



Super Elf X3

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The Super Elf X3 is a summary of years of experience in air-jet and water-jet weft feeders, ensuring the highest performance, versatility and reliability.



PULSAR HP- END OF INSERTION BRAKE

On today's high-speed machines, an end of insertion brake is required. The latest Pulsar HP utilises our expertise, combining state-of-the-art technology and user-friendly operation, resulting in excellent performance. Recommended for delicate or weak yarns, the Pulsar HP is used to further control yarn tension at the end of the insertion cycle, thus avoiding:

- Weft breakage at the end of the weft insertion
- Weft loops or slack picks in the fabric

The Pulsar HP is also used to pull-back the weft after it is cut, in order to avoid the tail of the last weft inserted getting twisted with the next weft to be inserted. The Pulsar HP operates in conjunction with a feedback sensor for, real-time, control of the braking function within each weft insertion.

SPECIAL FEATURES

- New and innovative, barrier principle, optical sensor system for excellent sensing of any yarn at all speeds
- Stable reading of yarn storage in dirty and dusty environments; the air-cleaning system is no longer required
- Reliable reading of very fine yarns, as fine as 7 den
- Storage sensor to grant the optimal feeding conditions also with black yarn
- Sensor-less permanent magnet motor (PMM) ensuring full torque at all speeds, with a low working temperature, better acceleration performance and low energy consumption
- Compact sensor / stopper-magnet housing to reduce friction with heavy yarns
- User-friendly design for the quick adjustment of the spool-body diameter for greater versatility
- A single PCB comprising the motor control system, sensors and end of insertion brake for greater reliability
- IP 65 sealing protection for use in all weaving environments
- Completely sealed push buttons using "hall-effect" for reliability

INPUT ACCESSORIES

Full pneumatic threader, i.e. optional
Half pneumatic threader
External yarn break sensor for multiple insertion

OUTPUT ACCESSORIES

Ballon breaker
Eyelet holder
Pulsar HP

TECHNICAL SPECIFICATIONS

Maximum speed	2450 m/min
Yarn count range	6 Nm - 7 den
Maximum yarn separation	2.2 mm
Winding direction	"S" and "Z"
Sensor systems	Optical
Dimensions	170 mm height 325 mm length 130 mm width
Weight	9.5 kg



CARPET WEAVING MACHINES

VELVET WEAVING MACHINES

TUFTING SYSTEMS

ADVANCED KNITTING TECHNOLOGY

YARN EXTRUSION LINES

ADVANCED HEAT-SETTING SOLUTIONS

SHEDDING SYSTEMS

HARNESSES

WEFT INSERTION SYSTEMS

FINISHING MACHINES

YARN TRADING

QUALITY ASSURANCE FOR TEXTILES

PRODUCTION MANAGEMENT SOLUTIONS

MOTORS & DRIVES

HIGH PRECISION IRON FOUNDRY

BULK HANDLING

We imagine, build and integrate innovative textile systems for flooring qualities, home linen, fashion fabrics and technical textiles.

Sharing inspiration and expertise with our customers worldwide, we shape the textile industry of the future.

Creating success for them all, from yarn to finished product.

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