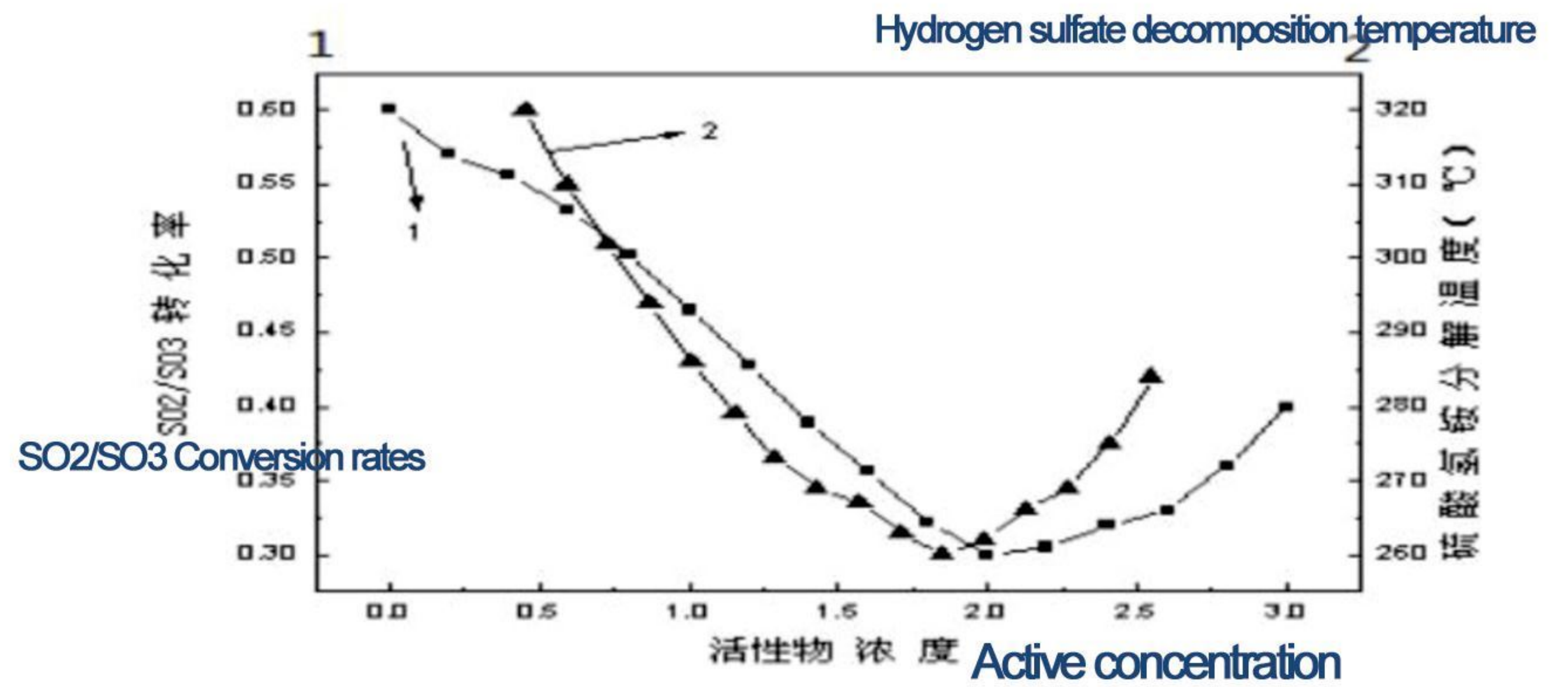
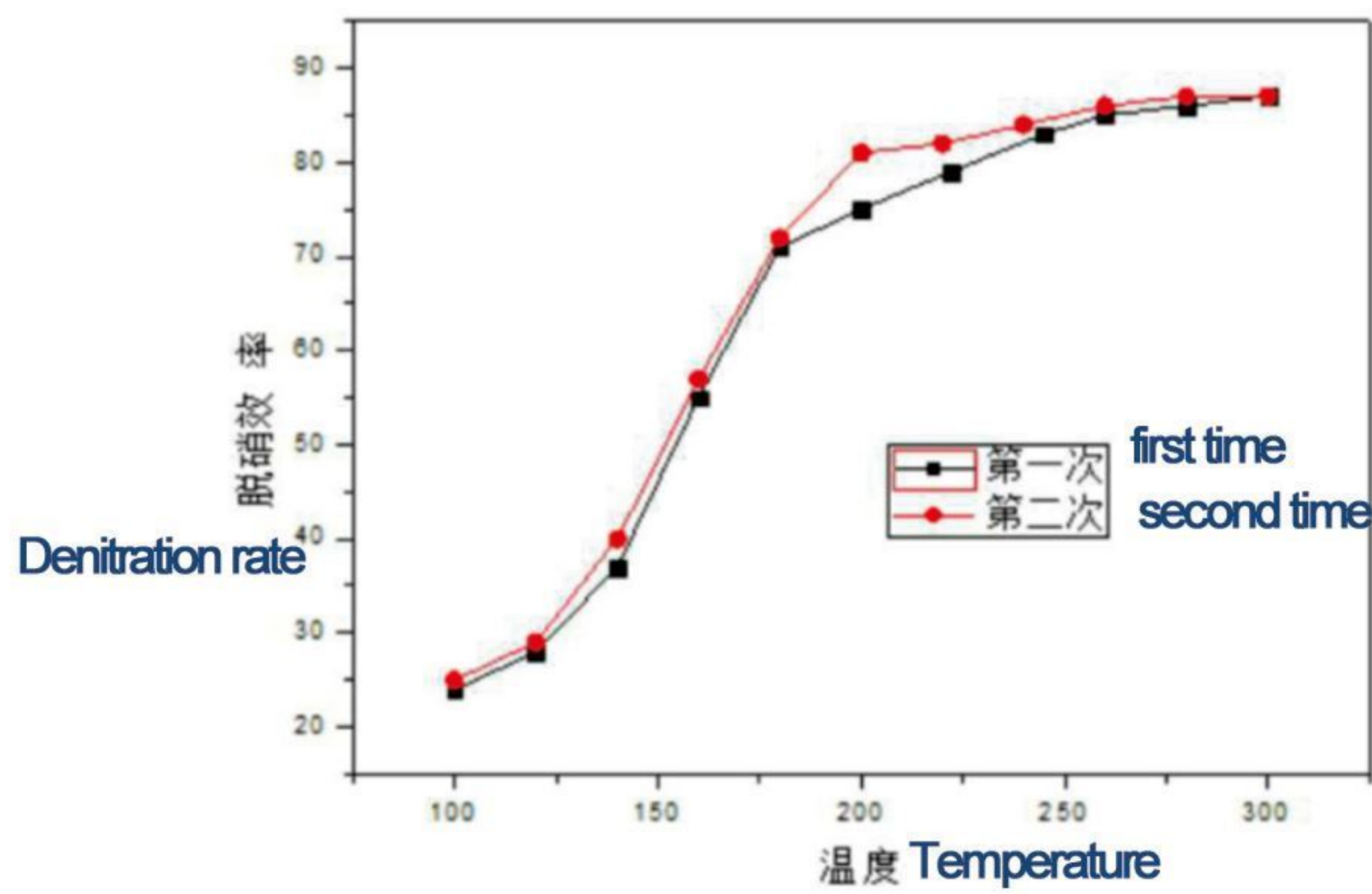
The amount of smoke is 1093500Nm³/h
O₂ content 3.0%
H₂O content 10.38%
NO concentration 264ppm
SO₂ concentration 572ppm
NH₃ concentration 270ppm
Airspeed SV550h⁻¹

烟气量 1093500Nm³/h
O₂含量 3.0%
H₂O含量 10.38%
NO浓度 264ppm
SO₂浓度 572ppm
NH₃浓度 270ppm
空速 SV550h⁻¹

备注: 以上数据来源于来自于西安热工院出具的权威检测报告

Product Introduction

Low temperature catalyst



Difficulties in low temperature denitration catalysts

1. Hydrogen sulphate poisoning problem at low temperature

Our company mainly inhibits the formation of ammonia hydrogen sulphate by inhibiting the oxidation of SO₂ on the one hand, and reduces the ammonia decomposition temperature of hydrogen sulphate on the other hand by inhibiting the oxidation of SO₂.

2. Catalyst activity at low temperature

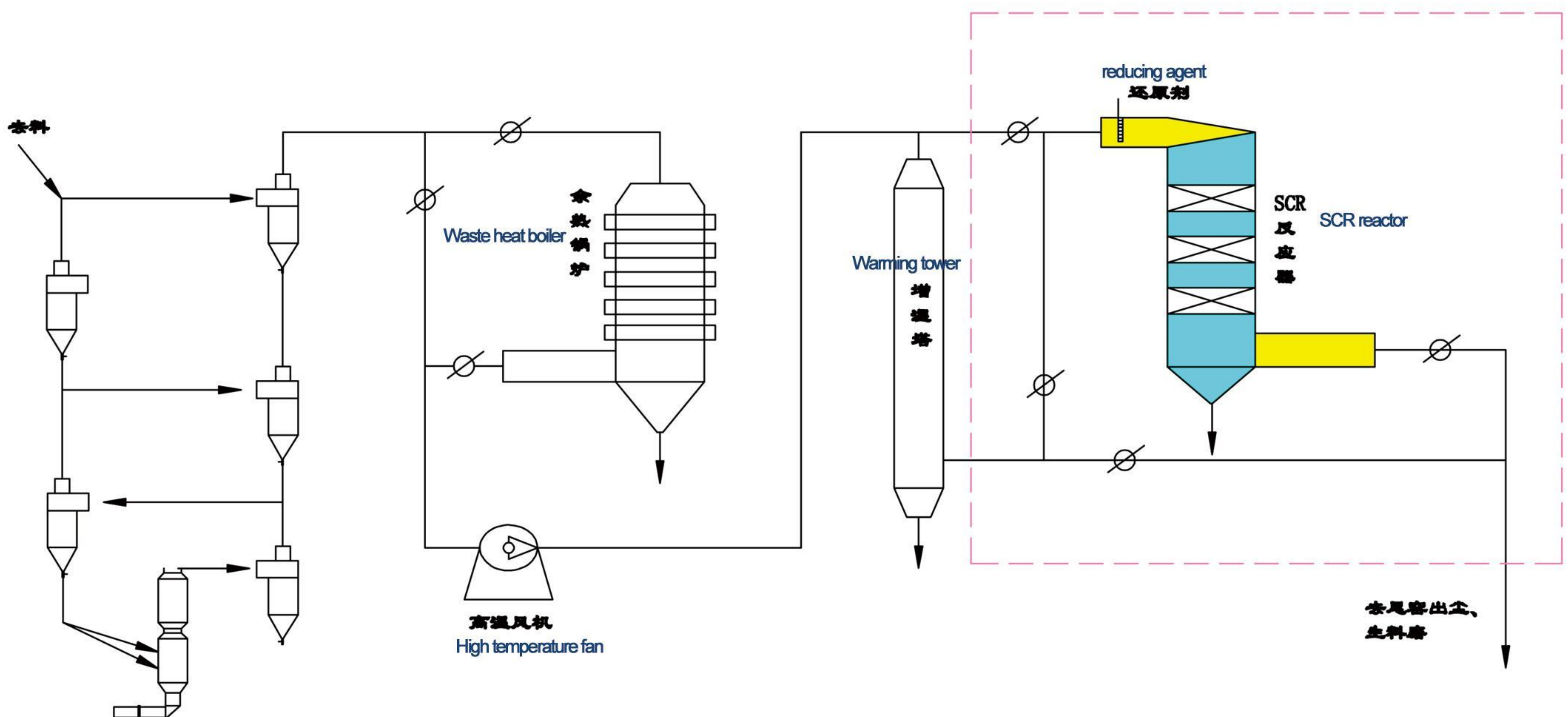
Using the principle of metal solid solution and multi-metal effect, the cross-distribution of different metal oxide molecules is realized, and the optimization of micro-aperture is ensured that the product can have higher activity between 170-380 °C.

Yuanchen low-temperature catalyst has obtained a number of invention patents, which can meet heating boilers, coking industry, Polish industry, chemical industry, steel sintering machine, biomass power generation, waste incineration and other industries.

No	Company	Industry	Temperature	Capacity
1	Beijing Yanqing Heating Bureau	Coal-fired boiler, circulating fluidized bed	240-260°C	90T/h
2	Beijing Qinglu	Chemical industry	240-300°C	4*25T/h
3	Tianjin Shenghan	Petrochemical	200°C	6T/h、15T/h
4	Zhenhua Glass	Glass	270-320°C	110T/d
5	Fuming Ceramic Kiln	Ceramic kiln	260-300°C	100000 T/year
6	Ma Steel Coking	Coking	300°C	600000T/year
7	Linzhou Xinda Coking	Coking	220-260°C	600000T/year
8	Shanxi Jiucheng Coking	Coking	180-230°C	600000T/year
9	Hubei Cement Factory	Cement	35T/h	160°C
10	Hebei Huaheng Biomass Power Plant	Biomass	270-330°C	31T/h

Product Introduction

Cement industry catalyst



The cement denitration process can be divided into low-temperature denitration and high-temperature denitration. The SO₂ conversion inhibitor technology and the metal solid solution principle are used in low-temperature denitration to ensure high activity between 170-380 °C. At high temperature denitration, our 13-well catalyst It can cope with 80g/NM³g working condition. In the aspect of anti-alkali metal, our company can guarantee the catalyst to serve 24000h under the condition of 45% alkali metal content through the core structure charge repulsion and structural alkali metal solidification principle.

Product Introduction

Glass kiln industry catalyst introduction

Our company has become a long-term strategic partner with industrial glass enterprises such as Xinyi Group and Qibin Group. The catalysts for production have also been successfully applied to Zhengcheng Zhenghua Glass, Yucheng Fengze Glass, Shandong Jingfeng Glass, Jiangsu Jingrui Glass, etc.

Difficulties in flue gas denitrification treatment in the glass industry

Alkaline earth metal content is high and viscous, especially when the fuel is petroleum pulp or petroleum coke powder

Our main solutions

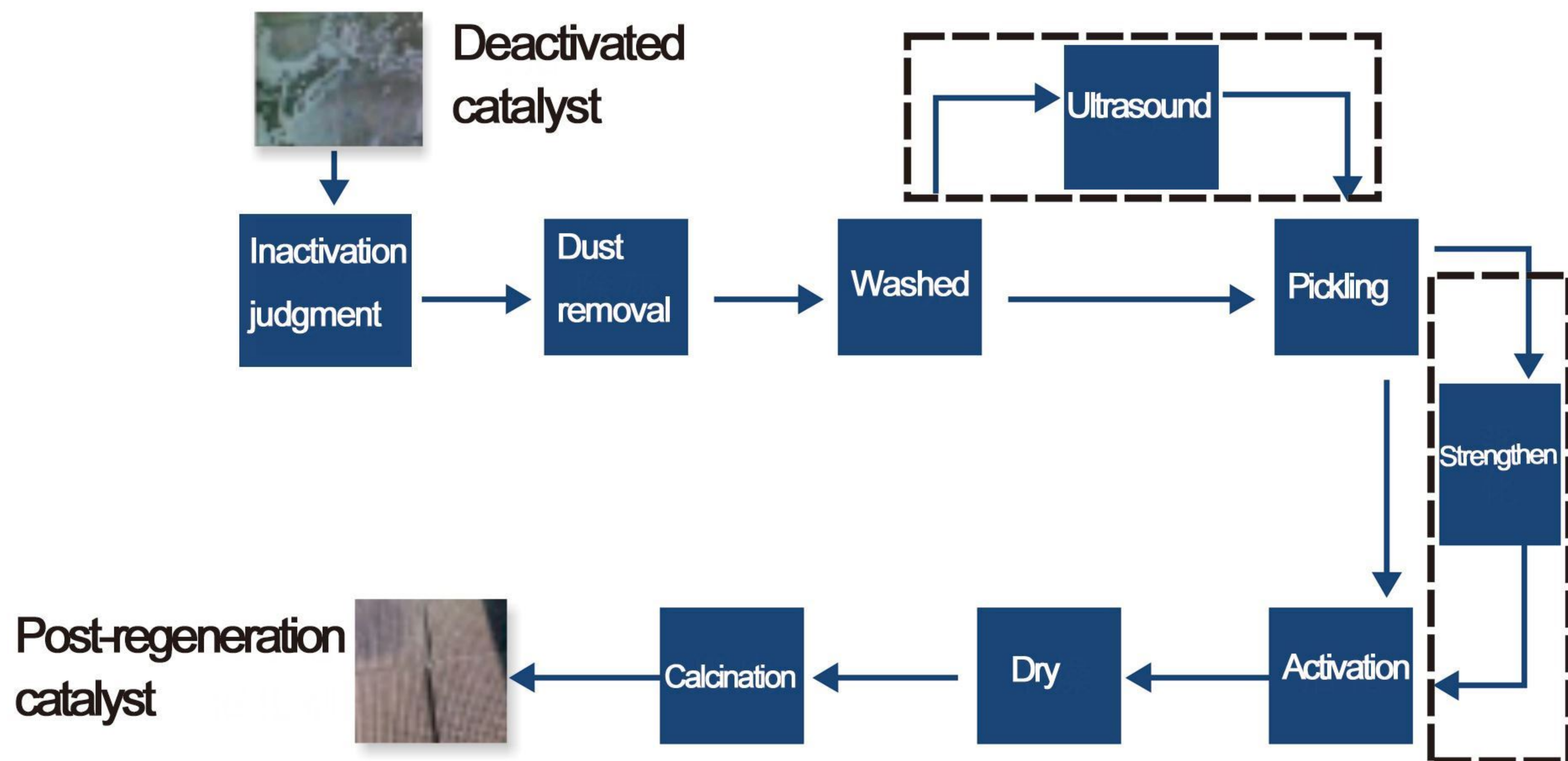
1. Adjust the pore area of the catalyst
2. Optimize catalyst formulation and increase catalyst activity
3. Honeycomb adsorption layer with adjustable pore number, filtering and adsorbing deadly substances

This filter adsorption layer has been successfully used in many projects of burning petroleum coke powder and burning petroleum pulp, and has a service life of up to 3 years. In terms of alkali-resistant metal, our current technology has been applied to Shandong Fuming ceramic kiln, and its total alkaline earth metal content is over 40%.

No	Project	Unit capacity	Specification	Quantity	Note
1	Qinhuangdao Yaohua Glass	800t/d	22 holes	54m ³	Burnt petroleum coke
2	Shandong Zhenhua Glass	500t/d	20 holes	45m ³	280–330 °C
3	Shandong Guangyao Glass	800t/d	20 holes	45m ³	
4	Qibin (Malaysia) Glass	1000t/d	20 holes	80m ³	
5	Wuhu Xinyi Glass	1000t/d	25 holes	55m ³	
6	Yingkou Xinyi Glass	800t/d	25 holes	75m ³	Long-term operation at 400-410 °C
7	Tianjin Xinyi Glass	600t/d	25 holes	160m ³	
8	Guangzhou Yufeng Glass	600t/d	22 holes	64m ³	Burnt petroleum coke
9	Hubei Shishou Glass	600t/d	22 holes	64m ³	Burnt petroleum coke
10	Shandong Jingfeng Glass	450t/d	18 holes	55m ³	

Catalyst Regeneration

Yuanchen Technology provides customers with quality products at the same time, and solves the problem of recycling denitration catalysts for customers at one time.



Catalyst performance parameters after regeneration

1. The denitrification activity of the regenerated catalyst can reach 95-105% of the new catalyst.
2. SO₂/SO₃ conversion rate ≤ 0.8%
3. Ammonia escape rate ≤ 3ppm
4. Blocking rate ≤ 1%
5. Catalyst can be used at 98%
6. Mechanical life is ≥ 5 years overall, chemical life > 18000h

Steel catalyst performance



Fengfeng Mining Area Hexin Iron and Steel Co., Ltd.
120m² sintering catalyst project



Wu'an Yuhua Iron and Steel Co., Ltd.
2*200m² sintering project



Hebei Anfeng Steel Co., Ltd.
2*180m²+360m² sintering flue gas denitrification project



Hebei Jingye Steel Co., Ltd.
230m² sintering flue gas denitrification project



Shanxi Zhongsheng Steel Co., Ltd.
180m² sintering flue gas denitrification project



Danyang Longjiang Iron and Steel Co., Ltd.
70+130m² sintering flue gas denitrification project

Overseas Development

On the basis of adhering to independent innovation, Yuanhao Technology actively seeks extensive cooperation with enterprises that have mastered cutting-edge technology at home and abroad. The company has successively cooperated with British Energy and Environment Company (EE&E), German Z hke Engineering Consulting Co., Ltd. (G&G.C), Japan NE Pillar Club, Japan Nisshin Chemical Co., Ltd., and well-known domestic power design institute, electric power construction unit and equipment manufacturer. Good business cooperation such as well-known enterprises



Typical Case

Case1: Anhui Huainan Pingyi Power Generation Co., Ltd. 2*1000MW, 4*600MW

Dust concentration: 38.75g/Nm³ (standard, wet basis)

Denitration efficiency >91%

Inlet NOX concentration: 450mg/Nm³ (dry basis, 6%Q₂)

Export NOX concentration: 40.5mg/Nm³ (dry basis, 6%Q₂)

Ammonia escape: 2.0ppm

SO₂/SO₃ conversion rate: 0.9%

Number of holes: 18 holes

Design temperature 360°C



Case2: Guizhou Yugui Power Generation Co., Ltd. 2*600MW



Dust concentration: 48g/Nm³ (standard, wet basis)

Denitration efficiency >92%

Inlet NOX concentration: 611mg/Nm³ (dry basis, 6%Q₂)

Export NOX concentration: 32mg/Nm³ (dry basis, 6%Q₂)

Ammonia escape: 1.8ppm

SO₂/SO₃ conversion rate: 0.7%

Number of holes: 18 holes

Design temperature 410°C

Case3: Anhui Maanshan Power Generation Company 2*600MW

Dust concentration: 37g/Nm³ (standard, wet basis)

Denitration efficiency >91%

Inlet NOX concentration: 530mg/Nm³ (dry basis, 6%Q₂)

Export NOX concentration: 38mg/Nm³ (dry basis, 6%Q₂)

Ammonia escape: 2.0ppm

SO₂/SO₃ conversion rate: 0.7%

Number of holes: 16 holes

Design temperature 372°C



Case4: Hunan Huarun Power Liyujiang Power Plant 2*660MW



Dust concentration: 48g/Nm³ (standard, wet basis)

Denitration efficiency >93%

Inlet NOX concentration: 700mg/Nm³ (dry basis, 6%Q₂)

Export NOX concentration: 40mg/Nm³ (dry basis, 6%Q₂)

Ammonia escape: 2.5ppm

SO₂/SO₃ conversion rate: 0.8%

Number of holes: 16 holes

Design temperature 381°C

Typical Case

Case5: Shanxi Datang International Yuncheng Power Generation Co., Ltd. 1*600MW

Dust concentration: 50g/Nm³ (standard, wet basis)

Denitration efficiency >90%

Inlet NOX concentration: 400mg/Nm³ (dry basis, 6%Q2)

Export NOX concentration: 40mg/Nm³ (dry basis, 6%Q2)

Ammonia escape: 2.5ppm

SO₂/SO₃ conversion rate: 0.7%

Number of holes: 16 holes

Design temperature 350°C



Case6: Jiuquan Iron and Steel (Group) Co., Ltd. 4*350MW



Dust concentration: 25.3g/Nm³ (standard, wet basis)

Denitration efficiency >89.2%

Inlet NOX concentration: 350mg/Nm³ (dry basis, 6%Q2)

Export NOX concentration: 38mg/Nm³ (dry basis, 6%Q2)

Ammonia escape: 1.7ppm

SO₂/SO₃ conversion rate: 0.8%

Number of holes: 18holes

Design temperature 380°C

Case7: Huaibei Guoan Electric Power Co., Ltd. 2*300MW (catalyst replacement and regeneration)

Dust concentration: 28g/Nm³ (standard, wet basis)

Denitration efficiency >88.3%

Inlet NOX concentration: 300mg/Nm³ (dry basis, 6%Q2)

Export NOX concentration: 35mg/Nm³ (dry basis, 6%Q2)

Ammonia escape: 2.3ppm

SO₂/SO₃ conversion rate: 0.7%

Number of holes: 18holes

Design temperature 320°C



Case8: Wuhan Steel and Electric Co., Ltd. 2*200MW



Dust concentration: 30g/Nm³ (standard, wet basis)

Denitration efficiency >89.4%

Inlet NOX concentration: 500mg/Nm³ (dry basis, 6%Q2)

Export NOX concentration: 37mg/Nm³ (dry basis, 6%Q2)

Ammonia escape: 1.7ppm

SO₂/SO₃ conversion rate: 0.75%

Number of holes: 18holes

Design temperature 370°C

Typical Case

Case 9: Saideli (Jiujiang) Fiber Co., Ltd. 1 * 410T

Dust concentration: 32g/Nm³ (standard, wet basis)
 Denitration efficiency >75%
 Inlet NOX concentration: 200mg/Nm³ (dry basis, 6%Q2)
 Export NOX concentration: 40mg/Nm³ (dry basis, 6%Q2)

Ammonia escape: 2.5ppm
 SO₂/SO₃ conversion rate: 0.9%
 Number of holes: 20holes
 Design temperature 380°C



Case 10: Baling Petrochemical Thermal Power Division 220t / h pulverized coal furnace, 410t / h pulverized coal furnace, 260t / h pulverized coal furnace, 3 * 220t / h pulverized coal furnace



Dust concentration: 40-45g/Nm³ (standard, wet basis)
 Denitration efficiency >94.5%
 Inlet NOX concentration: 600mg/Nm³ (dry basis, 6%Q2)
 Export NOX concentration: 29-33mg/Nm³ (dry basis, 6%Q2)

Ammonia escape: 1.9ppm
 SO₂/SO₃ conversion rate: 0.7-0.8%
 Number of holes: 18 holes
 Design temperature 370-380°C

Case 11: Qinhuangdao Huaheng Biological Engineering Co., Ltd. Biomass Boiler 1*20T

Dust concentration: 20g/Nm³ (standard, wet basis)
 Denitration efficiency >87.5%
 Inlet NOX concentration: 800mg/Nm³ (dry basis, 6%Q2)
 Export NOX concentration: 100mg/Nm³ (dry basis, 6%Q2)

Ammonia escape: 2ppm
 SO₂/SO₃ conversion rate: 0.8%
 Number of holes: 18 holes
 Design temperature 280-370°C



Case 12: Shandong Ruiyang Pharmaceutical Co., Ltd. self-owned power plant



Dust concentration: 10g/Nm³ (standard, wet basis)
 Denitration efficiency >89.7%
 Inlet NOX concentration: 400mg/Nm³ (dry basis, 6%Q2)
 Export NOX concentration: 41mg/Nm³ (dry basis, 6%Q2)

Ammonia escape: 1.5ppm
 SO₂/SO₃ conversion rate: 0.8%
 Number of holes: 22holes
 Design temperature 300°C

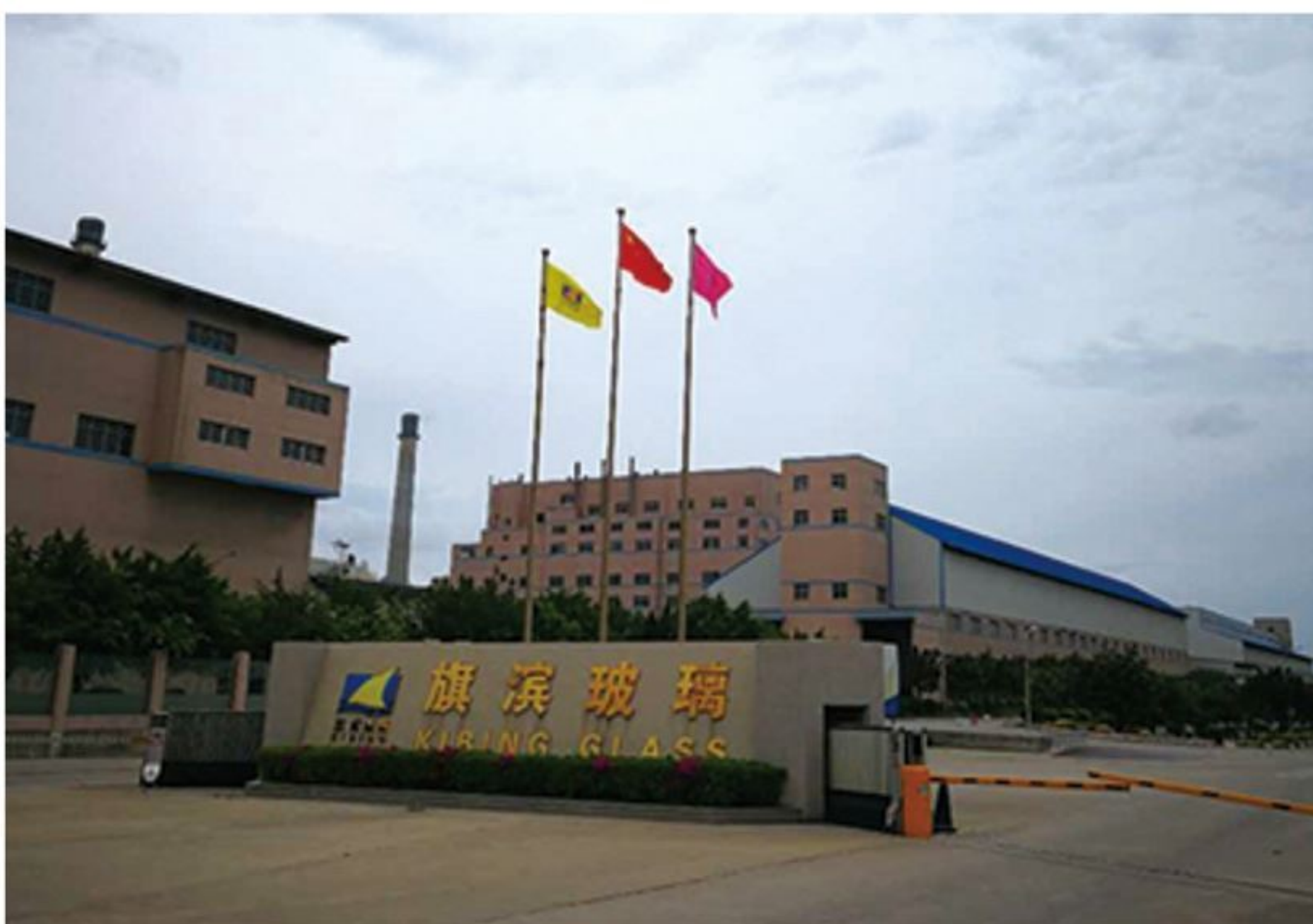
Typical Case

Case 13: Xinyi Group (glass kiln)

Dust concentration: 50g/Nm³ (standard, wet basis)
Ammonia escape: 2.9ppm
Denitration efficiency >82%
SO₂/SO₃ conversion rate: 0.9%
Design temperature :350°C
Inlet NOX concentration: 2800mg/Nm³ (dry basis, 6%Q₂)
Export NOX concentration: 163mg/Nm³ (dry basis, 6%Q₂)
Number of holes: 25holes



Case 14: 700b/d glass kiln of Qibin Group (Malaysia) Co., Ltd.



Dust concentration: 50g/Nm³ (standard, wet basis)
Ammonia escape: 0.8ppm
Denitration efficiency >84%
SO₂/SO₃ conversion rate: 2.9%
Number of holes: 22holes
Design temperature :320°C
Inlet NOX concentration: 3200mg/Nm³ (dry basis, 6%Q₂)
Export NOX concentration: 500mg/Nm³ (dry basis, 6%Q₂)

Case 15: Qinhuangdao Hongyao Energy Saving Glass Co., Ltd. 500t/d, 600t/d glass kiln

Combustion medium Dust concentration: 50g/Nm³ (standard, wet basis)
Ammonia escape: 2.9ppm
Denitration efficiency >93%
SO₂/SO₃ conversion rate: 0.8%
Number of holes: 25holes
Design temperature :320°C
Inlet NOX concentration: 2600mg/Nm³ (dry basis, 6%Q₂)
Export NOX concentration: 182mg/Nm³ (dry basis, 6%Q₂)



Low Temperature Catalyst Performace cases

Case 16: Shanxi Jiucheng Coking: SCR Low Temperature Denitrification + Wet Desulfurization

Operation Date: March 2018

Dust concentration: 500g/Nm³ (standard, wet basis)

Denitration efficiency >86%

Inlet NOX concentration: 700mg/Nm³ (dry basis, 6%Q₂)

Export NOX concentration: 100mg/Nm³ (dry basis, 6%Q₂)

Ammonia escape: 3ppm

SO₂/SO₃ conversion rate: 0.9%

Number of holes: 25 holes

Design temperature 180-240°C



Case 17: Shandong Zouping Fuming Ceramic Kiln - Dust Removal and Desulfurization after Denitration



Operation Date: September 2017

Dust concentration: 1000g/Nm³ (standard, wet basis)

Denitration efficiency >90%

Inlet NOX concentration: 3000mg/Nm³ (dry basis, 6%Q₂)

Export NOX concentration: 300mg/Nm³ (dry basis, 6%Q₂)

Ammonia escape: 2.4ppm

SO₂/SO₃ conversion rate: 0.85%

Number of holes: 22 holes

Design temperature 260°C

Case 18: Henan Linzhou Coking: Bag Dust Removal - Activated Carbon Adsorption - SCR Low Temperature Denitration - Wet Desulfurization

Operation Date: October 2017

Dust concentration: 300g/Nm³ (standard, wet basis)

Denitration efficiency >75%

Inlet NOX concentration: 600mg/Nm³ (dry basis, 6%Q₂)

Export NOX concentration: 100mg/Nm³ (dry basis, 6%Q₂)

Ammonia escape: 2.1ppm

SO₂/SO₃ conversion rate: 0.75%

Number of holes: 25 holes

Design temperature 240°C



Case 19: Shanxi Hejin Sunshine Huatai Coking: SCR Denitrification + Wet Desulfurization



Operation Date: May 2019

Dust concentration: 16.15g/Nm³ (standard, wet basis)

Denitration efficiency >93.3%

Inlet NOX concentration: 450mg/Nm³ (dry basis, 6%Q₂)

Export NOX concentration: 25-30mg/Nm³ (dry basis, 6%Q₂)

Ammonia escape: 2.0-2.2ppm

SO₂/SO₃ conversion rate: 0.7-0.8%

Number of holes: 22 holes

Design temperature 210-350°C

Business Partner





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