

Ningbo Deli Group invests in AAC plant in China

"It is Deli who gives you an integrated solution to your office" This is the slogan of Ningbo Deli Group, one of the largest manufacturers and exporters in China, founded in 1988. The development of market in China is changing rapidly, and cross-border development and cooperation have become the trend and enterprise diversification has become a popular attitude. While holding a leading position in stationery industry, Deli also actively tries to diversify into other industries and now it has become a diversified industrial group, which is involved in real estate, service industry and in particular the field of autoclaved aerated concrete.

With the vigorous development of China's autoclaved aerated concrete industry and the promotion of the national housing industrialization policy, Deli Group decided to enter into AAC industry, so AAC production line with annual output of 300,000 m³ was established by Deli Group in 2017. In Deli brand culture, the pursuit of product quality is their philosophy, so the tender for suppliers is very strict.

One of the special requirements of Deli is about raw material. Anhui Keda Industrial Co. Ltd (Keda Suremaker) focuses on the field of autoclaved aerated concrete. The concept of "providing customers

with AAC whole plant solutions" coincides with that of Deli Group. Keda Suremaker experimental center did chemical analysis and sample production for Deli special raw material shale tailings and designed one exclusive technical formula according to the silicon content of shale tailings.

The Deli AAC factory adopts indoor closed design from raw material section to finished products packing section, which can avoid the influence of weather factors. Separation of finished product storage area from production workshop by wall to eliminate potential safety hazards caused by cross operation.

General overview of the plant.





Cable-stayed horizontal cutting machine, each steel wire is fixed on a pair of independent wire hanging columns to avoid settlement cracks in the process of thin panel cutting.



High cutting precision, smooth surface of finished cutting products.

The factory adopts visual management and operation control. The design of the central integrated control room with the visual recognition system realizes the separation control of human and machine, from pouring section to packing section the automatic AAC production line only needs seven operators per shift, which greatly guarantees the safety of employees, reduces the production labor cost and improves the overall intelligence level of the production line.

With the idea of energy saving, this factory also realized the waste heat utilization. The condensate water after autoclaving can be collected for recycling using during the pouring section. The autoclave adopted double thermal insulation cotton protection, the surface of autoclave is only 26 °C while the indoor temperature of factory is 24 °C.

During the project construction, Keda Suremaker engineers went to the project site to provide guidance on installation, process debugging, production man-

agement and operation support, with the considerate service by Keda Suremaker the smooth operation process has been realized in the whole production line and the product quality is stable after commissioning and personnel training. ●



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