



ROTORCRAFT: Next generation spinning

Rotorcraft stands for Swiss Innovations in Spinning Technology, which are designed along three principles: Efficiency, Simplicity and Sustainability.

The Rotorcraft Next Generation Spinning (NGS®) frame meets all the requirements of a 21st-century mill.

In order to avoid any operating errors which are common with ring frames today, the Next Generation Spinning frame has no setting screws whatsoever.

The setting of the drafting systems is achieved by the use of exchangeable elements in different colors, while the distance between the drafting system and the spinning ring remains constant. Bottom aprons are replaceable individually while the frame is running. A low-pressure channel is built in between

the working elements of both sides of the frame, rather than above the frame. The channel is large enough to fit the suction tubes as well as the low-pressure elements for pneumatic compact spinning.

The two sides of the framework completely independently, and all bearings of the working elements are sealed for life. The result is equalized tension and evenness of yarn at a constant production speed. This allows the mill to produce either better quality yarn, or achieve a higher overall output. According to Rotorcraft, a large international audience visited the

Rotorcraft booth at ITMA ASIA and the overwhelming feedback from mill leaders was: "We have seen the future of ring spinning."

The next generation of Compact Spinning Systems - Green Compact - (pat. pend.) also was on display. The system attains the yarn quality improvements introduced by the first generation of compacting systems while saving 6-8 USD in energy cost per spindle per year. It, therefore, performs considerably more economically and sustainably compared to the older generation compacting systems. ♦