

Chrono X3



Robustness • Reliability • Quality • Productivity • Versatility



Chrono X3

Chrono X3, part of our innovative and versatile X3 flagship range. Utilising many new developments, including the “S-Flex” and a unique spool-body design for optimal yarn handling. With improved accessibility for connecting powered accessories and with connection to our light-weight switch-mode power supply to maximise the energy efficient permanent magnet motor. Along with re-designed and improved sensors complemented by an improved threading-up system to make Chrono X3 the feeder for the future.

S/Z switch

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

Pneumatic threading

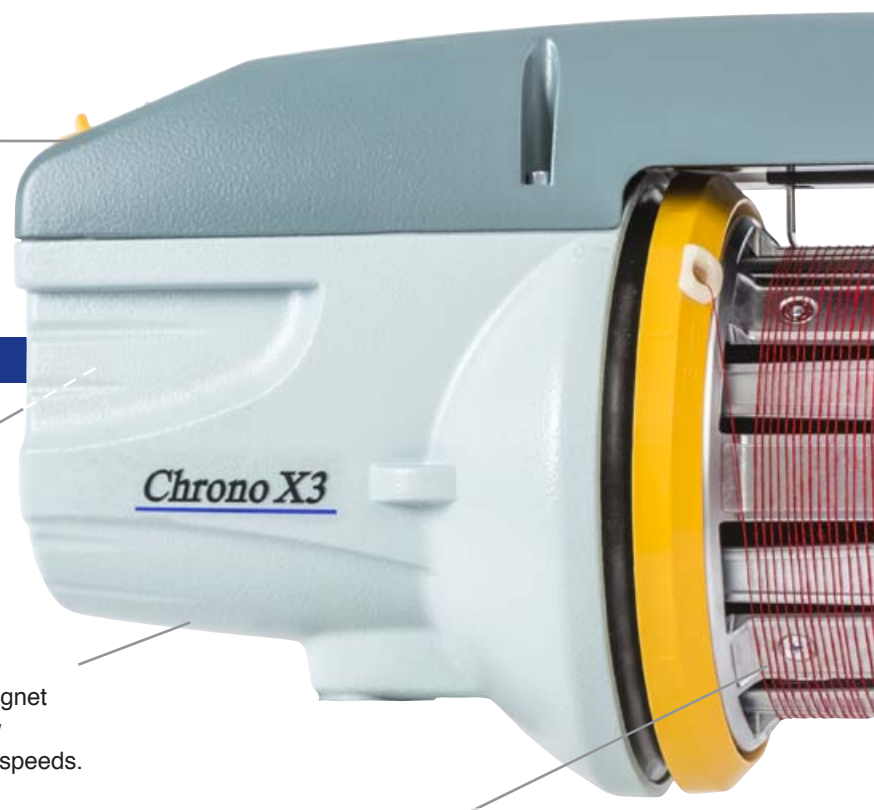
“Easy access” push-button system for fast “one-step threading” (through the entire feeder), or “half-threading” (from the input eyelet to the spool body).

Permanent magnet motor

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

Spool body

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



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 4 mm
- Wide yarn count range
- User-friendly design.
- Sealed spool body
- Insertion speed up to 1800 m/min
- Low operating temperature
- Accessory communications bus
- Complete “one-step” pneumatic threading*



Optical or mechanical sensor system

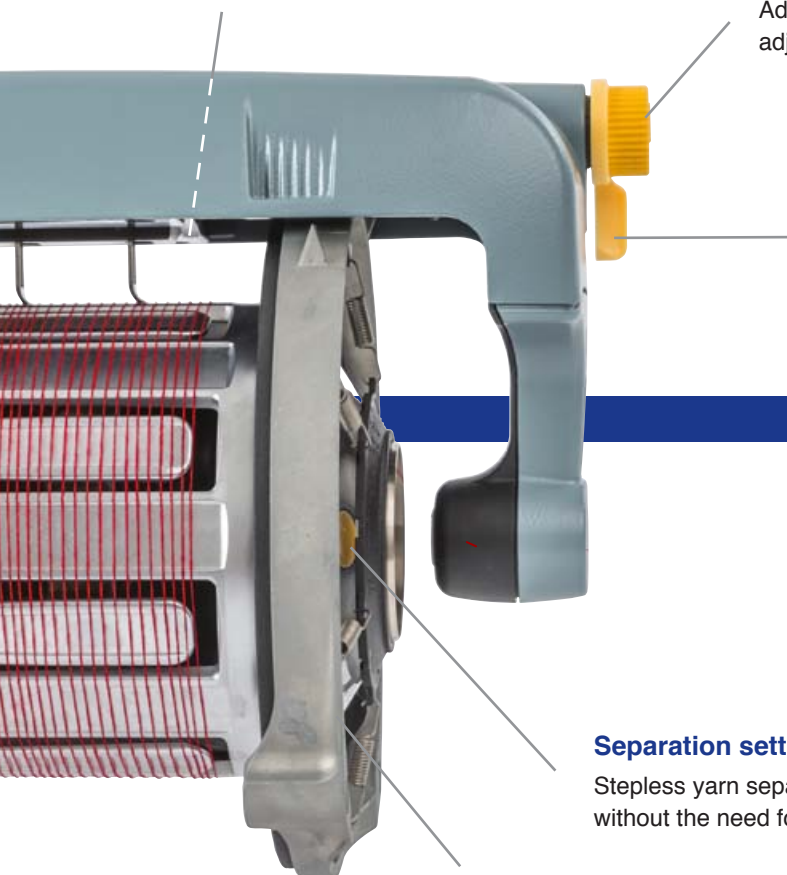
“Mechanical” or “optical” sensor systems (including an integrated yarn break sensor), ensures precise yarn reserve control.

Easy balloon adjustment

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

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.



Electronics / accessories

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

Separation setting

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

Spool body diameter

135 mm diameter drum

Technical specifications

- Controlled tensioner (TEC)*
 - S-Flex, new innovative compensating tensioner and balloon control*
 - Flex-Brake*
 - Lamella tensioner*
 - Coaxial output tensioner (CAT)*
- * = optional

Maximum speed	1800 m/min
Yarn count range	120 - 0.8 Nm and 20 - 5000 dtex
Winding direction	”S” and ”Z”
Yarn separation	4 mm
Sensor systems	Optical or mechanical
Spoolbody diameter	135 mm
Dimensions	220 mm height 420 mm length, 190 mm width,
Weight	8,6 kg

◀ VAN DE WIELE

CARPET AND VELVET WEAVING MACHINES



◀ BONAS

SHEDDING SYSTEMS



◀ TITAN

FINISHING MACHINES



◀ COBBLE

TUFTING MACHINES



innovation through creativity

USA • SWEDEN • UK • BELGIUM • FRANCE • GERMANY • ITALY • RUSSIA • TURKEY

SHENYANG • JINAN • SOUTH-KOREA • SHENGZE • SHAOXING • GUANGZHOU • HONG KONG • WUXI • TAICANG • TAIWAN • INDIA

vandewielegroup.com

iro
FEEDERS



ROJ
FEEDERS/CONTROLLERS



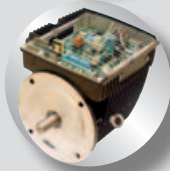
iro
MEMMINGER-IRO
KNITTING TECHNOLOGY



PROTECHNA
QUALITY ASSURANCE FOR TEXTILES



Aros electronics AB
MOTORS & DRIVES



Through research and development, in a close relationship with our customers, the Van de Wiele group offers a comprehensive range of equipment designed to exceed the ever-growing expectations of the textile industry.

We offer

- solutions for pile, plain, shaft and Jacquard weaving
- yarn tension and control for all knitting and weaving applications
- extrusion and tufting equipment
- quality assurance and inspection systems for knitting, weaving and warping
- finishing equipment.

Let us share our knowledge and expertise in textile technology with you.



ROJ

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 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

Wuxi IRO Technology Co.,Ltd
NO. 216 Chengnan Road, New
District
Wuxi, Jiangsu, P.R.China
Tel: (+86) 510 8536 3618
Fax: (+86) 510 8534 5808
irochina@iro.cn
www.iro.com.cn