

Announcement of Sales Debut of the "TTS20S" Spun Sizing Machine

On July 18, 2008, T-Tech Japan announced a new model of spun sizing machine the "TTS20S." T-Tech Japan will start marketing the "TTS20S" from July 27, 2008 through TSUDAKOMA Corp. and Toyota Industries Corporation.

The current model "TTS10S" has been well-received all over the world as a spun sizing machine that supports air jet loom operations.

The performance in the new-model "TTS20S" has been highly refined under the theme "Safety, Progress, Improvement." The "TTS20S" is the advanced model that is ready for increasingly evolving high value-added fabrics. It is focused on improvement of sizing quality and high productivity.

The Navigation System popular in the filament sizing machine is incorporated in the "TTS20S," with an eye toward more user-friendliness by introducing the Sizing Navigation System.

The "TTS20S" provides environmentally friendly energy savings with its improved efficiency of sizing and drying and cutting-edge AC vector motor control.

[Features]

1. 20% faster operation:

The maximum yarn speed is 150m/min.

Compared to the previous model with 125m/min., this is a 20% increase in productivity.

2. Maximum squeezing pressure is increased by 25%:

In comparison with the existing model, the TTS20S has a 25% increase in maximum squeezing pressure. With the increased squeezing pressure to 50kN, drying efficiency and production speed can also increase accordingly. By squeezing with higher pressure, much size liquid penetrates inside the yarns, resulting that excess size liquid does not attach to the yarn surface and size liquid can be saved.

3. Stretch control unit is divided into smaller units:

It becomes possible to set stretch control in the minimum unit of 0.01% from 0.1%. (Ten-times more accurate compared to the TTS10S) With the subdivision of the stretch setting in smaller units (with more detailed setting and control), it is possible to maintain a high degree of residual elongation

of the yarns without loosening and applying over-tension to the yarns. The smaller stretch control unit is efficient to apply proper tension to thin yarns that need careful tension setting.

4. Increased energy-saving performance:

Energy-savings friendly to the global environment has been accomplished. Regenerative current from the state-of-the-art AC vector motor allows reduced power consumption.

By arranging the drying cylinders efficiently, steam consumption has been slashed.

Size liquid consumption has also been reduced with a pre-wet device (optional).