

R 66: Better yarn quality and higher production for soft knitting yarn



Xinjiang Kangruixin Textile Co., Ltd. is a fully invested subsidiary of Henan Shenqiu Sanzha Textile Co., Ltd., located in Aksu, Xinjiang province, China. The company operates 50 000 ring spindles, 640 semi-automated rotor units and 260 sets of high-speed rapier looms with over 800 employees. The production chain of Xinjiang Kangruixin Textile Co. Ltd. covers the complete home textile process from design, R&D, spinning, weaving, and dyeing to finishing.

The Challenge

In recent years, Kangruixin faced with ring spinning increasing pressure to reduce energy consumption and needed manpower. Kangruixin's management began to focus on 100% virgin cotton and aimed for a shorter spinning process to increase their production of top quality soft yarn. At the same time, Kangruixin wanted to satisfy their customers' request for yarn with lower twist, stable yarn evenness and consistent yarn strength.

The Solution

Kangruixin has invested in seven fully automatic rotor spinning machines R 66 with 600 rotors each. The machines are equipped with spin boxes S 66 representing the latest rotor spinning technology including unique features like BYpass, SPEEDpass, CHANNELpass and the TWISTunit. This results in a stable running condition and a constant yarn quality. The robots with the VARIOclean units efficiently clean the rotor and the rotor groove before each single piecing operation. With the high grade of automation of the R 66, the customer needs fewer operators. Thanks to its consistent features for best yarn quality and easy operation, the machines fulfilled the customer's requirements fully.





Most modern spinning technology for quality and productivity

The Customer's Benefits

The R 66 produces 25% more yarn compared to the semi-automated rotor spinning machine. The energy consumption per kg has decreased by 64% compared to the customer's ring yarn production, also due to the energy saving ECOrized drive technology of the R 66. The quality of the soft knitting yarn from the R 66 is consistently high because of the new S 66 spin box technology. The machines run reliably and are easy to operate. The number of operators could be reduced by 75% compared to the ring production. Kangruixin's customers fully accepted the yarn quality. They can sell it at a generally higher price than the current market price.

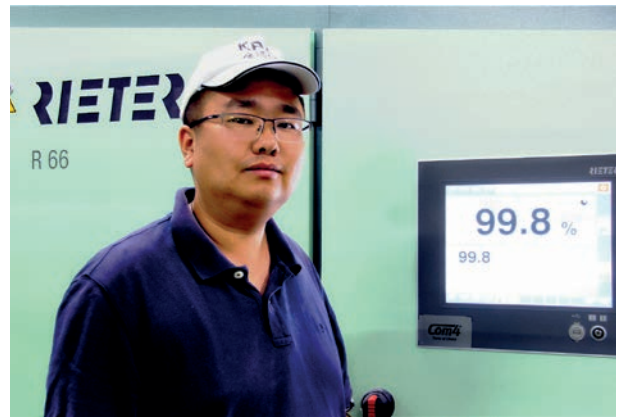
The Customer's Statement

"With the R 66, all our expectations regarding productivity and yarn quality had been fulfilled fully. With the sturdy design, the easy handling and operating of the R 66 also make our operators happy. And as the lucky owner of the 288 888th spin box we always will have a positive feeling regarding our rotor yarn production."

Mr. Mingxin Li

General Manager

Xinjiang Kangruixin Textile Co., Ltd.



Mr. Mingxin Li, General Manager, Xinjiang Kangruixin Textile Co., Ltd.

Xinjiang Kangruixin Textile Co., Ltd.

South Shenzhen Road
Textile Industrial Zone
Aksu 843100
Xinjiang Uygur Aut.
China
limingxin@live.cn
www.xjkrx.cn

Rieter Machine Works Ltd.

Klosterstrasse 20
CH-8406 Winterthur
T +41 52 208 7171
F +41 52 208 8320
machines@rieter.com
aftersales@rieter.com

The data and illustrations in this brochure and on the corresponding data carrier refer to the date of printing. Rieter reserves the right to make any necessary changes at any time and without special notice. Rieter systems and Rieter innovations are protected by patents.

3164-v1 en 1801

www.rieter.com