



SFE

Storage Feeder: Constant yarn tension, fewer knitting faults

The SFE storage feeder is designed for machines with variable yarn consumption and guarantees the correct tension when knitting with any types of yarn. The unit reduces the percentage of faulty fabric and increases machine efficiency.

The speed of the DC motor is microprocessor controlled. Sensors monitor the size of the yarn store on the winding reel and ensures that this stays constant. The yarn store can be set for various yarn types and counts. Various tensioner rings for regulating the yarn tension are also available.

Advantages

- Uniform knit structure due to a constant yarn tension between the SFE and the knitting points. Yarn tension variations prior to the SFE have no effect on the outgoing tension
- No fabric press-offs when yarn breaks. An infeed sensor and the yarn store on the winding reel prevent this
- Fewer knitting faults and increased machine efficiency due to the precise yarn tension control
- No overstoring of yarn layers. No loop formation

SFE: components

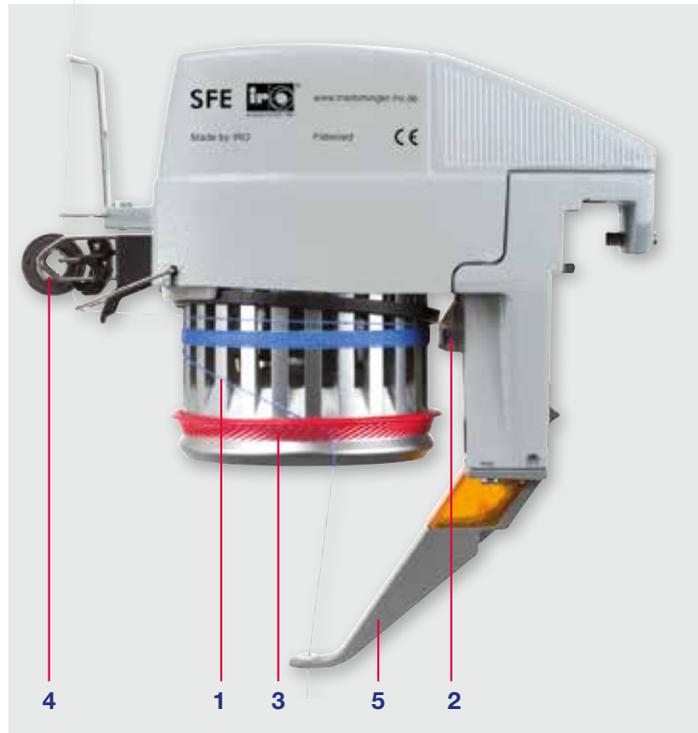
1 Winding reel

This has the smallest yarn store possible and ensures the optimum feed of individual yarn layers.



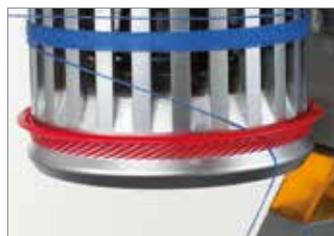
2 Sensor (fibre optic module)

The fibre optic sensor and the SFE microprocessor monitor the yarn store on the winding reel and regulate the motor speed to match yarn consumption.



3 Tensioner ring

Yarn tension is adjusted by using one of tensioner rings available.



4 Vibrating yarn tensioner

The vibrating yarn tensioner has magnetic tensioner rings to ensure that yarn tension remains constant. The continuous rotary motion of the tensioner ring keeps it clean. This prevents fault stoppages.



5 Outfeed stop (optional)

A built-in outfeed stop for the SFE is also available



Waxer (option)

Fitting a waxer to the feeder enables waxing of the yarn before knitting eliminating a separate yarn waxing operation.



Technical Data

Power supply:	3 x 42 V +/- 10%, 50/60 Hz
Max. current / phase:	1.41 A
Average current/phase:	0.75 A
Max. power:	100 VA
Average power:	55 VA

Max. yarn feed rate:	500 m/min
Yarn range:	83 dtex – 2500 dtex (Nm 4 – Nm 120)
Minimum ring diameter:	300 mm
Weight:	2.610 kg

Applications	
■ Circular knitting machines	■ Flat knitting machines
■ Sock machines	■ Warp knitting machines
■ Hosiery machines	■ Seamless machines

ADVANCED KNITTING TECHNOLOGY

MEMMINGER-IRO GMBH
 Jakob-Mutz-Straße 7 | 72280 Dornstetten-Germany
 Tel. +49 7443 281-0 | info@memminger-iro.de
 www.memminger-iro.de