

A 81: Precision Mixing for a Wide Range of Multi-Component Blends



The Huayuan Group, the parent company of Fuhua Dezhou, is one of the most famous spinning mills for various fiber blends in China. The Huayuan Group produces a wide range of yarns by blending modal, Tencel™, bamboo, polyester, acrylic, viscose, nylon, wool, protein fibers and combed cotton. The yarns blended from these materials are sold to the domestic market and exported to Korea, Hong Kong, Taiwan and other countries.

The Challenge

Fuhua Dezhou currently blends the fibers manually. Due to the innovative fiber blends demanded by the market, a shortage of labor and the heavy work load for operators, the company required automated fiber blending. To achieve precise blends in the future, the blending process must be automated.

The Solution

The precision blender UNIBlend A 81 blends fibers optimally and automatically. A deviation in the blending ratios of less than 1% is guaranteed. The A 81 solves the customer's main problem in that the machine enables blending innovations to be achieved, as well as automating the process.





Blending principle of the UNIBlend A 81

The Customer's Benefits

Using an A 81 means two fewer operators are required per shift. The blending ratio is more precise and can be controlled better than with manual blending. The deviation is no more than 1%. The downstream draw frame process can be reduced by one drawing passage.

The Customer's Statement

"The Rieter continuous and precise blending system is different from traditional systems that use a weighing hopper feeder, making it unique. Using the A 81, the blending ratio is achieved automatically and with great precision. Due to these advantages, fewer personnel are required and the number of downstream draw frame passages can be reduced, for example from three to two. We have tested blends with small blending ratios of up to 5%. As promised by Rieter, precise blends can also be achieved at low percentages. We plan to design new fiber blending products with special characteristics. These innovations will allow us to further increase our proportion of the market, both domestically and internationally."

Mr. Shuhua Luo

General Manager

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