

Environmental Sustainability Commitment Letter

——Sustainable development of thermal energy recovery

In order to promote sustainable economic and social development, implement the United Nations 2030 Agenda for Sustainable Development, continuously improve the regional environmental quality, and strive to accelerate the pace of ecological city construction, Xi'an Tian Gong Electric Co., Ltd. adheres to the new road of industrialization which has high technological content, low consumption of resources, low environmental pollution, and good economic benefits. Combined with its own development and realistic needs, it has independently developed a firing waste heat recovery system to achieve the national gas emission standards for the purpose of at the same time, the heat generated in the production process for recycling, so as to improve the comprehensive utilization rate of resources, to achieve the sustainable development of the enterprise and the environment needs, to achieve the conservation of resources and protection of the environment, the green development.

Firing waste heat recovery system, that is, the heat regeneration and recycling system of the resistance sheet sintering push plate tunnel kiln furnace. The pre-firing furnace generates a large amount of high-temperature exhaust gas during the product firing process, which enters the outlet pipeline of organic exhaust gas from the debinding. Among them, the high concentration of VOCs organic exhaust gas mixture through the centrifugal induced draft fan to control the gas flow, and again into the gas heating chamber for high temperature heating to 420 degrees Celsius through the catalytic combustion device for exhaust gas discharge. In the process of catalytic decomposition of organic waste gas, add the waste heat recovery heat exchanger, the introduction of the inlet pipe, low-temperature cold water through the circulation of pressurized pumps, through the pipeline high-temperature gas water heating, set up a water tank on the roof of the building, storage of high-temperature hot water to meet the staff bathing and local heating in the workshop in the winter, so as to achieve the

recycling of thermal energy.

On this basis, "sustainable development" will not only be a concept, but will also be implemented into the enterprise production line and management mechanism with practical programs, we make the following commitments on the road of green development:

Advocate the concept of scientific development, strengthen the construction of enterprise culture, and firmly establish the concept of green development and sustainable development. Implement environmental protection policies, regulations and standards, strengthen the operation and management of pollution control facilities, and ensure that wastewater, waste gas, noise and solid waste are discharged according to standards. Develop circular economy, improve the comprehensive utilization rate of resources, strengthen corporate environmental management, and enhance the sense of integrity.

This is our solemn commitment to the community, please supervise the community. We will further strengthen self-discipline, regard environmental protection as the life of the enterprise, be an honest and law-abiding enterprise, practice sustainable development, and create a better future with green ecology.

Xi'an Tian Gong Electric Co., Ltd.

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实用新型专利证书

Utility model patent certificate

实用新型名称：一种电阻片烧结推板隧道窑炉热能再生回收利用系统
The heat regeneration and recycling system of the resistance sheet sintering push plate tunnel kiln furnace

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本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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