

SUPER ELF X3



Robustness • Reliability • Quality • Productivity • Versatility

ROJ[®]

Super Elf X3

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

The Super Elf X3 is based on a proven platform, produced annually in 25.000 units.



Advantages:

- 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

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.

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



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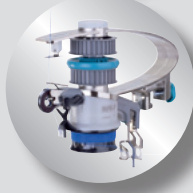
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FEEDERS



ROJ
FEEDERS/CONTROLLERS



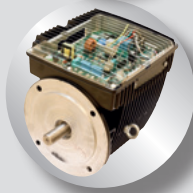
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MEMMINGER-IRO
KNITTING TECHNOLOGY



PROTECHNA
QUALITY ASSURANCE FOR TEXTILES



Aros electronics AB
DRIVES



We share our knowledge and expertise
in the broad area of textile technology.

Due to research and development,
in a close relationship with our customers,
the Van de Wiele group offers
a comprehensive range of equipment
designed to meet the ever growing demands
of the textile industry such as the knitting
industry, pile and flat weaving, weaving and
knitting accessories, finishing equipment,
frame weaving, control systems, ...

iro

IRO AB
Box 54
SE-523 22 Ulricehamn
SWEDEN
Tel: (+46) 321 297 00
Fax: (+46) 321 298 00
info@iro.se www.iroab.com

ROJ

ROJ srl
Via Vercellone 11
IT-13900 BIELLA
ITALY
Tel: (+39) 015 84 80 111
Fax: (+39) 015 40 58 15
comm@roj.com www.roj.com