

# Zero Twist Feeder

TAPE YARN WITHOUT ANY TWIST

# Zero Twist Feeder

The Zero Twist Feeder delivers a tape yarn or fibre tow to the weaving machine without any twist. It keeps the yarn constantly stretched to avoid the risk of any snarls or twisting of the tape.

The Zero Twist Feeder is designed for use with rapier machines. It can be installed on new CAN communication machines, or retrofit to older non-CAN communication machines using a specially designed conversion kit.

The Zero Twist Feeder is supplied as either a single channel unit, or as a weft mixing version.



## ADVANTAGES

- Delivers the tape yarn without any twist
- Handles Carbon fibre, Glass fibre, Aramid, Plastic tapes...
- Easy to exchange bobbins
- Works with mono-rapier or double-rapier weaving machines





## HOW IT WORKS

The bobbin is rotated by a motor, allowing delivery of the yarn without twist at an average speed of the weaving machine.

A buffer arm, synchronised with the rapier movement, buffers the yarn being rolled off the bobbin at a continuous

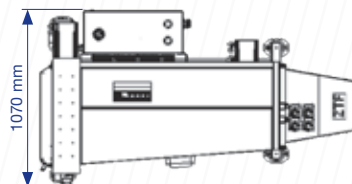
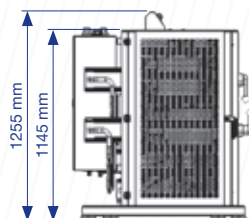
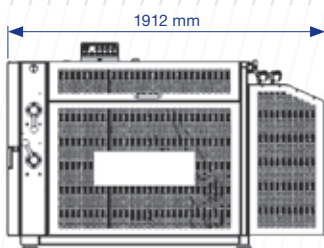
speed and delivers the exact amount to the weaving machine at the correct speed needed for the weft insertion.

A tension and sensor arm ensures that constant yarn tension is kept during the whole insertion cycle.

## TECHNICAL SPECIFICATIONS

Speed	up to 850 m/min up to 250 rpm at 3.4 m, single channel
Machine width	up to 3.40 m
Yarn	Tape from 0,5 mm to 12 mm wide Monofilament up to 1.5 mm Carbon fibre 1.5k – 24 k Glass fibre, man-made fibres
Bobbin	max diameter: 250 mm. max length: 310 mm max weight: 7 kg
Rapier system	Mono and double sided
Versions	Single / 2C weft mix

Performance depends on article and loom





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.roj.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.iroab.com