



Chrono X3

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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.

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 DIAMETER

135 mm diameter drum

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

* = optional

TECHNICAL SPECIFICATIONS

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



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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