

意高燃烧器 Eacon Burner

- T系列分体燃烧器
T series split burner
- E系列一体燃烧器
E series integrated burner
- E系列分体燃烧器
E series split burner



超低氮黑科技 点燃技术未来

Ultra Low Nitrogen Black Technology Ignite the future of technology

Eacon[®]

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品牌介绍

BRAND INTRODUCTION

Eacon意高燃烧器是一款聚焦热能领域燃烧技术、以降低燃烧污染物为研发宗旨的环保产品。目前在中国大陆拥有多个专家团队、一流的研发中心和多个试验基地。Eacon意高深耕行业20余年，是国内资深的固废危废燃烧系统标杆企业及工业领域超低氮技术的领航者，致力于为全球燃烧事业提供全生命周期服务。

Eacon Eacon Burner is an environmentally friendly product that focuses on combustion technology in the field of thermal energy and aims to reduce combustion pollutants. At present, it has many expert teams, first-class R&D centers and multiple test bases in Chinese Mainland. Eacon has been deeply involved in the industry for more than 20 years and is a senior benchmark enterprise for solid waste and hazardous waste combustion systems in China, as well as a leader in ultra-low nitrogen technology in the industrial field. It is committed to providing full lifecycle services for the global combustion industry.

EACON意高燃烧器不仅完全符合欧洲EN、CE、ISO标准及认证，在国内也通过了中国特种设备检测研究院型式试验并获得证书，以及获得中国石油管道公司物资供应准入证。

EACON burner not only fully complies with European EN, CE, ISO standards and certifications, but also has passed the type test of China Special Equipment Testing and Research Institute and obtained a certificate in China, as well as obtained the material supply access certificate of China Petroleum Pipeline Company.

主要产品:Eacon系列燃烧器、燃烧器配件

Main products: Eacon series burners and burner accessories

服务项目:Eacon燃烧器设计开发、生产销售、维护等服务

Service content: Eacon burner design and development, production and sales, maintenance and other services.

1.T系列分体燃烧器
T series split burner

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2.E系列一体燃烧器
E-series integrated burner

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3.E系列分体燃烧器
E-series split burner

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产品优势 Product advantages

1.无缝对接众多行业，适用性强 Apply to many industries and strong applicability

覆盖石油化工、高温炸铸、热风烘烤、纺织整烫、热水锅炉、蒸汽锅炉、工业锅炉、焚烧锅炉、筑路机械等多个行业,并达到NOx <30mg/Nm³最低排放标准，满足市面上各种炉型的工艺要求。

Covering multiple industries such as petrochemical, high-temperature blast casting, hot air baking, textile ironing, hot water boilers, steam boilers, industrial boilers, incineration boilers, road construction machinery, etc., and meeting the minimum emission standard of NOx<30mg/Nm³, meeting the process requirements of various types of boilers on the market.

2.自主研发超低氮FIR技术，丰富的市场经验 Independently developed ultra-low nitrogen FIR technology with rich market experience

拥有专属的海外研发中心自主研发超低氮FIR技术，深耕国内热能市场20年，充分将世界高端技术与国内市场完美结合。

Exclusive overseas research and development center to independently develop ultra-low nitrogen FIR technology, deeply cultivate the domestic thermal energy market for 20 years, and fully integrate the world's high-end technology with the domestic market.

3.欧洲工艺品质，质量无可挑剔 European workmanship quality, the quality is impeccable

每款燃烧器不仅完全符合欧洲EN、CE、ISO标准及认证，在国内也通过了中国特种设备检测研究院型式试验并获得证书，以及获得中国石油管道公司物资供应准入证。

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4.一对一无忧售前售后 One to one pre-sales & after sales

拥有200多人的直属售前售后团队24小时待命，为客户提供最专业的贴心服务，目前售后服务点已覆盖了北京、上海、湖南等城市，凡安装后便全天候跟踪排查,如有故障即时处理，最大限度降低损失。

A direct pre-sales and after-sales team with over 200 people is on standby 24 hours a day, providing customers with the most professional and thoughtful service. Currently, after-sales service location has covered cities such as Beijing, Shanghai, and Hunan. After installation, they are tracked and checked all the time, and any faults are promptly handled to minimize losses.

5.充分燃烧效率高，均达到30mg/Nm³ High full combustion efficiency, all reaching 30mg/Nm³

采用多燃料喷枪，保证燃烧器喷嘴在燃烧器中心，布风均匀对称，保证充分燃烧效率≥99.9%，所有型号均能适配30mgNm³的超低氮排放要求。

Adopting a multi fuel spray gun to ensure that the burner nozzle is located in the center of the burner, with uniform and symmetrical air distribution, ensuring a full combustion efficiency of ≥ 99.9%. All models can be adapted to 30mg/Nm3 requirements for ultra-low nitrogen emissions.

6.锅炉效能有保证 Guaranteed boiler efficiency

先进稳定的分级燃烧、火焰切割、强制性烟气内循环和外部烟气再循环等技术组合应用，不影响锅炉的出力要求，精简控制系统，有效降低故障率;并通过定制化设计燃烧器，使整个燃烧系统与原锅炉实现最佳匹配。

The combination of advanced and stable technologies such as staged combustion, flame cutting, forced flue gas internal circulation, and external flue gas recirculation does not affect the output requirements of the boiler, simplifies the control system, and effectively reduces the failure rate. And through customized design of burners, the entire combustion system is optimally matched with the original boiler .

7.燃烧安全稳定 Combustion safety and stability

利用CFD有限元分析模拟计算，建立炉内燃烧场模型，指引燃烧器结构设计，降低氮氧化物排放的同时保证火焰稳定性，使燃烧过程安全平稳。

Using CFD finite element analysis to simulate and calculate, establish a combustion field model in the furnace, guide the burner structure design, reduce nitrogen oxide emissions while ensuring flame stability, and ensure safe and stable combustion process.

8.精准BMS质控装置，随时监控风险 Accurate BMS quality control device for monitoring risks at any time

程序控制器/PLC，全系列电子比例PID调节均配有独立的BMS燃烧管理系统控制柜，系统控制标准化模块化，可以大大减少需求方在DCS编程工作,有效控制风险。

The program logic controller/PLC and the entire series of electronic proportional PID adjustments are equipped with independent BMS combustion management system control cabinets. The system control is standardized and modular, which can greatly reduce the demand side's programming work in DCS and effectively control risks.

服务主要行业 Main industries served

石油化工、高温熔铸、热风烘烤、纺织印染、供暖、焚烧锅炉、筑路机械行业中，多种燃料，助燃风温度，防爆式、非防爆式现场需求的蒸汽锅炉、热水锅炉、热载体炉等设备需求运用的燃烧器。

Burners are used in various fuels, combustion-supporting air temperature, explosion-proof and non-explosion-proof on-site demand for steam boilers, hot water boilers, heat carrier furnaces, and other equipment in the petrochemical, high-temperature casting, hot air baking, textile printing and dyeing, heating, incineration boilers, and road construction machinery industries.

在医疗、食品、新能源、电子制造等行业:EACOON燃烧器,一体和分体机，被广泛用于热水锅炉、蒸汽锅炉、热载体炉，从小型到大型，都能有效的客服和满足炉膛背压高的特点，有效提高了锅炉的热效率，降低氮氧化的排放，实现节能、环保、安全要求。

In industries such as healthcare, food, new energy, and electronic manufacturing, EACOON burners, integrated and split machines, are widely used in hot water boilers, steam boilers, and heat carrier furnaces. From small to large, they can effectively serve customers and meet the characteristics of high furnace back pressure, effectively improving the thermal efficiency of boilers, reducing nitrogen oxidation emissions, and achieving energy-saving, environmental protection, and safety requirements.

在熔铸行业：EACOON燃烧器，在高温熔铸行业已有10年的配套使用历史，经10多年的使用安装，充分满足耐基温特殊性的要求，并使用稳定，经久耐用。

In the melting and casting industry: EACOON burner has a supporting use history of 10 years in the high-temperature melting and casting industry. After more than 10 years of use and installation, it fully meets the special requirements of base temperature resistance, and it is stable and durable in use.

在供暖行业EACOON 燃烧器，在北方供暖地区被广泛配套应用，经检测，可提高节能效率5.5-8.5%，运营稳定、低氮环保。

EACOON burners are widely used in the heating industry and are widely used in northern heating areas. After testing, they can improve energy efficiency by 5.5-8.5%, operate stably, and are low in ammonia and environmentally friendly.

在印染行业：EACOON燃烧器，广泛应用于印染设备，能满足小型蒸汽锅炉高炉膛阻力条件。根据行业特殊需要，小型机能实现比例调节，油气两烧型，更能实现温度控制在±1℃以内的精确度。

In the printing and dyeing industry: EACOON burner, widely used in printing and dyeing equipment, can meet the resistance conditions of small steam boilers and blast furnaces. According to the special needs of the industry, small equipment can achieve proportional adjustment, and the oil gas dual firing type can achieve temperature control accuracy within ± 1℃.

在石化行业：EACOON 燃烧器，顺利通过中国石油管道公司市场准入后，已签约和实施多项中国石油输油管道加热炉改造项目，如庆铁线、忠武线、太阳升站、长呼线、铁锦线，以及中海石化等项目的改造和配套应用，常用功率从90KW-15500KW，克服了特殊行业的特殊条件要求（如：炉型构造特别、火焰尺寸要求特殊、东北和西北地区超低温运行、确保24小时连续运行等）

In the petrochemical industry: EACOON burner, after successfully passing the market access of China Petroleum Pipeline Company, has signed and implemented multiple China Petroleum oil pipeline heating furnace renovation projects, such as the Qingtie Line, Zhongwu Line, Taiyangsheng Station, Changhu Line, Tiejin Line, as well as the renovation and supporting applications of projects such as CNOOC, with commonly used power ranging from 90KW-15500KW, overcoming the special requirements of special industries (such as special furnace structure, special flame size requirements, ultra-low temperature operation in Northeast and Northwest regions, ensuring 24-hour continuous operation, etc.)



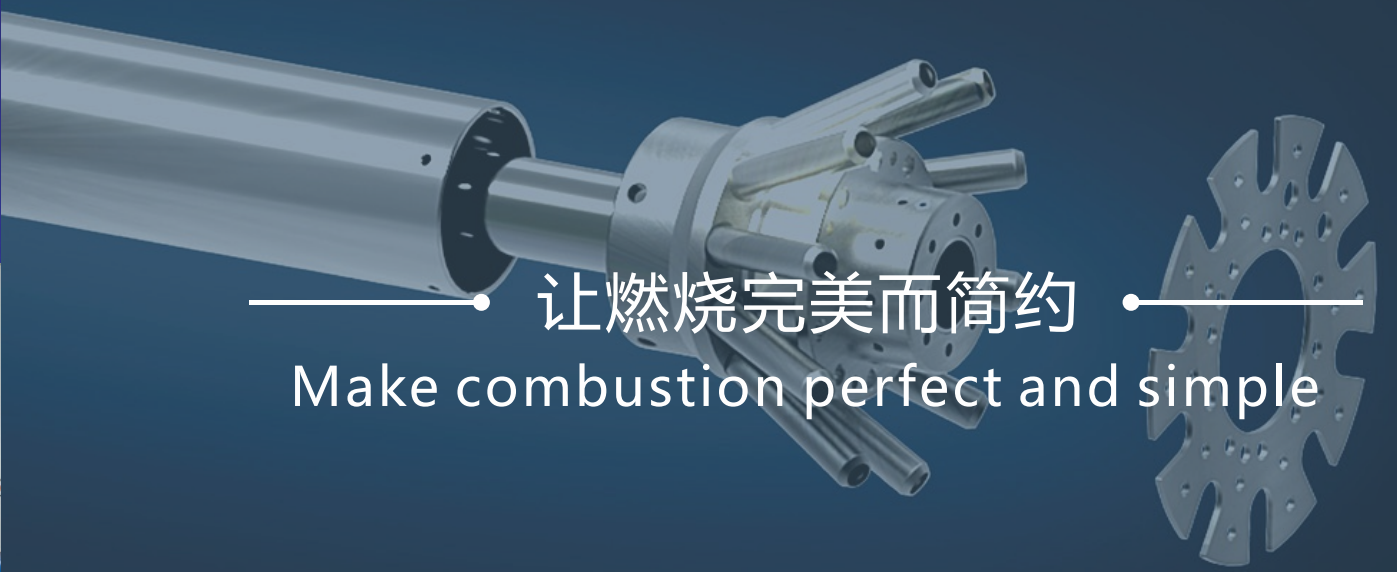
意高
欧洲工艺
EUROPEAN
CRAFTSMANSHIP

燃而不凡
BURNING IS
EXTRAORDINARY

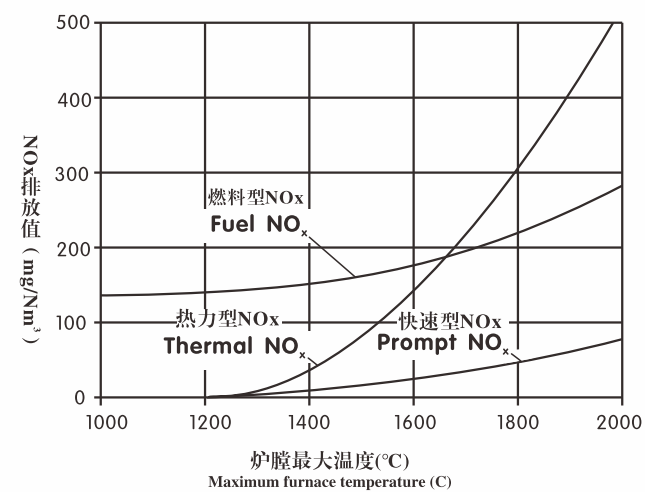


面对纬度较高地区的客户需求，解决寒冷环境冷凝水引起的产品问题，保证锅炉燃烧稳定，我们的设计团队开发出国际领先的强制性烟气内循环燃烧技术，直燃氨氧化物排放达到30mg/Nm3的超低等级。

Faced with customer needs in higher latitude regions, to solve product problems caused by condensation water in cold environments and ensure stable boiler combustion, our design team has developed an internationally leading forced flue gas internal circulation combustion technology, with direct combustion ammonia oxide emissions reaching an ultra-low level of 30mg/Nm³.



让燃烧完美而简约
Make combustion perfect and simple



降低NOx的主要技术

Main technologies for reducing NOx

✱ 热力型NOx: 空气中的N₂在高温下氧化生成NOx, 是NOx的主要产生途径; 燃烧室内的温度分布是不均匀的, 当局部高温区温度高于1450摄氏度时, 热力型NOx的生成量急剧增加, 它可能会对整个燃烧室内的NOx生成起关键性的作用。

Thermal NOx: N₂ in the air oxidizes to form NOx at high temperatures, which is the main pathway for NOx production; The temperature distribution in the combustion chamber is uneven. When the temperature in the local high-temperature zone exceeds 1450 degrees Celsius, the generation of thermal NOx increases sharply, which may play a crucial role in the overall NOx generation in the combustion chamber.

- ✱ 快速型NOx: 在碳氢燃料燃烧且富燃料的情况下, 反应区会快速生成NOx, 快速型NOx在NOx总生成量中占比很少。
- ✱ 燃料型NOx: 含氮燃料在燃烧过程中热裂解产生, 高温对其生成量影响不大, 但天然气等本身含氮量极低的燃料燃烧产生的燃料型NOx接近于零。

Fast NOx: In the case of hydrocarbon fuel combustion and rich fuel, the reaction zone will rapidly generate NOx, and fast NOx accounts for a small proportion of the total NOx generation.

Fuel type NOx: Nitrogen containing fuel is generated during thermal cracking when combustion, and high temperature has little effect on its generation. However, fuel type NOx produced by combustion of fuels with extremely low nitrogen content such as natural gas is close to zero.

在通常的气体燃烧温度下, 燃烧产生的烟气中, NO占NOx总量的90%以上而NO₂只占5%~10%。

热力型NO的生成速率:

At the usual gas combustion temperature, NO accounts for over 90% of the total NOx in the flue gas generated by combustion, while NO₂ only accounts for 5% to 10%.

Generation rate of thermal NO:

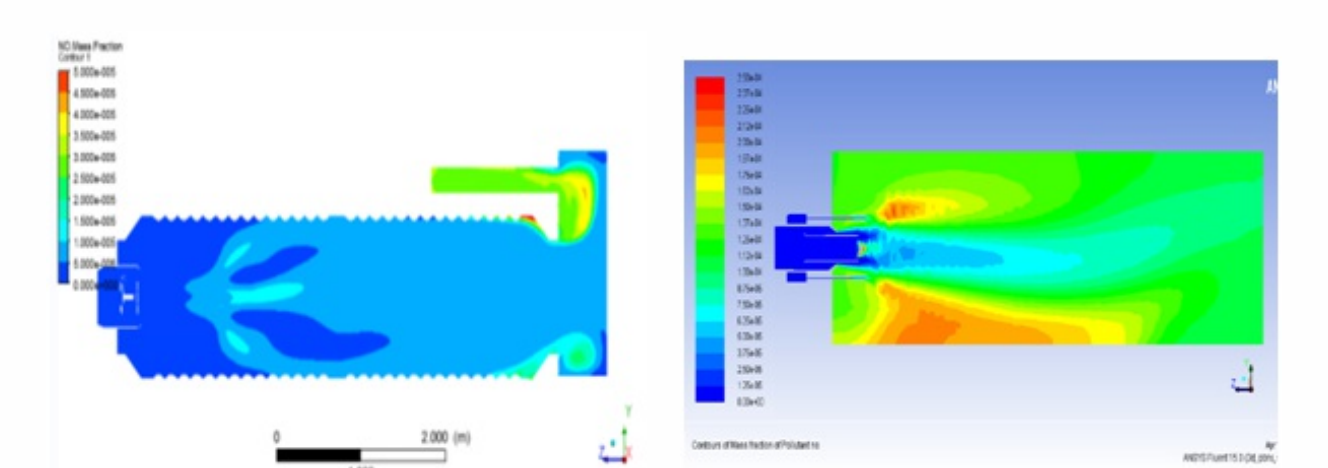
$$v_{NO} = 3 \times 10^{14} C_{N_2} C_{O_2}^{1/2} \exp\left(-\frac{54200}{RT}\right)$$
$$v_{NO} = 2k_1 C_{N_2} C_O \frac{1 - \frac{k_{-1}k_{-2}C_{NO}^2}{k_1k_2C_{O_2}C_{N_2}}}{1 + \frac{k_{-1}C_{NO}}{k_2C_O + k_3C_{OH}}}$$

以上公式对时间积分后即可得到NO的排放浓度, 可见停留时间、燃烧温度、氮气浓度和氧气浓度等均对热力型NOx的生产有重要影响, 结合实际, 经过分析可通过以下技术控制NOx生成:

- 降低过量空气系数, 降低氧的浓度, 设计主燃区的过量空气系数 $\alpha < 1$ 。
- 降低燃烧温度, 防止产生局部高温区。
- 合理设计燃烧器内部气体流动特点, 形成局部还原性气氛。
- 缩短烟气在高温区内的停留时间。

After integrating the above formula with time, the emission concentration of NO can be obtained, which includes residence time, combustion temperature, nitrogen concentration, and Oxygen concentration and other factors have a significant impact on the production of thermal NOx. Based on practical analysis, NOx generation can be controlled through the following technologies:

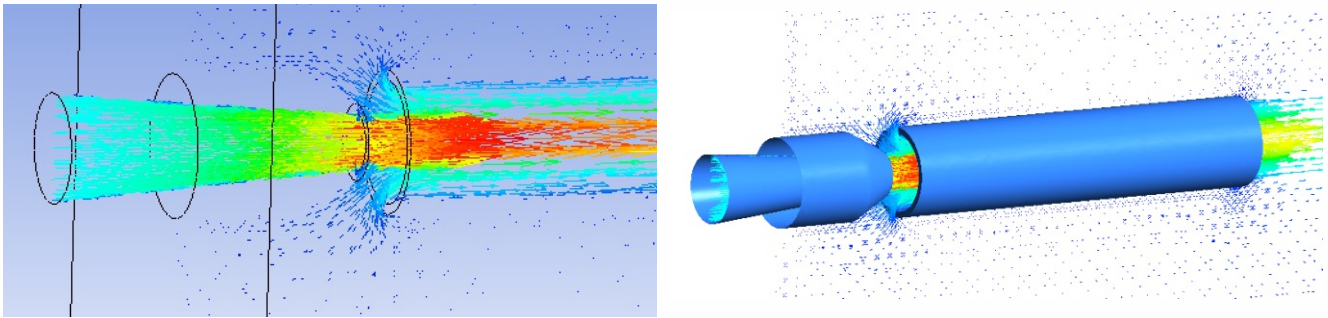
- Reduce the excess air coefficient, reduce the concentration of oxygen, and design an excess air coefficient $\alpha < 1$ for the main combustion zone.
- Reduce combustion temperature to prevent the formation of localized high temperature zones.
- Reasonably design the gas flow characteristics inside the burner to form a partial reducing atmosphere.
- Shorten the residence time of smoke in high-temperature areas.



NO_x浓度场 NOx concentration field

基于此, 本方案意高选用分级燃烧、引射文丘里效应的(FIR)超低氮燃烧器, 燃料通过外环燃气喷管高速喷入, 流进引射管时产生较大的喷口压力真空, 这种技术能形成强烈的内循环效果, 把燃气和部分回流烟气再一次卷吸混合, 达到降低火焰最高温度的作用, 取代烟气外循环的效果。

Based on this, Eacon use a staged combustion and Venturi effect (FIR) ultra-low nitrogen burner. The fuel is injected at high speed through the outer ring gas nozzle, which generates a large nozzle pressure vacuum when flowing into the nozzle. This technology can form a strong internal circulation effect, mixing the fuel gas and some reflux flue gas again, achieving the effect of reducing the maximum flame temperature and replacing the effect of external circulation of flue gas.



循环烟气速度矢量图
Velocity vector diagram of circulating flue gas

高速气体流经外环燃气管, 形成局部低压区, 卷吸周边的气体回流进引射管内, 达到降低燃烧温度的效果, 通过炉内循环(FIR)加分级燃烧、火焰分割方式, 控制燃烧区温度、氧量和高温区停留时间而实现低氮效果。

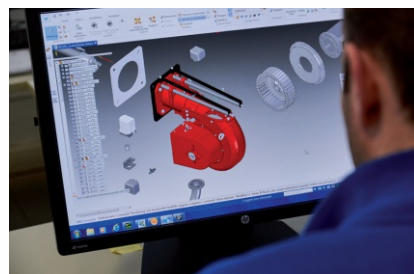
High speed gas flows through the outer ring gas pipe, forming a local low-pressure zone. The surrounding gas is sucked back into the injection pipe, achieving the effect of reducing combustion temperature. Through internal circulation (FIR), staged combustion, and flame segmentation, the combustion zone temperature, oxygen, and high temperature zone residence time are controlled to achieve a low nitrogen effect.

意高产品技术世代

EACOON Products Technology Generations

EACOON 1.0
空气、燃料 分级燃烧
Air and fuel staged combustionEACOON 2.0
烟气外循环(FGR)
Flue gas external circulationEACOON 3.0
强制性烟气内循环(FIR)
Forced flue gas internal circulation

To be continued.....

FIR技术特点:
FIR technology features

A、安全性高，故障率低

High safety and low failure rate

- FIR采用引射流均匀地在燃气中混合部分烟气，降低燃料浓度，进而降低燃烧温度以减少NOx生成。避免因FGR循环烟气量大局部含氧量过低引起的燃烧不稳定，导致脱火甚至爆燃等安全问题。

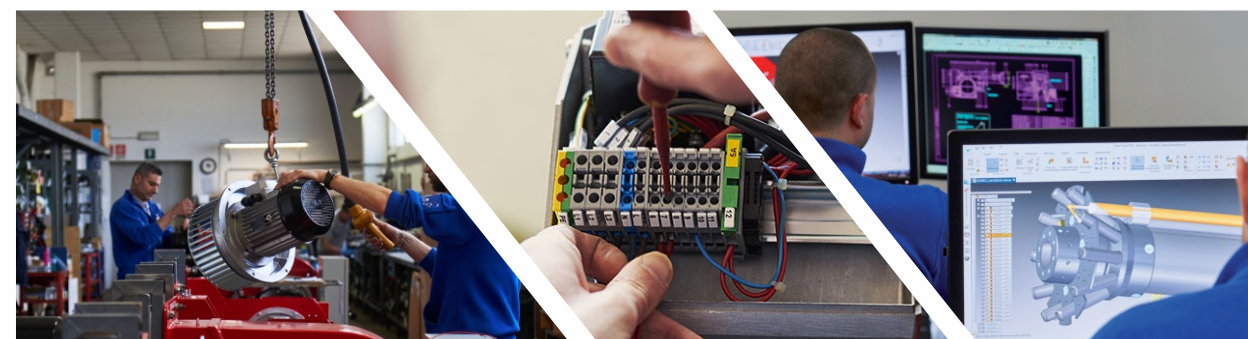
FIR uses jet flow to evenly mix a portion of flue gas in the gas, reducing fuel concentration and combustion temperature to reduce NOx generation. To avoid combustion instability caused by large amount of FGR circulating flue gas and local low oxygen content, leading to safety issues such as fire blow away and even deflagration.

- FGR循环烟气中含有大量燃烧产物水蒸气，故高温FGR循环烟气和空气混合低于露点温度时产生的冷凝水可能会造成燃烧器本体和管道腐蚀、火焰检测故障、点火枪故障等，FIR有效避免这部分问题的发生。冷凝水问题在高纬度北方地区尤为明显。

The FGR circulating flue gas contains a large amount of combustion product steam, so the mixture of high-temperature FGR circulating flue gas and air is lower than the dew point temperature. The condensed water generated during combustion may cause corrosion of the burner body and pipelines, flame detection faults, ignition gun faults, etc., FIR effectively avoids the occurrence of these issues. The problem of condensed water is particularly evident in high latitude northern regions.

- FIR管道简化管道系统和控制系统，减少故障点。

FIR pipeline simplifies pipeline systems and control systems, reducing fault points.



B、减少投入成本

Reduce investment costs

- FIR简化复杂的管道系统，减少安装材料，降低现场施工难度，减少安装工时，因而减少安装成本。

FIR simplifies complex pipeline systems, reduces installation materials, reduces on-site construction difficulty, reduces installation hours, and thus reduces installation costs.

- FIR燃烧器助燃风中不包含FGR烟气循环量，减小风道口径尺寸和风机规格，因而减少设备投入成本。

The combustion support air of the FIR burner does not include FGR flue gas circulation, reducing the size of the air duct diameter and fan specifications, thus reducing equipment investment costs.

- FIR调试难度低，减少需要的调试时间，即减少调试过程中的燃料消耗，因而减少调试成本。

The difficulty of FIR debugging is low, reducing the required debugging time, it means that reducing fuel consumption during the debugging process, thus reducing debugging costs.

C、减少运行成本

Reduce operating costs

- FIR技术不投入FGR循环烟气，避免这部分烟气的增加导致的锅炉阻力损失而引起的出力损失，减少燃料消耗量。
FIR technology does not invest in FGR circulating flue gas to avoid output loss caused by boiler resistance loss caused by the increase of this part of flue gas and reduce fuel consumption.
- FIR技术避免高温循环烟气在管道和燃烧器本体流道内产生的热量损失，减少燃料消耗量。
FIR technology avoids the heat loss generated by high-temperature circulating flue gas in the pipeline and flow channel of burner body, reducing fuel consumption.
- FIR技术无FGR烟气再循环量，减小风机风量，降低风机耗电量。
FIR technology has no FGR flue gas recirculation, reducing fan air volume and reducing fan power consumption.



D、减少维护成本

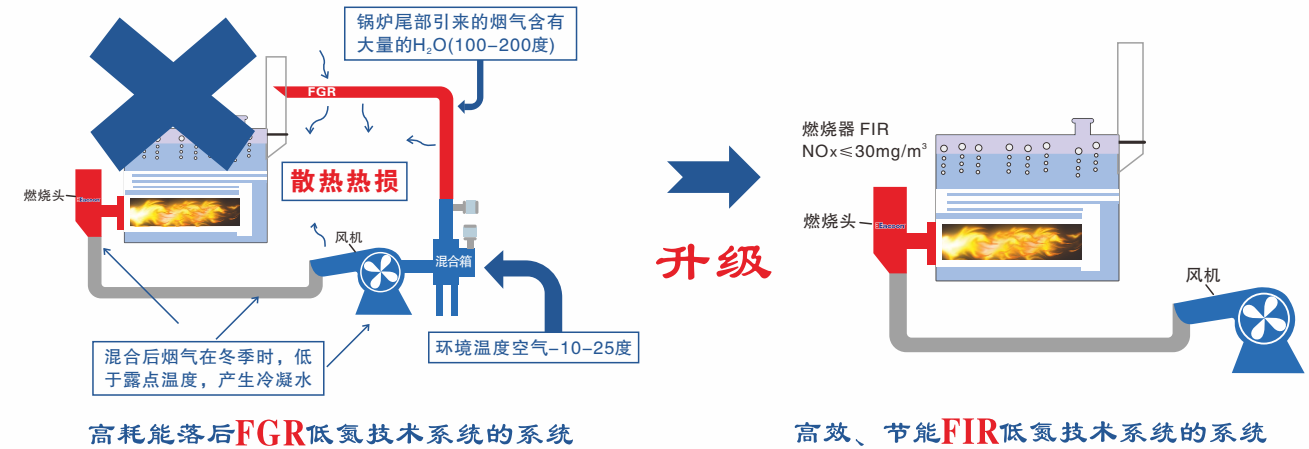
Reduce maintenance costs

- FIR技术简化复杂的管道系统和控制系统，减少故障发生几率，降低维护成本。
FIR technology simplifies complex pipeline and control systems, reduces the probability of faults and reduces maintenance costs.
- FIR技术解决冷凝水问题，避免因冷凝水造成的故障发生，降低维护成本。
FIR technology solves the problem of condensate water, avoids faults caused by condensate water, and reduces maintenance costs.
- 相比FGR，FIR技术可不投入FGR循环烟气，避免这部分烟气的增加导致的锅炉阻力损失而引起的出力损失，并避免高温循环烟气在管道和燃烧器本体流道内产生的热量损失。高温循环烟气和空气混合低于露点温度时产生的冷凝水可能会造成设备管道腐蚀、火焰检测故障等，FIR有效避免这部分问题的发生，并简化复杂的控制系统，减少现场施工难度，减少整个系统的故障点，减少维护成本。同时能避免因FGR循环烟气量大引起的燃烧不稳定。
Compared to FGR, FIR technology does not require the use of FGR circulating flue gas to avoid output loss caused by boiler resistance loss caused by the increase of this part of flue gas, and to avoid heat loss generated by high-temperature circulating flue gas in the pipeline and flow channel of burner body. The condensation water generated when the high-temperature circulating flue gas and air mix below the dew point temperature may cause equipment pipeline corrosion, flame detection failures, etc. FIR effectively avoids these problems, simplifies complex control systems, reduces on-site construction difficulty, reduces the fault points of the entire system, and reduces maintenance costs. At the same time, it can avoid combustion instability caused by the large amount of FGR circulating flue gas.

意高FIR燃烧器与FGR燃烧器优缺点对照

Comparison of advantages and disadvantages between Eacon FIR burner and FGR burner

项次 table list	FIR燃烧器 FIR burner	FGR燃烧器 FGR burner
烟气再循环量 fuel gas recirculate volume	0%	15–20%
NOx排放浓度 (@3.5%O ₂) Nox emission concentration (@3.5%O ₂)	<30mg/Nm ³	<30mg/Nm ³
无烟气循环时的NOx 排放浓度 (@3.5%O ₂) Nox emission concentration without flue gas circulation (@3.5%O ₂)	<30mg/Nm ³	<80mg/Nm ³
系统表面散热损失 System surface heat loss	无FGR高温管道散热损失 No heat loss of FGR high-temperature pipeline	有FGR高温管道散热损失 heat loss of FGR high-temperature pipeline
对锅炉效率的影响 Impact on boiler efficiency	不影响，无额外热损失 No Impact, no additional heat loss	因热损失和不稳定助燃风量，系统总效率降低1–3% Due to heat loss and unstable combustion support air volume, the total efficiency of the system is reduced by 1–3%
燃烧器和管道冷凝水生成 Burner and pipeline condensate water generation	无 No	有，来自烟气中的燃烧产物水蒸气 Yes, steam from combustion products in flue gas
燃烧器、管道和风机腐蚀 Burner/pipeline and fan corrosions	无 No	有 Yes
燃烧系统稳定性 Combustion system stability	高，系统较简单 High, system is simple	低，系统较复杂 Low, system is complex
设备故障率 Equipment fault rate	低 Low	高 High
对火焰检测器功能的影响 Impact on the function of flame detectors	无 No	有 Yes
对火检和点火装置的寿命的影响 Impact on the life of flame detection and ignition devices	无冷凝水的干扰 No interference from condensed water	有冷凝水的干扰，尤其在低温天气 Interference from condensed water, especially in low temperature weather
NOx排放受环境的影响 NOx emissions are affected by the environment	不影响 No influence	有影响，环境变化大时波动大 Influence, fluctuates greatly when the environment changes greatly
工程安装量和成本 Engineering installation quantity and cost	低，无FGR管道 Low, no FGR pipeline	高、有大管径FGR管道、阀门、保温层等 High, have big pipe of FGR pipeline, valve, insolation layer etc.
运行和维护成本 Operation and maintenance cost	低 Low	高 High

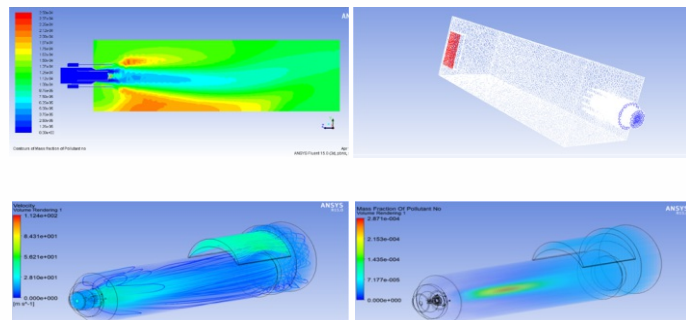


意高燃烧系统有限元仿真计算

Eacon combustion system finite element simulation calculation

燃烧有限元仿真技术是我公司领先于国内其他燃烧器厂家、保证我公司的个性化定制设计的一项先进技术，其利用计算机强大的计算功能，并结合计算流体动力学模拟出燃烧器及燃烧炉的运行情况(包括炉膛内的温度场、流场、火焰形状及燃烧产物等)。下面给出某项目中使用的燃烧器的主要过程。

Combustion finite element simulation technology is an advanced technology that our company leads other domestic burner manufacturers and ensures our personalized customized design. It utilizes the powerful computing functions of computers and combines computational fluid dynamics to simulate the operation of the burner and combustion furnace (including temperature field, flow field, flame shape, and combustion products in the furnace). Below is the main process of using a burner in one of project.

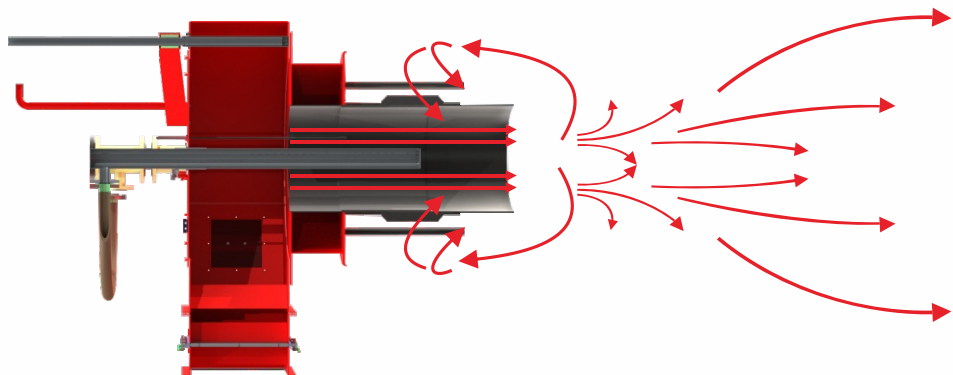


强制性烟气内循环FIR

Forced induced recirculation

从流道结构上分为燃气侧FIR和空气侧FIR，采用引射技术和文丘里管流体特性，进行特殊设计的燃烧头利用燃气和空气的喷射产生强烈的负压回流区，将烟气吸入，使烟气在燃烧器内循环混合。由于烟气混入，降低燃烧过程氧的浓度，降低燃烧温度，可大幅度减少热力型NOx的生成。NOx最小排放：<30mg/Nm³。

From flow channel structure, it is divided into gas side FIR and air side FIR. Using injection technology and Venturi tube fluid characteristics, the specially designed combustion head utilizes the injection of gas and air to create a strong negative pressure reflux zone, which sucks in the flue gas and circulates and mixes it in the burner. Due to the mixing of flue gas, reducing the concentration of oxygen during the combustion process and lowering the combustion temperature can significantly reduce the generation of thermal NOx. Minimum NOx emission:<30mg/Nm³。



T系列分体燃烧器

T series split burner

主要性能

Main performance

功率范围：3000 ~ 88000kW

超低排放：NOx最低<30mg/Nm³

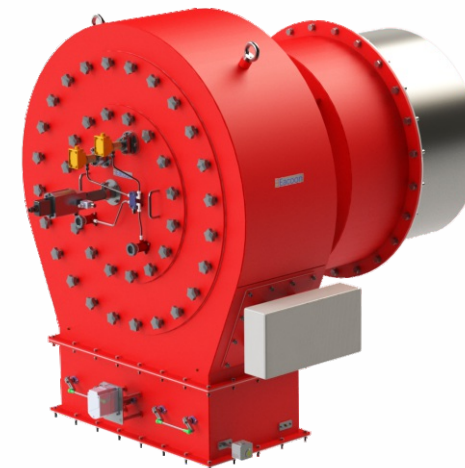
Power range: 3000 ~ 88000kW

Ultra-low emissions: NOx minimum<30mg/Nm³

产品特点

Product features

- * 火焰形状可调，炉膛适应性强
Adjustable flame shape and strong furnace adaptability
- * BMS燃烧管理系统PLC/程序控制器+电子比例调节
BMS combustion management system PLC/program controller + electronic proportional adjustment
- * 维护简便
Easy maintenance
- * 燃烧器压损较小
Low pressure loss of burner
- * 分体机可灵活选配风机，锅炉适应性强
The split machine can be flexibly equipped with fans, and the boiler has strong adaptability
- * 适用于20T ~ 100T锅炉或相同出力需求的应用环境
Suitable for application environments with 20T~100T boilers or similar output requirements



直燃型强制烟气内循环FIR

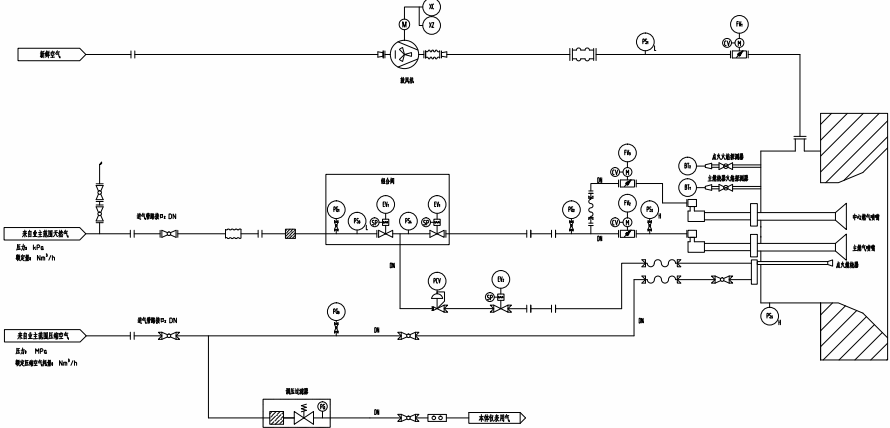
Direct combustion forced flue gas internal circulation FIR

燃烧器型号 Model	锅炉吨位 Boiler(t/h)	输出功率范围 Power range(kW)	阀组口径 Caliber	天然气供气压力 Gas pressure (kPa)	调节比 Rate	燃烧效率 Efficiency	Nox排放值 Nox emission (mg/Nm³)
TG-20-ME-TS-LF	20	3000-18000	DN125	45-60 kPa	1:6	99.9%	30
TG-25-ME-TS-LF	25	3667-22000	DN125	45-60 kPa	1:6	99.9%	30
TG-30-ME-TS-LF	30	4333-26000	DN125	45-60 kPa	1:6	99.9%	30
TG-35-ME-TS-LF	35	5000-30000	DN150	50-60 kPa	1:6	99.9%	30
TG-40-ME-TS-LF	40	5667-34000	DN150	50-60 kPa	1:6	99.9%	30
TG-45-ME-TS-LF	45	6500-39000	DN150	50-60 kPa	1:6	99.9%	30
TG-50-ME-TS-LF	50	7167-43000	DN150	50-60 kPa	1:6	99.9%	30
TG-60-ME-TS-LF	60	8833-53000	DN200	50-60 kPa	1:6	99.9%	30
TG-65-ME-TS-LF	65	9500-57000	DN200	50-60 kPa	1:6	99.9%	30
TG-70-ME-TS-LF	70	10333-62000	DN200	50-60 kPa	1:6	99.9%	30
TG-80-ME-TS-LF	80	11833-71000	DN200	0.2-0.25 Mpa	1:6	99.9%	30
TG-90-ME-TS-LF	90	13333-80000	DN200	0.2-0.25 Mpa	1:6	99.9%	30
TG-100-ME-TS-LF	100	14667-88000	DN250	0.2-0.25 Mpa	1:6	99.9%	30

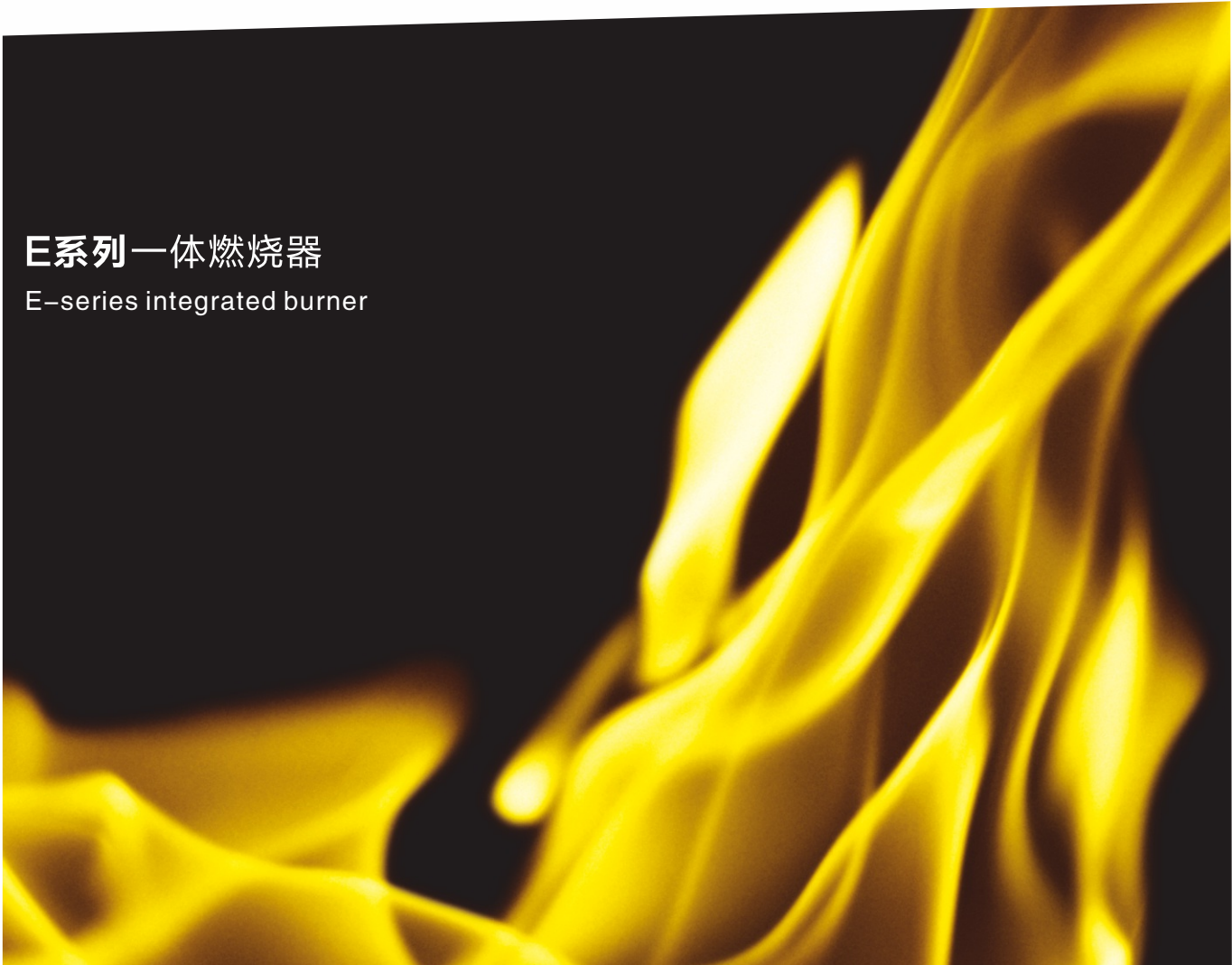
备注(Note) :
表中数据不断改进优化，实际数据以随机说明书为准。
The data in the table is continuously improved and optimized, and the actual data is based on the instruction manual.

系统工艺图(FIR)

System PI diagram



注：图中未标识出供货范围界限，且因产品优化可能进行变更，最终以项目合同为准。



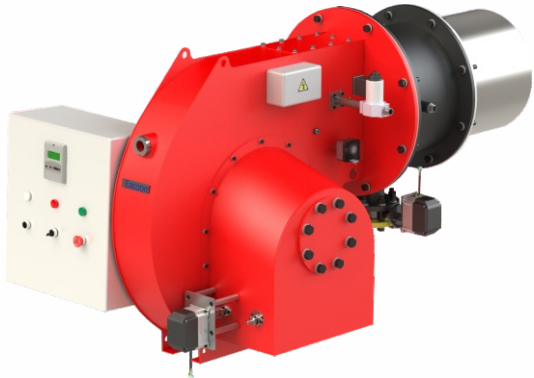
E系列一体燃烧器

E-series integrated burner

主要性能

Main performance

功率范围：167 ~ 13700kW
超低排放：NOx最低<30mg/Nm³
Power range: 167 ~ 13700kW
Ultra-low emissions: NOxminimum<30mg/Nm³



产品特点

Product features

- * 燃烧效率高
High combustion efficiency
- * 安装简便
Easy to install
- * 一体机自带风机，结构紧凑，体积小
The monobloc machine comes with a fan, which is compact in structure and small in size
- * 适用于1T ~ 15T锅炉或相同出力需求的应用环境
Suitable for application environments with 1T to 15T boilers or similar output requirements

直燃型强制烟气内循环FIR

Direct combustion forced flue gas internal circulation FIR

燃烧器型号 Model	锅炉吨位 Boiler(t/h)	输出功率范围 Power range(kW)	阀组口径 Caliber	天然气供气压力 Gas pressure (kPa)	调节比 Rate	燃烧效率 Efficiency	Nox排放值 Nox emission (mg/Nm³)
EG-100-ME-LF	1	167-1000	RP 2"	15-30	1:6	99.9%	30
EG-150-ME-LF	1.5	242-1450	RP 2"	15-30	1:6	99.9%	30
EG-200-ME-LF	2	317-1900	RP 2"	15-30	1:6	99.9%	30
EG-300-ME-LF	3	475-2850	RP 2"	15-30	1:6	99.9%	30
EG-400-ME-LF	4	633-3800	RP 2"	15-30	1:6	99.9%	30
EG-600-ME-LF	6	933-5600	DN65	25-35	1:6	99.9%	30
EG-800-ME-LF	8	1242-7450	DN80	35-50	1:6	99.9%	30
EG-1000-ME-LF	10	1550-9300	DN80	35-50	1:6	99.9%	30
EG-1200-ME-LF	12	1867-11200	DN80	35-50	1:6	99.9%	30
EG-1500-ME-LF	15	2283-13700	DN100	35-50	1:6	99.9%	30

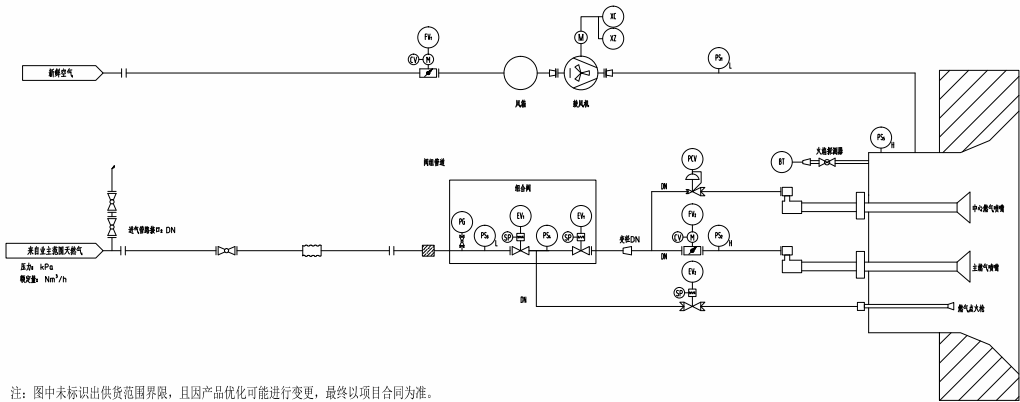
备注(Remarks):

表中数据不断改进优化，实际数据以随机说明书为准；
The data in the table is continuously improved and optimized, and the actual data is based on the instruction manual;

锅炉吨位和燃烧器型号的对应仅供参考，实际选型应考虑锅炉出力、效率及炉膛背压。
The correspondence between boiler output and burner model is for reference only, and actual selection should consider boiler output, efficiency, and furnace back pressure.

系统工艺图(FIR)

System PID (Piping &Instrument Diagram)



注：图中未标识出供货范围界限，且因产品优化可能进行变更，最终以项目合同为准。



E系列 分体燃烧器

E-series split burner

主要性能

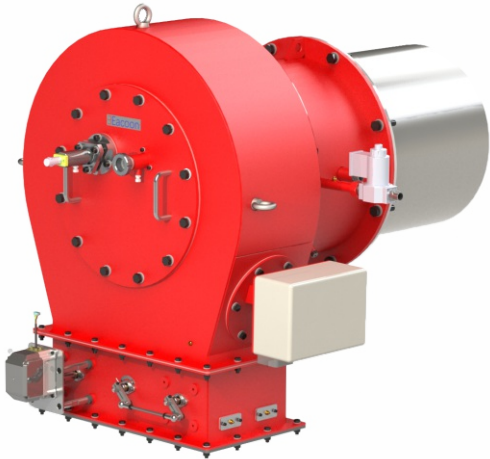
Main performance

功率范围：317 ~ 18000kW
超低排放：NOx最低<30mg/Nm³
Power range: 317 ~ 18000kW
Ultra-low emissions: NOx minimum<30mg/Nm³

产品特点

Product features

- * 抗背压能力强
Strong resistance to back pressure
- * 维护成本低
Low maintenance costs
- * 分体机可灵活选配风机,锅炉适应性强
The split machine can be flexibly equipped with fans, and the boiler has strong adaptability
- * 适用于2T ~ 20T锅炉或相同出力需求的应用环境
Suitable for application environments with 2T~20T boilers or similar output requirements



直燃型强制烟气内循环FIR

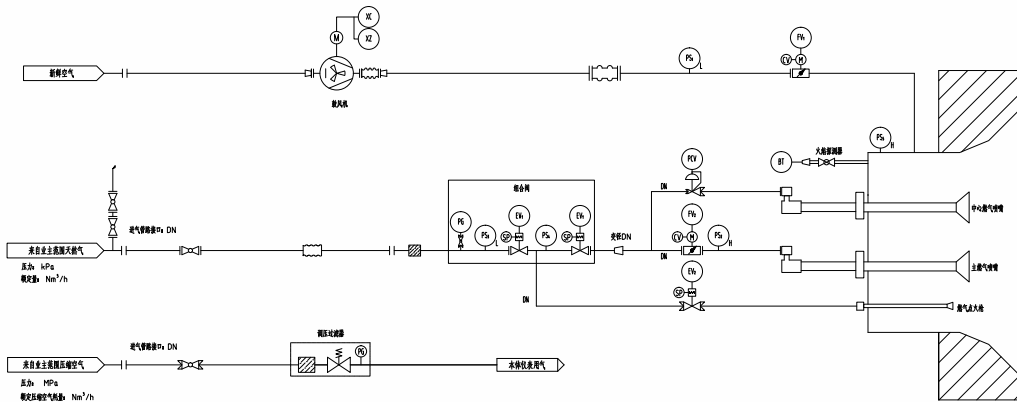
Direct combustion forced flue gas internal circulation FIR

燃烧器型号 Model	锅炉吨位 Boiler(t/h)	输出功率范围 Power range(kW)	阀组口径 Caliber	天然气供气压力 Gas pressure (kPa)	调节比 Rate	燃烧效率 Efficiency	Nox排放值 Nox emission (mg/Nm³)
EG-200-ME-TS-LF	2	317-1900	RP 2"	15-30	1:6	99.9%	30
EG-300-ME-TS-LF	3	475-2850	RP 2"	15-30	1:6	99.9%	30
EG-400-ME-TS-LF	4	633-3800	RP 2"	15-30	1:6	99.9%	30
EG-500-ME-TS-LF	5	775-4650	DN65	20-35	1:6	99.9%	30
EG-600-ME-TS-LF	6	933-5600	DN65	25-35	1:6	99.9%	30
EG-800-ME-TS-LF	8	1242-7450	DN80	35-50	1:6	99.9%	30
EG-1000-ME-TS-LF	10	1550-9300	DN80	35-50	1:6	99.9%	30
EG-1200-ME-TS-LF	12	1867-11200	DN80	35-50	1:6	99.9%	30
EG-1500-ME-TS-LF	15	2283-13700	DN100	35-50	1:6	99.9%	30
EG-1800-ME-TS-LF	18	2750-16500	DN100	35-50	1:6	99.9%	30
EG-2000-ME-TS-LF	20	3000-18000	DN125	45-60	1:6	99.9%	30

备注(Note):
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The data in the table is continuously improved and optimized, and the actual data is based on the instruction manual.

系统工艺图(FIR)

System PI diagram



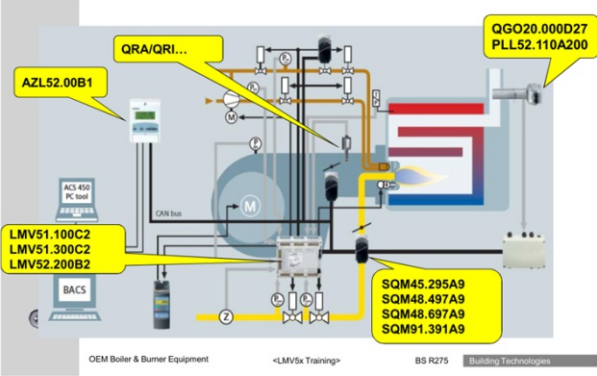
注：图中未标识出供货范围界限，且因产品优化可能进行变更，最终以项目合同为准。

专业、成熟的成套燃烧器系统，包含程序控制器、点火装置、火焰监测装置、燃气安全切断阀组、燃气调节阀、过滤器、燃气压力监测装置、空气压力监测装置等。

A professional and mature full set of burner system, including program controller, ignition device, flame monitoring device, gas safety shut-off valve group, gas regulating valve, filter, gas pressure monitoring device, air pressure monitoring device, etc.

燃烧器BMS系统（燃烧管理系统）采用通过国际TüV试验和认证的专用SIEMENS燃烧器程序控制器，拥有最先进和符合安全规范的计算模型和程序，是世界公认的最安全可靠、最先进的专用燃烧系统。该系统实现燃烧的最优化调节，自动负荷调节、自动停炉、熄火保护、自动化管理、燃烧监测等功能。采用便于操作人员使用的数字显示系统和按键输入，可最大安全化防止误操作。该系统包含燃烧自动程序控制功能，并具有手动/自动/远程切换功能，方便就地手动、自动及上位远传监控，并有O₂/CO控制可选。

Burner BMS system (combustion management system)Adopting a dedicated SIEMENS burner program controller that has passed international TUV testing and certification, with the most advanced and safety compliant calculation models and programs, it is recognized as the safest, reliable, and most advanced dedicated combustion system in the world. This system achieves optimal combustion regulation, automatic load regulation, automatic shutdown, flameout protection, automatic management, combustion monitoring, and other functions. Adopting a digital display system and button input that is easy for operators to use can maximize safety and prevent mis-operation. This system includes automatic combustion program control function and has manual/automatic/remote switching function, which is convenient for local manual, automatic, and upper remote monitoring, and has O₂/CO control options.



程序控制器
Program controller



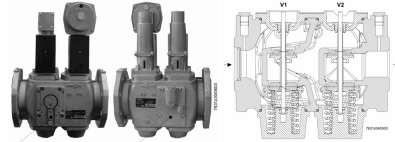
阀门管道组合
Valve piping assembly



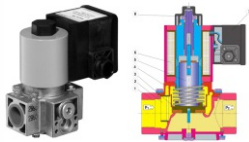
压力开关
Pressure switch



燃气过滤器
Gas filter



安全电磁阀组
Safety solenoid valve group



点火阀
Ignition valve



点火变压器和点火电极
Ignition transformer and ignition electrode

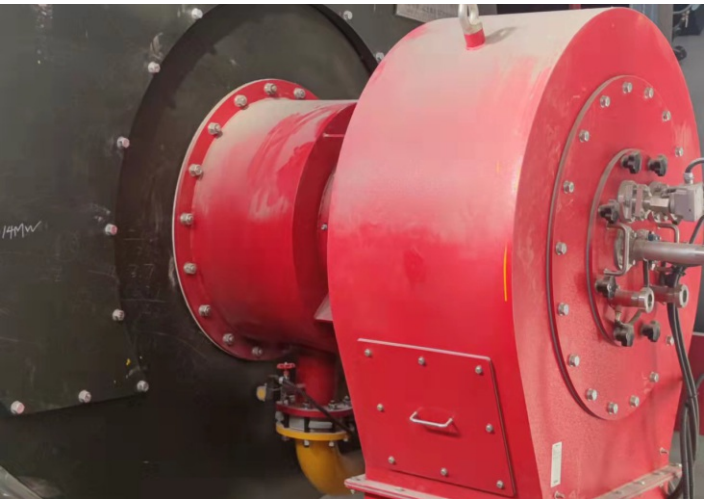
进口燃烧行业专业定制风机，顶尖的研发和制造能，为FIR燃烧器提供足够强劲的压力参数
Imported Professional customized fans in the combustion industry, with the top research and developing and manufacturing capabilities, provide strong pressure parameters for FIR burners



大型机案例
Project cases of large output burners



荣誉证书
Certificate of Honor



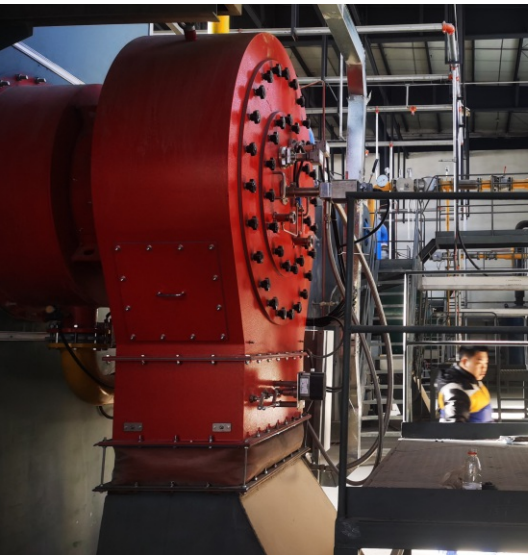
新疆红光环保科技有限公司两台20吨项目
Xinjiang Hongguang Environmental Protection
Technology Co., Ltd 2 sets of 20 tons



新疆红光环保科技有限公司两台TG-40-E-TS-L项目
Xinjiang Hongguang Environmental Protection
Technology Co., Ltd 2 sets of 40 tons



新疆天源热力配意高3台40吨FIR燃烧器项目
Xinjiang Tianyuan Thermal Power Distribution Co., Ltd.
3 sets of 40 tons FIR burners project



新疆阿克苏40吨项目
Xinjiang Aksu 40 ton

大型机案例
Big size equipment project



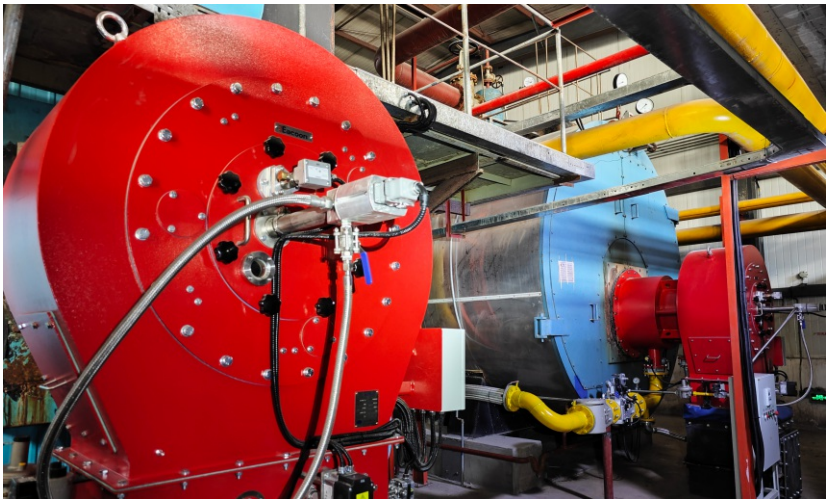
飞源化工80吨项目
Feiyuan Chemical
80 tons



江联重工，100吨锅炉项目配套
2台60吨燃烧器
Jianglian Heavy Industry's
100 t/h boiler project is equipped with
2 sets of 60 tons



天津旻昊中安信科技项目3台25
吨超低氮30毫克燃烧器改造项目
Anxin Technology Project, in Minwuzhong,
Tianjin, 3 sets of 25 tons ultra-low nitrogen 30
mg/Nm3 burner renovation project



新疆绿翔天源热力有限责任公司军区总医院
两台20吨低氮改造项目
2 sets of 20 tons projectsin Urumqi, Xinjiang



新疆绿天源热力有限责任公司奎愉热力
4台50吨低氮改造项目
4 sets of 50 tons projectsin Urumqi, Xinjiang



济矿民生热能两台50吨项目
Jikuang Minsheng Thermal Energy 2 sets of 50 tons



山东省烟台市大展纸业2台20吨
Dazhan Paper Industry in Yantai City,
Shandong Province, 2 sets of 20 tons



汇达热力某站4台40吨
4 sets of 40 tons, Tianjin Huida ReliJituan

小型一体机案例
Project case of small output integrated burner



汇达热力某站1台40吨 2台10吨
Tianjin Wuqing Huida heat 1 set of 40 tons,
2 sets of 10 tons



汇达热力某站40吨
Tianjin Huida-heat supply station 1 set of 40 tons



兰州市城关区创意文化产业园2台4吨项目
Lanzhou Creative Culture IndustrialPark, Duanjiatan,
Chengguan District,Lanzhou City, 2 sets of 4 tons



兰州市城关区西关小区2台4吨项目
Xiguan Community, ChengguanDistrict,
Lanzhou City, 2 sets of 4tons



汇达热力某站1台20吨项目
Tianjin Huida heat supply station
1 set of 20 tons



汇达热力某站4台40吨项目
Tianjin Huida- heat supply station 4 sets of 40 tons



兰州格林庭院小区6台4吨项目
Lanzhou Green Courtyard Community
6 set of 4 tons



兰州市城关区段家滩兰州创意
文化产业园2台4吨项目
Lanzhou Creative Culture Industrial Park,
Duanjiatan, Chengguan District, Lanzhou
City, 2 sets of 4 tons

小型机案例
Project cases of small split burner



兰州城投五一馨苑2区2台10吨项目
Wuyi Xinyuan Zone 2, Chengtou district,
Lanzhou, 2 sets of 10 tons



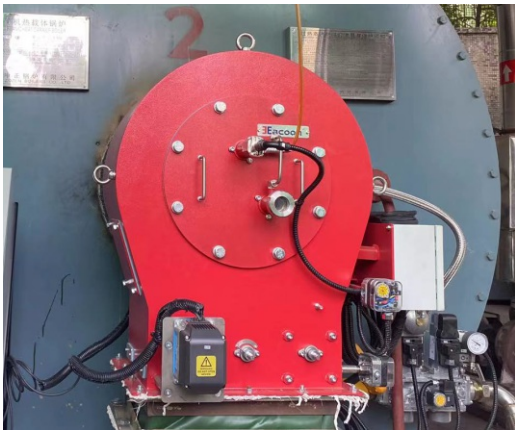
兰州某小区两台10吨项目
2 sets of 10 tons projects in a
residential area in Lanzhou



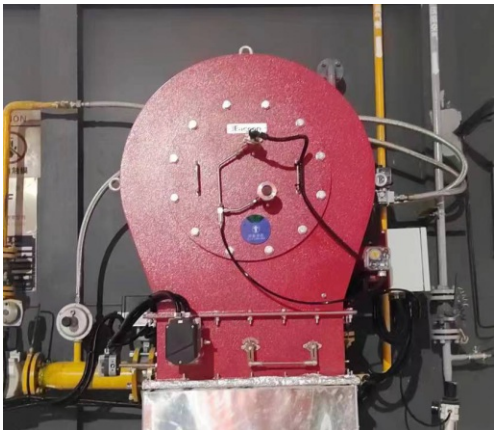
山东华泽纺织科技有限公司
两台12吨一体机项目
Wuyi Xinyuan Zone 2, Chengtou district,
Lanzhou, 2 sets of 10 tons



山东瀛洋香精香料有限公司3吨项目
Shandong Huaze Textile Technology Co., Ltd,
2 sets of 12 tons integrated equipment



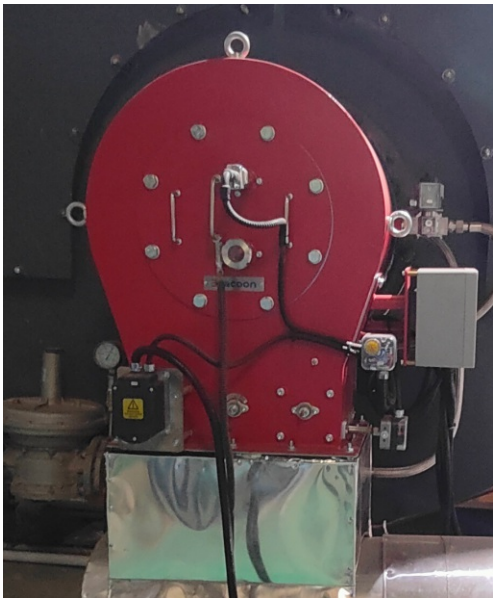
东莞市恒发4吨分体机项目
Dongguan Hengfa 4 tons
Splitequipment project



东莞擎天材料8吨分体机热风型
Dongguan Qingtian Materials
8 tons hot wind project



东莞百进五金塑料有限公司4吨分体机
Dongguan Baijin Hardware and
Plastic Co.,Ltd. 4 tons project



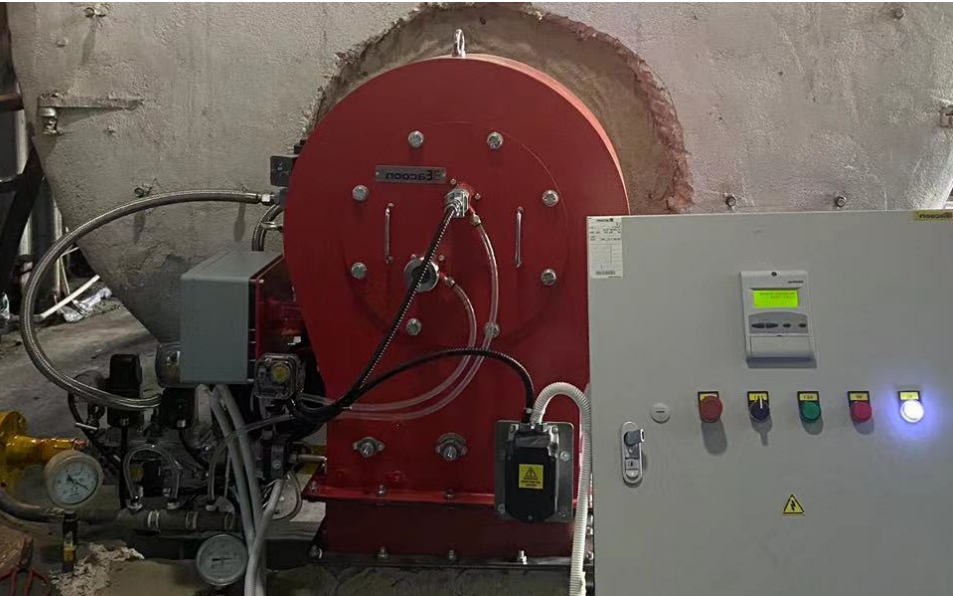
东莞泰达包装制品有限公司
8吨分体机项目



广东子延盛科技有限公司3吨分体机
Guangdong Ziyansheng Technology Co., LTD.
3 tons split burner

意高大型超低氮燃烧器业绩表
Eacon large output ultra-low nitrogen burners performance achievements

序号 No.	公司名称 Company name	项目介绍 Project content	实施地点 Location
1	泰山集团股份有限公司 Taishan Group Co., Ltd	2台20吨项目 2 sets of 20 tons	山东 Shandong
2	杭州华源前线能源设备有限公司 Hangzhou Huayuan Runpaq Energy Equipment Co., LTD	1台50吨项目 1 set of 50 tons	广州 Guangzhou
3	新疆绿翔西部锅炉容器制造有限公司-新疆草湖项目 Xinjiang Lvxiang West Boiler and Container Manufacturing Co., LTD. -Xinjiang Caohu Project	4台50吨项目 4 sets of 50 tons	新疆 Xinjiang
4	新疆绿翔天源热力有限责任公司-新疆乌鲁木齐项目 Xinjiang Lvxiang Tianyuan Thermal Power Co., Ltd. -Xinjiang Urumqi Project	4台50吨, 2台20吨项目 4 sets of 50 tons, 2 units of 20 tons	新疆 Xinjiang
5	新疆绿翔西部锅炉容器制造有限公司-新疆阿拉尔项目 Xinjiang Lvxiang West Boiler and Container Manufacturing Co., Ltd. -Xinjiang Alar Project	1台40, 2台65吨, 2台50吨项目 1 set of 40 tons, 2 sets of 65 tons, 2 sets of 50 tons	新疆 Xinjiang
6	意高拓优能源科技(江苏)有限公司-华源前线滁州项目 Eacon Tuoyou Energy Technology (Jiangsu) Co., LTD. -Huayuan Runpaq Chuzhou Project	1台20吨项目 1 set of 20 tons	安徽省 Anhui Province
7	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台20吨项目 1 set of 20 tons	宁夏 Ningxia
8	意高拓优能源科技（江苏）有限公司 Eacon Tuoyou Energy Technology (Jiangsu) Co., LTD.	1台20吨项目 1 set of 20 tons	安徽省 Anhui Province
9	哈尔滨团结锅炉集团有限公司 Harbin Tuanjie Boiler Group Co., LTD	3台40吨项目 3 sets of 40 tons	兰州 Lanzhou
10	无锡捷砺 Wuxi Jieli	1台30吨项目 1 set of 30 tons	山东 Shandong
11	陕西仁和-兰州项目 Shanxi Renhe-Lanzhou Project	1台30吨项目 1 set of 30 tons	兰州 Lanzhou
12	山东益通-新疆伊犁项目 Shandong Yitong-Xinjiang Yili Project	2台65吨项目 2 sets of 65 tons	新疆伊犁 Yili, Xinjiang
13	无锡捷砺-安徽项目 Wuxi Jieli-Anhui project	1台60吨项目 1 set of 60 tons	安徽 Anhui
14	天津汇达-二号供热站 Tianjin Huida-No.2 heat supply station	4台40吨, 1台20吨项目 4 sets of 40 tons, 1 set of 20 tons	天津 Tianjin
15	天津汇达-静湖供热站 Tianjin Huida-Jinghu heat Supply Station	5台40吨,1台20吨项目 5 sets of 40 tons, 1 set of 20 tons	天津 Tianjin
16	天津汇达-一号供热站 Tianjin Huida-No.1 Heating Station	1台40吨 2台10吨 1 set 40 tons 2 sets 10 tons	天津 Tianjin
17	济南特富-济矿民生热能 Jinan Tefu- Jikuang Minsheng Thermal Energy	2台50吨FIR超低氮30mg项目 2 sets 50 tons	山东 Shandong
18	方快锅炉-大展纸业 Fangkuai boiler-Dazhan Paper industry	2台20吨项目 2 sets 20 tons	山东 Shandong
19	济南特富-泰安联合化工 Jinan Tefu-Tai'an United Chemical Industry	1台50吨项目 1 set of 50 tons	山东 Shandong
20	江联重工-河北三川化工 Jjianglian Heavy Industry-Hebei Sanchuan Chemical Industry	100吨（2台60吨）项目 100 tons (2 sets of 60 tons)	河北 Hebei
21	方快锅炉-汇达热力 Fangkuai boiler-Huida heat	1台40吨项目 1 set of 40 tons	天津 Tianjin
22	新疆红光-阿拉尔市大学城 Xinjiang Hongguang-Alar City University Town	2台20吨项目 2 sets of 20 tons	新疆 Xinjiang



肇庆四会市益健食品饮料有限公司一台4吨分体机项目
Zhaoqing Sihui Yijian Food and Beverage Co., LTD.
a set of 4 tons split burner



淄博胜炼化工6吨项目
Shenglian Chemical, Zibo,
6 tons project



广东甘竹罐头有限公司2吨项目
Guangdong Ganzhu Canning Co., Ltd.
1 set of 2 tons project



广东甘竹罐头有限公司8吨项目
Guangdong Ganzhu Canning Co., Ltd.
1 set of 8 tons project



广东甘竹罐头有限公司6吨项目
Guangdong Ganzhu Canning Co., Ltd.
1 set of 6 tons project

序号 No.	公司名称 Company name	项目介绍 Project content	实施地点 Location
23	泰山集团—淄博飞源化工 Taishan Group--Zibo Feiyuan Chemical Industry	1台80吨项目 1 set of 80 tons	山东 Shandong
24	新疆红光—新疆阿克苏项目 Xinjiang Hongguang--Xinjiang Aksu Project	3台40吨项目 3 sets of 40 tons	阿克苏 Aksu
25	天津市北方建华机电设备有限公司 Tianjin North Jianhua Mechanical and Electrical Equipment Co., LTD	1台40吨项目 1 set of 40 tons	天津 Tianjin
26	新疆天源热力有限责任公司 Xinjiang Tianyuan Heating Co., LTD	3台40吨项目 3 sets of 40 tons	新疆 Xinjiang
27	山东四方实业有限公司—淄博飞源化工 Shandong Sifang Industrial Co., Ltd. -Zibo Feiyuan Chemical Industry	1台35吨项目 1 set of 35 tons	山东淄博 Zibo, Shandong
26	天津市旻昊锅炉—河北廊坊项目 Tianjin Minhao Boiler--Langfang Project, Hebei Province	3台25吨项目 3 sets of 25 tons	河北省廊坊 Langfang, Hebei Province

小型机业绩
Small output performance achievement

序号 No.	公司名称 Company name	项目介绍 Project content
1	湛江市劲锅锅炉有限公司 Zhanjiang Jinguo Boiler Co., LTD	1台4吨项目 1 set of 4 tons
2	武汉泰邦热能设备有限公司 Wuhan Taibang Thermal Energy Equipment Co., LTD	1台4吨项目 1 set of 4 tons
3	无锡安明环境科技有限公司 Wuxi Anming Environmental Technology Co., LTD	1台6吨项目 1 set of 6 tons
4	广州雨润肉类食品有限公司 Guangzhou Yurun group Co., LTD	1台4吨项目 1 set of 4 tons
5	佛山市杰诚特种设备安装工程 有限公司 Foshan Jiecheng Special Equipment Installation Engineering Co., LTD	1台4吨项目 1 set of 4 tons
6	海南意高科技有限公司 Hainan Eacon technology Co., Ltd	1台8吨，1台4吨，2台3吨项目 1 set of 8 tons, 1 set of 4 tons, 1 set of 2 tons
7	佛山市杰诚特种设备安装工程 有限公司 Foshan Jiecheng Special Equipment Installation Engineering Co., LTD	1台2吨项目 1 set of 2 tons
8	济南锡能热能科技有限公司 Jinan Xineng Thermal Energy Technology Co., LTD.	1台15吨项目 1 set of 15 tons
9	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台3吨项目 1 set of 3 tons
10	东莞市恒发节能科技有限公司 Dongguan Hengfa Energy Saving Technology Co., LTD	1台4吨项目 1 set of 4 tons
11	海南意高科技有限公司 Hainan Eacon technology Co., Ltd	1台6吨项目 1 set of 6 tons
12	意高拓优能源科技（江苏）有限公司 Eacon Tuoyou Energy Technology (Jiangsu) Co., LTD	1台2吨，1台4吨项目 1 set of 2 tons, 1 set of 4 tons
13	海南意高科技有限公司 Hainan Eacon technology Co., Ltd	2台3吨项目 2 sets of 3 tons

序号 No.	公司名称 Company name	项目介绍 Project content
14	武汉市新荣锅炉制造有限公司 Wuhan Xinrong Boiler Manufacturing Co., LTD	1台4吨项目 1 set of 4 tons
15	北京中科传能环保技术有限公司 Beijing Zhongke Chuanneng Environmental Protection Technology Co., LTD	2台10吨项目 2 sets of 10 tons
16	海南意高科技有限公司 Hainan Eacon technology Co., Ltd	1台4吨，1台2吨项目 1 set of 4 tons, 1 set of 2 tons
17	东莞市莞龙节能科技有限公司 Dongguan Wanlong Energy Saving Technology Co., LTD	1台3吨项目 1 set of 3 tons
18	山东力江环保有限公司 Shandong Lijiang Environmental Protection Co., LTD	1台8吨，1台10吨项目 1 set of 8 tons, 1 set of 10 tons
19	济南锡能热能科技有限公司 Jinan Xineng Thermal Energy Technology Co., LTD	1台10吨项目 1 set of 10 tons
20	浙江特富发展股份有限公司 Zhejiang Tefu Development Co., Ltd	2台12吨项目 2 sets of 12 tons
21	湛江市劲锅锅炉有限公司 Zhanjiang Jinguo Boiler Co., LTD	1台4吨项目 1 set of 4 tons
22	无锡安明环境科技有限公司 Wuxi Anming Environmental Technology Co., LTD	1台12吨项目 1 set of 12 tons
23	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台6吨项目 1 set of 6 tons
24	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	2台6吨，1台3吨项目 2 sets of 6 tons, 1 set of 3 tons
25	南京赛安机电科技有限公司 Nanjing Saian Mechanical and Electrical Technology Co., LTD	1台2吨项目 1 set of 2 tons
26	湛江市劲锅锅炉有限公司 Zhanjiang Jinguo Boiler Co., LTD	1台4吨项目 1 set of 4 tons
27	广州市蕙诺机电设备有限公司 Guangzhou Guiyang Electromechanical Equipment Co., LTD	1台2吨项目 1 set of 2 tons
28	意高拓优能源科技（江苏）有限公司 Eacon Tuoyou Energy Technology (Jiangsu) Co., LTD	1台12吨项目 1 set of 12 tons
29	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台3吨项目 1 set of 3 tons
30	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	2台4吨项目 2 sets of 4 tons
31	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	1台8吨项目 1 set of 8 tons
32	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	1台2吨项目 1 set of 2 tons
33	广东力聚节能技术有限公司 Guangdong Liju Energy-saving Technology Co., LTD	1台10吨项目 1 set of 10 tons
34	海南意高科技有限公司 Hainan Eacon technology Co., Ltd	1台6吨项目 1 set of 6 tons
35	天津市光正冷暖设备工程有限公司 Tianjin Guangzheng Heating and cooling Equipment Engineering Co., LTD	1台4吨项目 1 set of 4 tons
36	湛江市劲锅锅炉有限公司 Zhanjiang Jinguo Boiler Co., LTD	1台2吨项目 1 set of 2 tons
37	天津市光正冷暖设备工程有限公司 TianjinGuangzhengHeatingandcoolingEquipmentEngineeringCo.,LTD	1台10吨项目 1 set of 10 tons
38	广东力聚节能技术有限公司 Guangdong Liju Energy-saving Technology Co., LTD	1台8吨项目 1 set of 8 tons
39	湛江市劲锅锅炉有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	2台2吨项目 2 sets of 2 tons

序号 No.	公司名称 Company name	项目介绍 Project content
39	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	2台2吨项目 2 sets of 2 tons
40	湛江市劲锅锅炉有限公司 Zhanjiang Jinguo Boiler Co., LTD	1台4吨项目 1 set of 4 tons
41	意高拓优能源科技（江苏）有限公司 Eacon Tuoyou Energy Technology (Jiangsu) Co., LTD	1台2吨项目 1 set of 2 tons
42	佛山市太平永田锅炉有限公司 Foshan Taiping Yongtian Boiler Co., LTD	1台10吨项目 1 set of 10 tons
43	新疆蓝海新能源有限公司 Xinjiang Blue Ocean New Energy Co., Ltd	2台8吨，3台10吨项目 2 sets of 8 tons, 3 sets of 10 tons
44	新疆蓝海新能源有限公司 Xinjiang Blue Ocean New Energy Co., Ltd	1台4吨，3台10吨项目 1 set of 4 tons, 3 sets of 10 tons
45	广州天鹿能源科技有限公司 Guangzhou Tianlu Energy Technology Co., LTD	1台6吨项目 1 set of 6 tons
46	吉林省明辰机电设备有限公司 Jilin Mingchen Mechanical and Electrical Equipment Co., LTD	1台20吨项目 1 set of 20 tons
47	陕西仁和智能控制有限公司 Shaanxi Renhe Intelligent Control Co., LTD	1台2吨，2台3吨，2台8吨 1 set of 2 tons, 2 sets of 3 tons, 2 sets of 8 tons
48	武汉市新荣锅炉制造有限公司 Wuhan Xinrong Boiler Manufacturing Co., LTD	2台4吨项目 2 sets of 4 tons
49	泰山集团股份有限公司 Taishan Group Co., Ltd	1台4吨项目 1 set of 4 tons
50	海南意高科技有限公司 Hainan Eacon technology Co., Ltd	2台6吨项目 2 sets of 6 tons
51	海南意高科技有限公司 Hainan Eacon technology Co., Ltd	1台2吨项目 1 set of 2 tons
52	意高拓优能源科技（江苏）有限公司 Eacon Tuoyou Energy Technology (Jiangsu) Co., LTD	1台3吨项目 1 set of 3 tons
53	无锡安明环境科技有限公司 Wuxi Anming Environmental Technology Co., LTD	1台15吨项目 1 set of 15 tons
54	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	2台2吨项目 2 sets of 2 tons
55	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台6吨，1台10吨项目 1 set of 6 tons, 1 set of 10 tons
56	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台2吨项目 1 set of 2 tons
57	广东力聚节能技术有限公司 Guangdong Liju Energy-saving Technology Co., LTD	1台8吨项目 1 set of 8 tons
58	泰山集团股份有限公司 Taishan Group Co., Ltd	2台10吨项目 2 sets of 10 tons
59	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	2台4吨项目 2 sets of 4 tons
60	东莞市莞龙节能科技有限公司 Dongguan Wanlong Energy Saving Technology Co., LTD	2台4吨项目 2 sets of 4 tons
61	广东力聚节能技术有限公司 Guangdong Liju Energy-saving Technology Co., LTD	2台6吨项目 2 sets of 6 tons
62	山东大鲁阁织染工业有限公司 Shandong Daluge Weaving and Dyeing Industry Co., Ltd	1台2吨项目 1 set of 2 tons
63	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台2吨项目 1 set of 2 tons
64	广州灿瑞热能设备有限公司 Guangzhou Canrui Thermal Energy Equipment Co., LTD	1台2吨，1台4吨项目 1 set of 2 tons, 1 set of 4 tons

序号 No.	公司名称 Company name	项目介绍 Project content
65	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台2吨项目 1 set of 2 tons
66	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台2吨项目 1 set of 2 tons
67	广东力聚节能技术有限公司 Guangdong Liju Energy-saving Technology Co., LTD	2台8吨项目 2 sets of 8 tons
68	海南意高科技有限公司 Hainan Eacon Technology Co., Ltd	1台2吨项目 1 set of 2 tons
69	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	4台2吨项目 4 sets of 2 tons
70	无锡安明环境科技有限公司 Wuxi Anming Environmental Technology Co., LTD	1台12吨项目 1 set of 12 tons
71	广州市宝佳能源科技有限公司 Guangzhou Baojia Energy Technology Co., LTD	1台4吨项目 1 set of 4 tons
72	济南锡能热能科技有限公司 Jinan Xineng Thermal Energy Technology Co., LTD	1台6吨项目 1 set of 6 tons
73	泰山集团股份有限公司 Taishan Group Co., Ltd	1台15吨项目 1 set of 15 tons
74	江门市法来力锅炉有限公司 Jiangmen Falaili Boiler Co., LTD	1台4吨项目 1 set of 4 tons
75	东莞市东生能源科技有限公司 Dongguan Dongsheng Energy Technology Co., LTD	3台2吨项目 3 sets of 2 tons
76	武汉鸿仕达热能设备有限公司 Wuhan Hongshida Thermal Energy Equipment Co., LTD	2台6吨，1台10吨项目 2 sets of 6 tons, 1 set of 10 tons
77	广东力聚节能技术有限公司 Guangdong Liju Energy-saving Technology Co., LTD	2台6吨项目 2 sets of 6 tons
78	青岛海钨能源科技有限公司 Qingdao Haikun Energy Technology Co., LTD	1台4吨项目 1 set of 4 tons
79	佛山市太平永田锅炉有限公司 Foshan Taiping Yongtian Boiler Co., LTD	1台4吨项目 1 set of 4 tons
80	广州市宝佳能源科技有限公司 Guangzhou Baojia Energy Technology Co., LTD	1台4吨项目 1 set of 4 tons
81	方快锅炉有限公司 Fangkuai Boiler Co., Ltd	1台20吨项目 1 set of 20 tons
82	河北佰德热力设备工程技术有限公司 Hebei Baide Thermal Equipment Engineering Technology Co., LTD	1台10吨项目 1 set of 10 tons
83	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	1台3吨项目 1 set of 3 tons
84	广州市宝佳能源科技有限公司 Guangzhou Baojia Energy Technology Co., LTD	1台4吨项目 1 set of 4 tons
85	武汉泰邦热能设备有限公司 Wuhan Taibang Thermal Energy Equipment Co., LTD	1台2吨项目 1 set of 2 tons
86	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	4台15吨项目 4 sets of 15 tons
87	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	1台6吨项目 1 set of 6 tons
88	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	2台8吨项目 2 sets of 8 tons
89	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	1台8吨项目 1 set of 8 tons
90	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	1台6吨项目 1 set of 6 tons

序号 No.	公司名称 Company name	项目介绍 Project content
91	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	1台3吨项目 1 set of 3 tons
92	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	1台12吨， 1台15吨项目 1 set of 12 tons, 1 set of 15 tons
93	广东广安特种设备工程有限公司–威斯汀 Guangdong Guang'an Special Equipment Engineering Co., Ltd. –Westin	2台4吨项目 2 sets of 4 tons
94	广东广安特种设备工程有限公司–保利 Guangdong Guang'an Special Equipment Engineering Co., Ltd. –Poly	5台4吨项目 5 sets of 4 tons
95	广州市宝佳能源科技有限公司 Guangzhou Baojia Energy Technology Co., LTD	1台4吨， 1台3吨项目 1 set of 4 tons, 1 set of 3 tons
96	江 门美其香食品有限公司 Jiangmen Meiqixiang Food Co., Ltd	1台3吨项目 1 set of 3 tons
97	广州市基盛环保工程有限公司 Guangzhou Jisheng Environmental Protection Engineering Co., LTD	1台1吨项目 1 set of 1 ton
98	天津市北方建华机电设备有限公司 Tianjin North Jianhua Mechanical and Electrical Equipment Co., LTD	2台10吨， 2台6吨项目 2 sets of 10 tons, 2 sets of 6 tons
99	常州市上能锅炉有限公司 Changzhou Shangneng Boiler Co., LTD	3台3吨项目 3 sets of 3 tons
100	江 门蓬江区恒安达机电设备有限公司 Jiangmen Pengjiang District Henganda Mechanical and Electrical Equipment Co., LTD	1台4吨项目 1 set of 4 tons
101	陕西仁和智能控制有限公司 Shaanxi Renhe Intelligent Control Co., LTD	1台4吨， 1台10吨项目 1 set of 4 tons, 1 set of 10 tons
102	山东力江环保有限公司 Shandong Lijiang Environmental Protection Co., LTD	2台12吨项目 2 sets of 12 tons
103	广州市蕒诺机电设备有限公司 Guangzhou Kuinuo Mechanical and Electrical Equipment Co., LTD	1台4吨项目 1 set of 4 tons
104	陕西郑锅锅炉有限公司 Shaanxi Zhengguo Boiler Co., LTD	1台15吨项目 1 set of 15 tons
105	广州市曾本五金工业有限公司 Guangzhou Zengben Hardware Industry Co., LTD	1台2吨项目 1 set of 2 tons
106	广州市蕒诺机电设备有限公司 Guangzhou Kuinuo Mechanical and Electrical Equipment Co., LTD	2台2吨项目 2 sets of 2 tons
107	广州市蕒诺机电设备有限公司 Guangzhou Kuinuo Mechanical and Electrical Equipment Co., LTD	1台2吨项目 1 set of 2 tons
108	广州奥琳燃烧设备有限公司 Guangzhou Olin Combustion Equipment Co., Ltd	2台10吨项目 2 sets of 10 tons
109	武汉泰邦热能设备有限公司 Wuhan Taibang Thermal Energy Equipment Co., LTD	1台6吨项目 1 set of 6 tons
110	武汉泰邦热能设备有限公司 Wuhan Taibang Thermal Energy Equipment Co., LTD	1台8吨项目 1 set of 8 tons
111	广州奥琳–新会七堡潭江造纸 Guangzhou Olin–Xinhui Qibao Tanjiang paper–making	1台4吨项目 1 sets of 4 tons
112	南京赛安机电 Nanjing Sai'an Mechanical and Electrical	5吨油气两用热风型项目 5 tons of oil and gas dual–use hot wind type ultra–low nitrogen renovation project
113	广州市白云信达反光材料有限公司 Guangzhou Baiyun Xinda Reflective Material Co., LTD	1台1吨1台2吨项目 1 set of 1 ton, 1 set of 2 tons
114	山东力江环保有限公司 ShandongLijiangEnvironmentalProtectionCo.,LTD	4吨天然气、沼气双燃料项目 4 tons of natural gas, biogas dual–fuel ultra–low nitrogen project
115	武汉泰邦–湖北黄冈林立新能源 Wuhan Taibang–Hubei Huanggang Linli new energy	1台15吨项目 1 sets of 15 tons
116	广州市长安粘胶 Guangzhou Changan Viscose	1台3吨项目 1 sets of 3 tons

序号 No.	公司名称 Company name	项目介绍 Project content
117	江门市骏东木业 Jiangmen City Jundong wood industry	1台4吨项目 1 sets of 4 tons
118	无锡捷砺–江苏无锡项目 Bwuxi Jieli–Jiangsu Wuxi ultra–low nitrogen renovation project	1台4吨项目 1 sets of 4 tons
119	陕西仁和–兰州项目 Shaanxi Renhe–Lanzhou project	1台1吨， 2台2吨， 11台4吨， 2台6吨， 2台10吨共18台项目 1 set of 1 ton, 2 sets of 2 tons, 11 sets of 4 tons, 2 sets of 6 tons, 2 sets of 10 tons, a total of 18sets project
120	北京馨诺天成– 山东泰安昆仑能源 Beijing Xinuo Tiancheng–Shandong Tai'an Kunlun Energy	1台8吨项目 1 sets of 8 tons
121	黑龙江中正–黑龙江鹤岗项目 Heilongjiang Zhongzheng–Heilongjiang Hegang	1台15吨项目 1 sets of 15 tons
122	江门市华联–江门市城基建业 Jiangmen City Hualian–Jiangmen City infrastructure industry	1台2吨项目 1 sets of 2 tons
123	江门市华联–江门煜晟沥青混凝土 Jiangmen Hualian–Jiangmen Yusheng asphalt concrete	1台2吨项目 1 sets of 2 tons
124	广东广安–环亚制衣 Guangdong Guang'an–Huanya clothing manufacturing	1台3吨1台4吨项目 1 sets of 3 tons, 1 sets of 4 tons
125	广州奥琳–门市本和密封 Guangzhou Olin–Jiangmen Benhe sealed	1台2吨项目 1 sets of 2 tons
126	广州市蕒诺–广州番禺项目 Guangzhou Kuinuo–Guangzhou Panyu	1台8吨项目 1 sets of 8 tons
127	陕西仁和–陕西兰州项目 Shaanxi Renhe–Shaanxi Lanzhou	2台15吨项目 2 sets of 15 tons
128	广州市基盛–广州南村项目 Guangzhou Jisheng–Guangzhou South Village	1台1吨项目 1 sets of 1 tons
129	广州奥琳–江门味香园 Guangzhou Olin–Jiangmen Weixiangyuan	1台6吨项目 1 sets of 6 tons
130	广州市蕒诺–广州项目 Guangzhou Kuinuo–Guangzhou project	4台2吨项目 4 sets of 2 tons
131	江 门蓬江区恒安达–江门高力依 Jiangmen Pengjiang District Heng anda–Jiangmen Gaoli	1台3吨项目 1 sets of 3 tons
132	广州灿瑞–广东隆信制药 Guangzhou Canrui–Guangdong Longxin Pharmaceutical	1台2吨项目 1sets of 2 tons
133	广州奥琳–广州香满楼 Guangzhou Olin–Guangzhou Xiangmanlou	2台2吨项目 2sets of 2 tons
134	济南特富–泰邦生物科技 Jinan Tefu–Taibang Biotechnology	2台4吨项目 2sets of 4 tons
135	无锡捷砺–常州恒大 Wuxi Jieli–Changzhou Evergrande	1台6吨1台10吨项目 1sets of 6 tons, 1 sets of 10 tons
136	无锡捷砺–安徽博瑞特热能 Wuxi Jieli–Anhui Borrite thermal energy	1台8吨1台10吨项目 1sets of 8 tons, 1 sets of 10 tons
137	广州市宝佳–江苏项目 Guangzhou Baojia–Jiangsu project	1台4吨项目 1sets of 4 tons
138	乌鲁木齐齐丰瑞盈–新疆埃特邦建材 Urumqi Baifeng ruiying–Xinjiang Etebang Building materials	1台6吨项目 1 sets of 6 tons
139	淄博胜炼化工 Zibo Shenglian Chemical	1台6吨项目 1 sets of 6 tons
140	广州威洋汽车项目 GuangzhouWeiyangAutomobileproject	1台2吨项目 1sets of 2 tons
141	武汉泰邦–闻泰通讯黄石工厂锅炉房 Wuhan Taibang–Wentai communication Huangshi factory boiler room	3台3吨项目 2sets of 3 tons
142	济南特富–山东瀛洋香精项目 Jinan Tefu–Shandong Yingyang flavor project	1台3吨项目 1sets of 3 tons

序号 No.	公司名称 Company name	项目介绍 Project content
143	武汉泰邦–新疆图达新型环保项目 WuhanTaibang–XinjiangTudanewenvironmentalprotectionandultra–lownitrogentransformationproject	1台10吨项目 1 set of 10 tons
144	广州蕒诺–榆桦百货项目 Guangzhou Kuinuo–Yuhua general merchandise project	1台6吨项目 1 set of 6 tons
145	广州奥琳–永发（福建）鞋材项目 Guangzhou Olin–Yongfa (Fujian) shoe material project	1台4吨项目 1 set of 4 tons
146	济南特富–巨野项目 Jinan Tefu–Juye project	1台8吨项目 1 set of 8 tons
147	江苏创思均品–兰州大学第一医院 Jiangsu Chuangsijunpin–The First Hospital of Lanzhou University	2台6吨2台10吨项目 2 set of 6 tons, 2set of 10 tons
148	济南特富–滨州市人民医院 Jinan Tefu–Binzhou City People's Hospital	2台5吨项目 2 set of 5 tons
149	天津铁路停车场 Tianjin Railway Parking	1台2吨项目 1 set of 2 tons
150	万润达纸业有限公司 Wanrunda Paper Co., Ltd	2台15吨项目 2 set of 15 tons
151	天津市光正冷暖–天津滨海 Tianjin Guangzheng Heating and cooling –Tianjin Binhai	3台3吨项目 3 set of 3 tons
152	宁夏施德普能源管理公司 Ningxia Shidepu Energy Management Company	1台10吨项目 1 set of 10 tons
153	南京赛安机电科技有限公司 Nanjing Saian Mechanical and Electrical Technology Co., LTD	1台6吨项目 1 set of 6 tons
154	广州市宝佳能源科技有限公司 Guangzhou Baojia Energy Technology Co., LTD	1台6吨项目 1 set of 6 tons
155	天津市北方建华机电设备有限公司 Tianjin North Jianhua Mechanical and Electrical Equipment Co., LTD	2台6吨项目 2 sets of 6 tons
156	长沙天大锅炉制造有限公司 Changsha Tianda Boiler Manufacturing Co., LTD	2台4吨项目 2 sets of 4 tons
157	天津天鹿 Wuxi Anming Environmental Technology Co., LTD	3台6吨项目 3 sets of 6 tons
158	南通顺达 Nantong Shunda	1台4吨项目 1 set of 4 tons
159	南通瑜泽环保设备有限公司 Nantong Yuze Environmental Protection Equipment Co., Ltd	1台4吨项目 1 set of 4 tons
160	南京赛安机电科技有限公司 Nanjing Saian Mechanical and Electrical Technology Co., LTD	1台5吨项目 1 set of 5 tons
161	广州市蕒诺机电设备有限公司 Guangzhou Kuinuo Mechanical and Electrical Equipment Co., LTD	1台4吨，1台6吨项目 1 set of 4 tons, 1 set of 6 tons
162	广州市蕒诺机电设备有限公司 Guangzhou Kuinuo Mechanical and Electrical Equipment Co., LTD	4台2吨项目 4 sets of 2 tons
163	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	1台5吨项目 1 set of 5 tons
164	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	1台8吨项目 1 set of 8 tons
165	南京赛安机电科技有限公司 Nanjing Saian Mechanical and Electrical Technology Co., LTD	1台2吨项目 1 set of 2 tons
166	无锡捷砺贸易有限公司 WuxiJieliTradingCo.,Ltd	2台3吨项目 2 sets of 3 tons
167	太平锅炉 Taiping Boiler	1台4吨项目 1 set of 4 tons
168	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	2台2吨项目 2 sets of 2 tons

序号 No.	公司名称 Company name	项目介绍 Project content
169	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	1台3吨，1台7吨项目 1 set of 3 tons, 1 set of 7 tons
170	常州市红星加热炉有限公司 Changzhou Hongxing Heating Furnace Co., LTD	1台7吨项目 1 set of 7 tons
171	衡阳云天锅炉有限公司 Hengyang Yuntian Boiler Co., LTD	1台4吨项目 1 set of 4 tons
172	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	2台15吨项目 2 sets of 15 tons
173	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	2台4吨项目 2 sets of 4 tons
174	无锡捷砺贸易有限公司 Wuxi Jieli Trading Co., Ltd	1台5吨项目 1 set of 5 tons
175	济南燕发商贸有限公司 Jinan Yanfa Trading Co., LTD	1台6吨项目 1 set of 6 tons
176	黑龙江中正锅炉有限公司 Heilongjiang Zhongzheng Boiler Co., LTD	6台10吨项目 6 sets of 10 tons
177	黑龙江中正锅炉有限公司 Heilongjiang Zhongzheng Boiler Co., LTD	2台15吨项目 2 sets of 15 tons
178	宁夏德普运维有限公司 Ningxia Depp Operation and Maintenance Co., Ltd	5台4吨，5台10吨项目 5 sets of 4 tons, 5 sets of 10 tons
179	天津市光正冷暖设备工程有限公司 Tianjin Guangzheng Heating and cooling Equipment Engineering Co., LTD	3台3吨项目 3 sets of 3 tons
180	济南燕发商贸有限公司 Jinan Yanfa Trading Co., LTD	1台6吨项目 1 set of 6 tons
181	南京赛安机电科技有限公司 Nanjing Saian Mechanical and Electrical Technology Co., LTD	1台5吨项目 1 set of 5 tons
182	南京赛安机电科技有限公司 Nanjing Saian Mechanical and Electrical Technology Co., LTD	1台6吨项目 1 set of 6 tons
183	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	1台20吨项目 1 set of 20 tons
184	汉优能燃烧设备有限公司 Wuhan Youneng Combustion Equipment Co., LTD	1台4吨项目 1 set of 4 tons
185	济南特富锅炉销售有限公司 Jinan Tefu Boiler Sales Co., LTD	1台8吨项目 1 set of 8 tons
186	南京赛安机电科技有限公司 Nanjing Saian Mechanical and Electrical Technology Co., LTD	1台2吨项目 1 set of 2 tons
187	杭州诺信机电设备有限公司 Hangzhou Nuoxin Mechanical and Electrical Equipment Co., LTD	1台2吨项目 1 set of 2 tons
188	黑龙江中正锅炉有限公司 Heilongjiang Zhongzheng Boiler Co., LTD	1台4吨项目 1 set of 4 tons
189	天津天鹿锅炉技术服务有限公司 Tianjin Tianlu Boiler Technical Service Co., LTD	1台6吨项目 1 set of 6 tons
190	广州市宝佳能源科技有限公司 Guangzhou Baojia Energy Technology Co., LTD	1台6吨项目 1 set of 6 tons



中国服务体系 SERVICE

公司简介 Company profile

为了适应业务发展的需要，广东意高能源科技股份有限公司围绕“燃烧+”服务理念，以核心技术、核心产品、核心服务能力进行全面的提升，燃烧器及配套设备的智造业务已转移至意高环保装备（广州）有限公司（以下简称意高环保装备），并增设“设备+工程”“工业物联网”等服务延伸，为广大用户提供更全面、省心的一站式燃烧系统运营管理服务。

意高环保装备（广州）有限公司，是一家专注工业燃烧装备行业的综合性企业。公司在中国广州和意大利维罗纳（Verona）拥有两个生产基地，公司集研发、设计、制造、销售和服务于一体，致力于提供一站式燃烧系统解决方案。

公司主营工业供热、化工、沼气、钢铁等行业FIR低氮（ $\text{NOX} \leq 30\text{--}50\text{mg/Nm}^3$ ）工业燃烧器产品，垃圾发电、危废固废焚烧炉配套燃烧器产品，废气废液治理装备-热力焚烧炉（TO），废气治理装备配套设备等。产品系列齐全，可全面覆盖不同需求。

公司研发实力雄厚，拥有自主知识产权，公司始终围绕“燃烧+”服务理念，减少排放，节能环保，聚焦“设备+技术+服务”为核心，以创新全面驱动并提升产品品质，并增设“设备+工程”“工业物联网”等延伸，为广大客户提供更全面、更省心的燃烧系统运营管理服务。

In order to meet the needs of business development, Guangdong Eacon Energy Science and Technology Stock Co., Ltd. centers the "combustion +" service concept and comprehensively improves its services with core technology, core products, and core service capabilities. The intelligent manufacturing business of burners and supporting equipment has been transferred to Eacon Environmental Protection Equipment (Guangzhou) Co., Ltd. (hereinafter referred to as Eacon Environmental Protection Equipment), and service extensions such as "equipment + engineering" and "industrial Internet of Things" have been added, to provide users with more comprehensive and no worry one-stop combustion system operation and management services.

Eacon Environmental Protection Equipment (Guangzhou) Co., Ltd. is a comprehensive enterprise specializing in the industrial combustion equipment. The company has two production bases in Guangzhou, China and Verona, Italy. Eacon integrates research and development, design, manufacturing, sales, and services, committed to providing one-stop combustion system solutions.

The company mainly engages in FIR low nitrogen ($\text{NOX} \leq 30\text{--}50\text{mg/Nm}^3$) industrial burner products for industries such as industrial heating, chemical industry, biogas, and steel, as well as supporting burner products for waste power generation and hazardous waste and solid waste incinerators, waste gas and liquid treatment equipment - thermal oxidizer (TO), and waste gas treatment equipment matching equipment. The product series is complete and can fully cover different needs.

The company has strong research and development capabilities and independent intellectual property rights. The company always center on the "combustion +" service concept, reducing emissions, energy conservation and environmental protection, focusing on "equipment + technology + services" as the core, driving innovation comprehensively and improving product quality. It also adds extensions such as "equipment + engineering" and "industrial Internet of Things" to provide customers with more comprehensive and no worry combustion system operation and management services.

售后服务

意高环保装备（广州）有限公司，本着“以质量求发展、以服务求信誉、以管理求效益”的原则，在全国建立了完善的售前、售中、售后服务体系，精心服务于燃烧器配套行业。

拥有200多人的直属售后团队24小时待命，为客户提供最优质贴心的服务，目前售后服务点已覆盖了北京、上海、河南、湖南、湖北等城市，凡安装后便全天候跟踪排查，如有故障即时处理，最大限度降低损失。

After-sales service

Eacon Environmental Protection Equipment (Guangzhou) Co., Ltd. in line with the principle of "development by quality, reputation by service, efficiency by management", has established a perfect pre-sale, sale and after-sales service system in the country, and carefully serves the burner supporting industry.

With more than 200 people directly under the after-sales team 24 hours on standby, to provide customers with the best and considerate service, the after-sales service location has covered Beijing, Shanghai, Henan, Hunan, Hubei and other cities, they are tracked and checked all the time, and any faults are promptly handled to minimize losses.



意高中华区网点分布图
Eacon China Branch Distribution Map

