



# Luna X3

# Luna X3

The Luna-X3 is the newest addition to the renowned X3 feeder range. With a future-proof design, ready to meet the demands of advanced modern weaving machinery - especially for fashion production.

Luna X3 comprises many proven and established features, including our energy efficient permanent magnet motor design, but also incorporates many new developments. Luna X3 has improved accessibility and easy "plug and play" for

connecting powered intelligent accessories, and an improved threading-up system. And Luna X3 connects to our reliable, lightweight switch-mode power supply and interface box.



## S/Z SWITCH

Used to set the direction of rotation, or to activate the stand-by mode.

## PNEUMATIC THREADING

"Easy access" push-button system for fast "one-step threading" (through the entire feeder), or "half-threading" (from the input eyelet to the spool body).

## PERMANENT MAGNET MOTOR

A powerful maintenance-free "permanent magnet motor" ensures low energy consumption, low operating temperature and high torque at all speeds.

## OPTICAL OR MECHANICAL SENSOR SYSTEM

"Mechanical" or "optical" sensor systems (including an integrated yarn break sensor), ensures precise yarn reserve control.

## QUICK RELEASE

Releases the brushing holder in one single turn for easy handling if a yarn break occurs, or for quick and easy braking element replacement.

## EASY BALLOON ADJUSTMENT

Adjustable knob for easy and precise brushing adjustment - even when the feeder is running.

## SEPARATION SETTING

Stepless yarn separation adjustment - without the need for any tools.

## SPOOL BODY

The special designed high quality surface treated spool body gently handles a wide range of yarns and offers lowest yarn take-off of tension and minimized dust collection

## ELECTRONICS / ACCESSORIES

With the high-speed CAN communication system, a range of "intelligent" accessories (operating as an integral part of the feeder) are available.

## SPECIAL FEATURES

- Mechanical or Optical sensor systems
- Fully automatic "intelligent" speed control
- CAN communication system
- Powerful PM (permanent magnet) motor
- Extremely low energy consumption
- Switch mode power supply
- Multiple yarn store sensors
- Integrated yarn break sensor
- Stepless yarn separation up to 2,7 mm
- Wide yarn count range
- User-friendly design
- Sealed spool body
- Insertion speed up to 1800 m/min
- Low operating temperature
- Accessory communications bus
- Controlled tensioner (TEC)\*
- S-Flex, new innovative compensating tensioner and balloon control\*
- Flex-Brake\*
- Lamella tensioner\*
- Coaxial output tensioner (CAT)\*
- Complete "one-step" pneumatic threading\*

\* = optional

## TECHNICAL SPECIFICATIONS

Maximum speed	1800 m/min
Yarn count range	120 - 1,5 Nm and 22 - 4000 dTex
Winding direction	"S" and "Z"
Yarn separation	2.7 mm
Sensor systems	Optical or mechanical
Spoolbody diameter	110 mm
Dimensions	190 mm height 345 mm length 150 mm width
Weight	6.2 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.

**ROJ**<sup>®</sup> ROJ Srl  
Via Vercellone 11  
IT-13900 BIELLA  
ITALY  
☎ +39 015 84 80 111  
☎ +39 015 40 58 15  
@ comm@roj.com  
🌐 www.vandewiele.com

**iro**<sup>®</sup> IRO AB  
Box 54  
SE-523 22 ULRICEHAMN  
SWEDEN  
☎ +46 321 297 00  
☎ +46 321 298 00  
@ info@iro.se  
🌐 www.vandewiele.com