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FANCYSPIN

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THE FUTURE OF FANCY YARN

Add value to your *yarn!*



Add value to your yarn

FancySpin is a unique fancy yarn and slub system designed to add special effects to your yarn, enabling you to create fancy yarn. Fancy yarn not only fetches you a premium, but it also gives you a much needed differentiator. No wonder, an increasing number of discerning spinners are opting for FancySpin, as it creates a niche for them in a highly competitive and commoditised yarn market.

The FancySpin system can be easily integrated into any make or type of ring frame or open-end machine to produce fancy yarn. The FancySpin system can help you produce slub, slub on slub, multicount and multitwist effects in a single package.



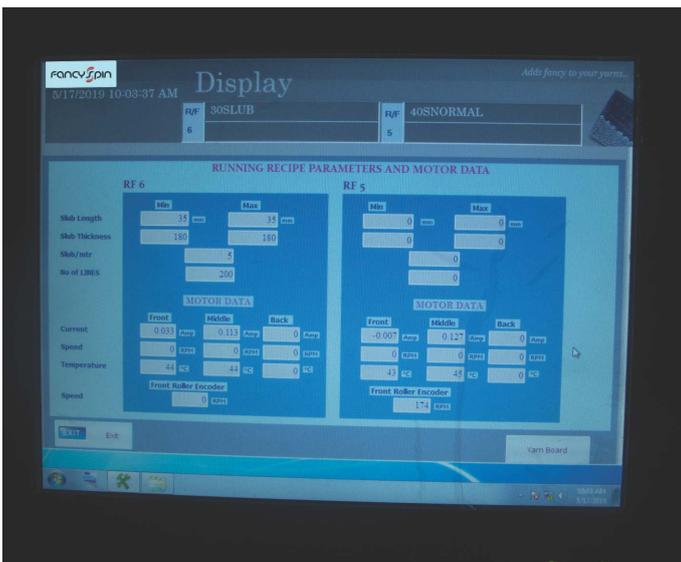


FancySpin can manufacture the following types of fancy yarns

Slub yarn

In slub yarn, slubs are deliberately created to produce the desired pattern in the yarn. Slub may be introduced in the yarn at pre-defined intervals or at random.

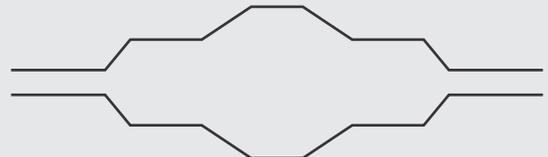
FancySpin uses the latest motion control technology with servo motors to produce slub yarn on ring frames.



Slub yarn



Slub



Slub on slub



Negative slub



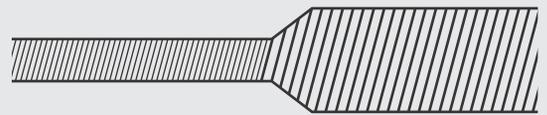
Multi slub



Multicount yarn

Multicount yarn is produced by creating multiple counts in the same yarn.

For producing multicount yarn, the front roller of the ring frame also needs to be fitted with a servo drive, in addition to back and middle rollers.



Multicount yarn

Multitwist yarn

Multitwist yarn is produced by creating variable twist along the length of the yarn. When dyed, the variation in the twist leads to differing dye pickups along the yarn, which gives fabric made from such yarn a special, aesthetically pleasing appearance.



Multitwist yarn

Multieffect yarn

Multieffect yarn is produced through a combination of slub, multicount, and multitwist effects in the same yarn.



Multieffect yarn



Multieffect yarn

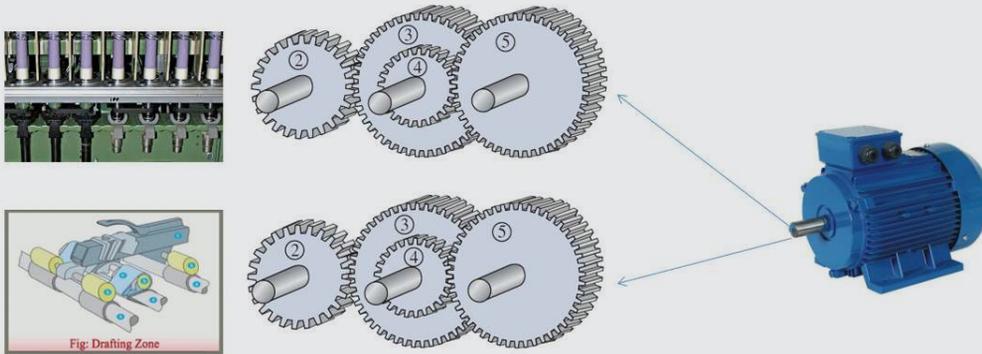
FancySpin system on ring frames

In order to ensure that a ring frame is suitable to generate fancy yarns, its drafting is separated from the existing drive and the individual servo motors are used to drive the drafting rollers. The drafting roller speed is determined by the yarn recipe and the delivery speed of the ring frame. This means that the drafting runs in synchronisation with the main motor speed.

Standard specifications of slub yarn manufacturing system

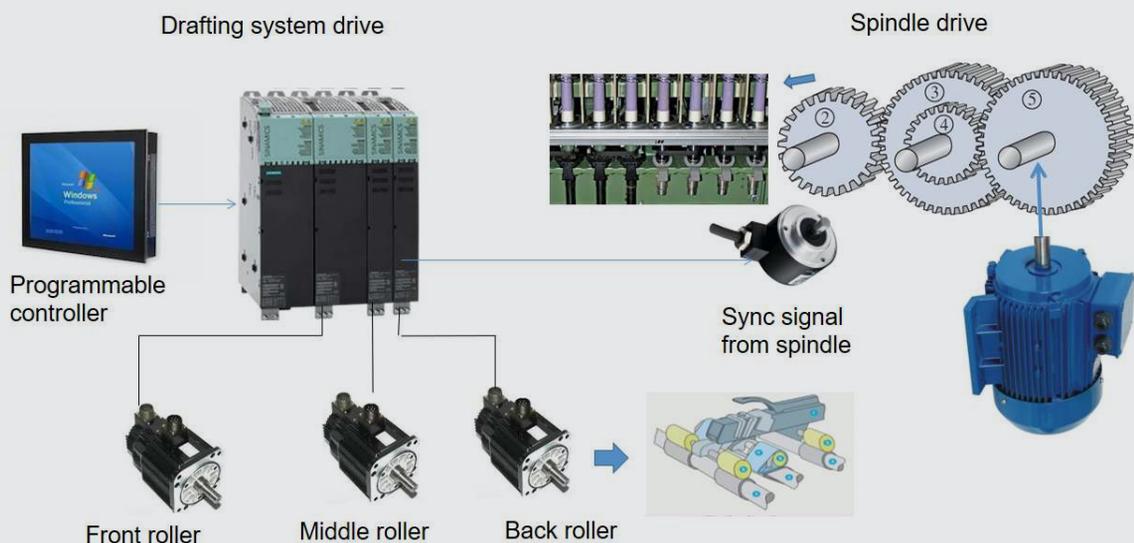
- Minimum possible slub length is 75% of fibre length. Special technology is used for manufacturing micro slubs.
- Slubs from 1.5 to 9.0 times the diameter of basic yarn (+900%) can be produced.
- Slub attachment can produce multiple diameter slubs and slub over slub and negative slub
- Fancy yarns can be produced at almost the same or at a slightly lower speed as that of normal yarn, without affecting the ring frame productivity. It may be necessary at times to reduce the machine speed to some extent. The production speed reduction depends on parameters such as the number of slubs/meter, slub thickness and ring frame condition. Slub attachment in itself is not the reason for speed reduction.

Normal ring frame drive



All 3 drafting rollers and spindles are run by 1 main motor. Gear change is required for to change the count.

Fancy yarn ring frame drive



Features:

- Latest generation motion control technology
- Specially designed, sturdy gearbox
- Designed to make patterns and antipatterns, creating enhanced visual impacts in the fabrics
- No production loss during a changeover from slub to normal yarn and vice-versa; the ring frame becomes e-draft after installing FancySpin
- User friendly software and easy programming
- No ends down during doffing or power failure
- Minimum reduction in spindle speed while running slub yarn
- Yarn board simulation on screen
- Negative slub (optional)

Benefits:

- Higher price realisation
- Expanded product portfolio
- Payback period is 6 months to 18 months (depending on market conditions)
- No need for extra training to operators/supervisors
- No need for special raw material like that used in core yarn
- No need for special testing instruments
- Low maintenance cost
- Switchover from normal to slub and vice versa is possible in a few minutes
- Economically upgrade your ring frame to e-draft
- Ring frame can be made Textile 4.0 ready with the FancySpin upgrade
- No extra power required
- Minimum to nil speed reduction depending on the slub type and ring frame condition



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