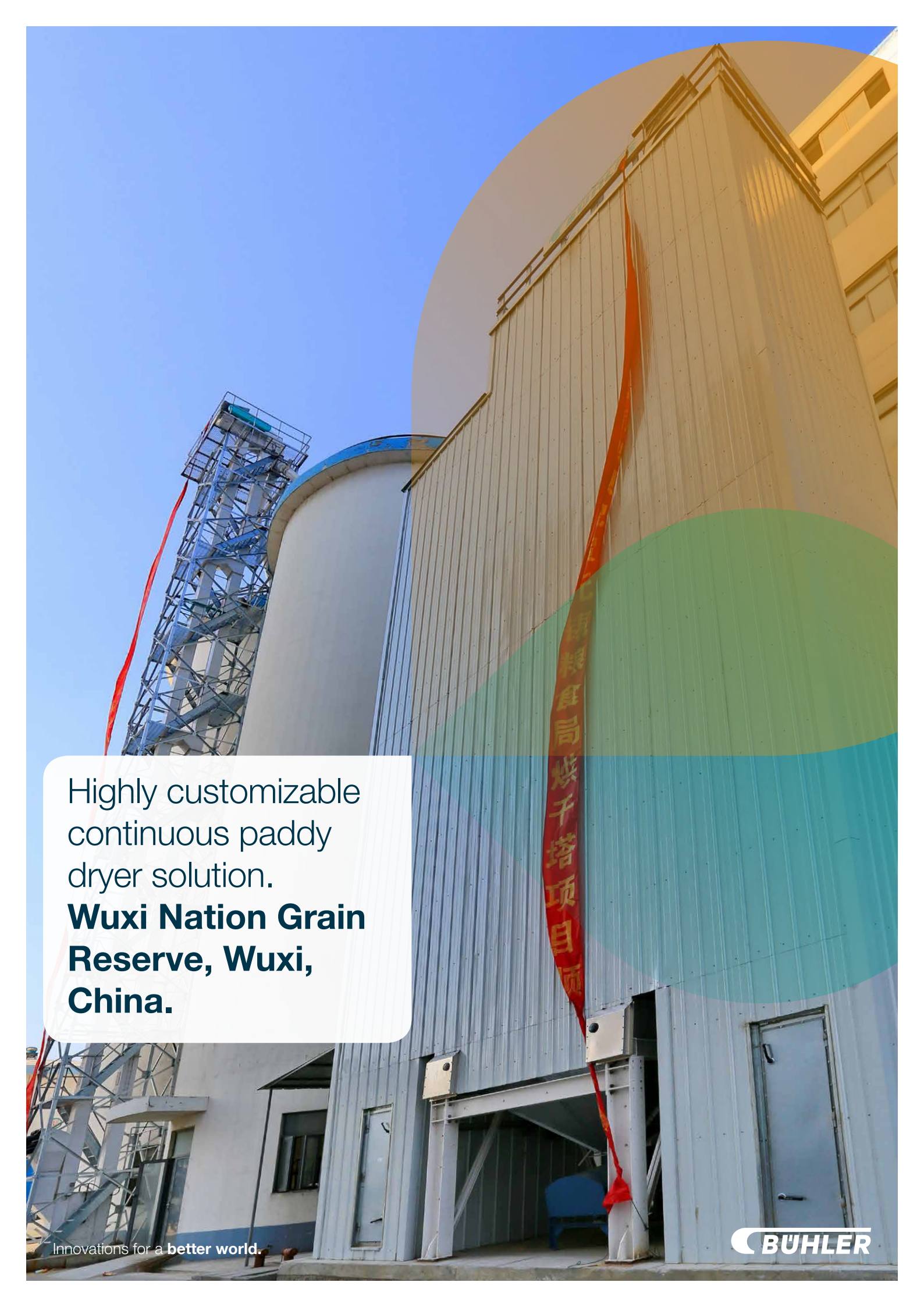




Highly customizable
continuous paddy
dryer solution.

**Wuxi Nation Grain
Reserve, Wuxi,
China.**

Wuxi National Grain Reserve in Jiangsu Province.

The Wuxi National Grain Reserve in Jiangsu Province is located along the beautiful coastline of Taihu Lake. Built in 1950, it is located between Wuxi New District and the urban area. To its east lies the Beijing-Hangzhou Grand Canal, and to its west lies the Shanghai-Nanjing Railroad.

Being five kilometers from both the Shanghai-Nanjing Expressway and the No. 312 National Highway, and only 10 kilometers from Sunan International Airport and Bühler, it enjoys a clear advantage in terms of transportation. The reserve was constructed with an investment of 0.7 billion RMB and covers an area of 353 acres and a total construction area of over 130,000 square meters.

Mainly used to store wheat and paddy, the reserve has a total storage capacity of 116,000 tons, including 86,000 tons in tall flat warehouses, 20,000 tons in silo warehouses, and 10,000 tons in oil tanks. The center integrates warehousing, wholesale, processing, information, research, development, transport, distribution and supply, pricing, and trading functions, forming a grain storage and logistics base oriented to the whole country and radiating to the Yangtze River Delta area.



Bühler's LEEA Continuous Grain Drying.

Bühler's high-quality continuous grain drying tower is especially excellent in drying high-moisture paddy and corn in China. To ensuring an optimal and stable storage status of grain. The Bühler continuous drying system includes the EcoDry Grain Dryer, the Eco Cool Tower and Eco Clean system.



With a unique and patented design and layout of air ducts in the drying tower, the waste heat recovery system and efficient dust removal system can be installed outside of building, eliminating the need for a separate dust room, which is typical applied by batch type dryer. The design ensures that grains (including paddy) are evenly heated and dried, thereby significantly reducing the crack ratio and reducing losses of grain and businesses profit. The equipment offers several benefits, including low emissions, low power consumption, low noise, customized modular design, reliability and durability, and multiple heat source options.

Why Bühler?

With the constant advances of reforms in the grain circulation system and the opening up of the grain market, there has been a trend towards diversification in grain purchasing. In 2014, the Wuxi National Grain Reserve in Jiangsu Province compared grain drying equipment used internationally and domestically and finally selected Bühler to customize its LEEA Continuous Grain Drying Tower based on considerations of the technical capabilities, after-sales service and user reputation. This was intended to increase the competitiveness of state-owned grain enterprises, ensure the safety of national grains, protect the interests of farmers, and improve business efficiency.

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Bühler's Continuous Grain Drying Tower generates low noise and is economical and environmentally friendly.

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Chen Ruilong, Deputy Director,
Wuxi National Grain Reserve in
Jiangsu Province



Bühler's Continuous Grain Drying Tower uses a special structural design and thermal energy recovery technology derived from Bühler's exclusive patented Eco Dry technology. The Eco Dry technology reuses unsaturated exhaust gases and unsaturated heated fresh air, thereby reducing energy consumption and ensuring that the drying tower can dry grains gently and evenly, while minimizing damage to the grains throughout the drying process. Mr. Chen said, "Compared with other drying equipment, Bühler's LEEA Drying Tower generates lower noise, which brings higher environmental and social benefits for residents in the surrounding areas. Its low energy consumption helps save 10 yuan for each ton of grain dried, and LEEA's environmental characteristics allow businesses to meet current and future environmental requirements."

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Bühler's Continuous Grain Drying Tower is easy to use and effective.

Chen Ruilong, Deputy Director,
Wuxi National Grain Reserve in Jiangsu Province

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Mr. Chen thought that Bühler’s Continuous Grain Drying Tower had a high level of automation and was easy to operate. With constantly rising labor costs, this equipment could significantly reduce the need for manual operation. The entire drying system requires only one person with full automation, down from 3 persons as compared with other drying systems in China. In this way, the businesses could be more flexible and smooth in terms of staffing.

Bühler’s Continuous Grain Drying Tower is equipped with the EcoMation automatic moisture conditioning system, which makes the drying operation smarter and more convenient, significantly reducing reliance on operators and operational requirements for staff members.

With its even drying effect and its economical and environmental characteristics, Bühler’s Continuous Grain Drying Tower will continue to expand its application in paddy drying, helping the Wuxi National Grain Reserve in Jiangsu Province to solve local farmers’ difficulties in selling grains by helping them to handle and dry grains after harvest. By ensuring a consistent supply of grain, the Reserve will play a key role in stabilizing the grain market.

Bühler will also strive to innovate and upgrade existing technologies in order to reduce food loss and waste. It will continue to optimize transport, storage, and food processing, and promote innovation by using sustainable value chains. Bühler will continue to promote the development of drying equipment in China.

The project at a glance

Drying system project data

	Data / capacity
Continuous Grain Drying Tower	LEEA STKX6-12/2
Capacity	300 tons of paddy per day
Commissioning	2014



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