

Spinning polyamide 6 FDY yarn with WINGS

WINGS

Key benefits

- **Excellent yarn quality**
- **Low production cost**
- **Innovative technology**
- **Safe working environment**





Efficient polyamide FDY production

WINGS technology has transformed the efficient manufacture of high quality polyamide 6 FDY yarn into a sustainable reality.

Excellent yarn quality for competitive markets

An optimized yarn path gives WINGS yarn exceptional quality.

For more than 10 years, WINGS technology has been delivering unrivaled quality across a variety of manmade fibers. The long yarn relaxing phase ensures phenomenal dyeing properties, while the fine-tuned WINGS process spins and winds yarn into high-end products. This process is rounded off with a particularly high full-bobbin rate and a perfect package build which customers will surely appreciate.

Low production cost for sustainable production

WINGS standardizes the 24-end production of PA6 FDY yarn.

This allows for less investment and more efficient production. In addition, FDY spinning with WINGS uses less energy than a 12-end process. The compact WINGS design still guarantees higher bobbin weights for customers and a faster string-up process for internal staff.

Innovative technology for challenging tasks

WINGS has already become the standard for a variety of processes.

And the WINGS family is still growing! With the addition of PA6 FDY yarn, this unique technology is now offering its proven efficiency, quality, and ergonomics to all essential spinning processes.

A safe working environment for the most valuable assets

With WINGS, the personal safety of employees stands at the forefront.

Safety was a clear focus throughout the development phase of applying WINGS to PA6 FDY. As a result, the encapsulated draw unit reduces emissions, and the ergonomic design creates a simplified user experience employees will enjoy.

e-save
comprehensive efficiency

e-save provides a competitive edge on the market

Energy, Environment, Ergonomics, Economics - these are the four cornerstones of our strategy. As a pioneer in sustainability, we are committed to refining and building on these objectives. This is precisely how we develop our technology and design our processes. And at the core of it all are the people we want to help.

This results in energy-saving components, environmentally friendly production processes, maximum automation, digitally networked factories, and artificial intelligence. So our customers – and the environment – can benefit most.

Optimized yarn path

- Designed for increased full-bobbin rates
- Excellent yarn quality



24-end technology

- Lower investment
- Efficient yarn production
- Energy savings

Encapsulated draw panel

- Reduced spin-finish emissions



Stroke length of 1680mm

- High bobbin weight (7.5 kg)
- Perfect package build

Ergonomic design

- Faster string-up
- Easy handling
- Low waste rate
- Reduced labor force

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