

XD X2

XD X3



Robustness • Reliability • Quality • Productivity • Versatility



ROJ®

XD - The Customised feeder

The countless variations in yarn fibres continue to make new and more rigorous demands on yarn tension control.

XD provides **unique solutions** to the demands of specialised applications.

Decades of experience in yarn feeding technology with a range of specialised yarns now culminates into the XD X2 and XD X3 – simply **the best choice** for your specialised application.



Example of applications

Mono filament 0,7- 2,5mm diameter

optical sensor, 700-watt motor, plasma coated spool-body parts and one-way bearing.

Mono filament 0,1- 0,7mm diameter

mechanical sensor, standard motor, hard chromed spool-body parts, one-way bearing, chromed sensor feet, XS separation and 30 degree nose piece.

or
optical sensor, standard motor, hard chromed spool-body parts, one-way bearing and 30 degree nose piece.

Aluminium wire 0,05 – 0,4 mm

optical sensor, standard motor, hard chromed spool-body parts, 42 degree nose piece and sealed circuit board area.

Aramidic fibre 3,0 mm flat

optical sensor, standard motor, spool body with special surface treatment, XL-separation, stiff bellow and 30 degree nose piece.

Jute

optical sensor, 700-watt motor, plasma coated spool-body parts, one-way bearing and 30 degree nose piece.

Roving texturized

optical sensor, standard motor, hard chromed spool-body parts with relaxing ramps and 30 degree nose piece.

Glass fibre parallel filament

optical sensor, standard motor, hard chromed and polished spool body parts, polished motor axle, polished eyelets and 30 degree nose piece.

Glass fibre twisted filament

optical sensor, standard motor, hard chromed spool-body parts and 30 degree nose piece.

Carbon fibre (not flat)

optical sensor, standard motor, hard chromed spool-body parts, 30 degree nose piece and sealed circuit board area.

Steel wire 0,05 – 0,3 mm

optical sensor, standard motor, hard chromed spool-body parts, 30 degree nose piece and sealed circuit board area.

Steel wire 0,3 – 0,5 mm

optical sensor, standard motor, hard chromed spool-body parts, 30 degree nose piece and sealed circuit board area.



ARAMID FIBRE

Flak Jacket; Belts; aeronautical and Shipbuilding; Sport tools.



CARBON FIBRE

Rolled for generic use in shipbuilding and car-building; sport tools; modelling.



POLYESTER

Protection Tarpaulin; Tyre cord.

NYLON

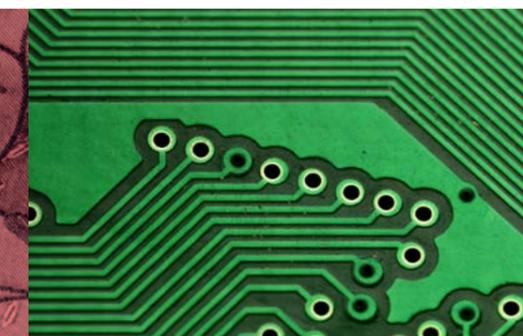
Air-Bags; Medical fabrics.

POLYPROPYLENE

Agricultural Tarpaulin; furnishing.

GLASS FIBRE

Building; shipbuilding and car building; Geo-technical materials; tapestry; printed circuits; modelling.



Your choices...

Customised solutions for unique applications – the choice is yours.

Start with your choice of motor, the XD X3 complete with standard permanent magnet motor or the XD X2 with an extra high torque permanent magnet motor.

Sensor system

Mechanical with chromed or plasma coated sensor feet
or
Optical with normal or extra-high sensitivity

Circuit board area

Normal protection or extra-sealed

Bellow

Stiff or extra stiff

Yarn separation

Extra small, normal or extra large inclined hub

Balloon control

With or without funnel

Connection cable

175, 300* or 500* cm
* = options for stand alone

Bearing

Standard or one-way

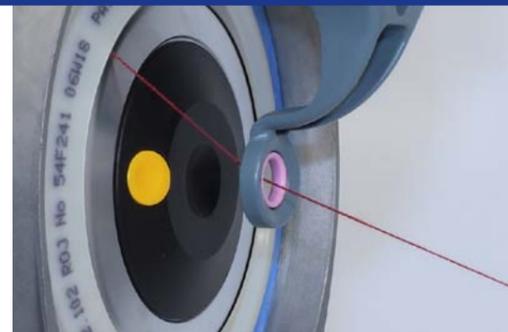
PM motor

Extra high torque (XD X2)
Standard torque (XD X3)



Output angle

30, 42 or 55 degrees



Eyelets

Polished or highly-polished



Motor shaft tube

Polished or highly-polished



Spool body

With or without relaxing ramp

Spool body surface

Chromed, polished or plasma coated

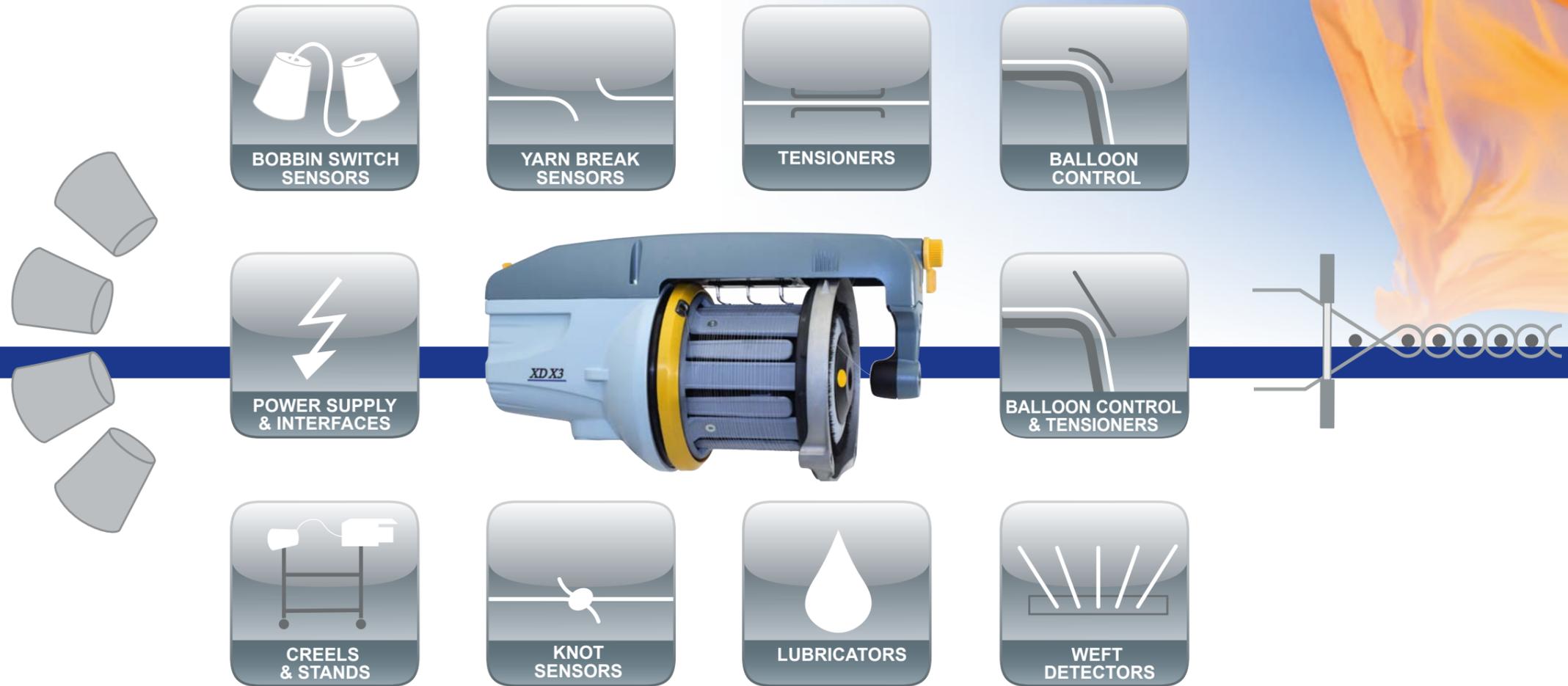
Front spool body surface

Smooth or ribbed surface



Accessories

To **optimise feeder performance** we have a comprehensive range of accessories, a selection of which can be seen below. For more details please visit our website to see the full range of accessories available.



CAT (Coaxial Output Tensioner)

Compensating tensioner for mid/low speeds
 - High-wear resistance
 - Self-cleaning tension surfaces.

TEC

Weaving machine controlled (CAN) active tensioner for optimal performance

BRUSH

Balloon control only
 - Versatile
 - Large variety of versions depending on yarn type

E-FLEX

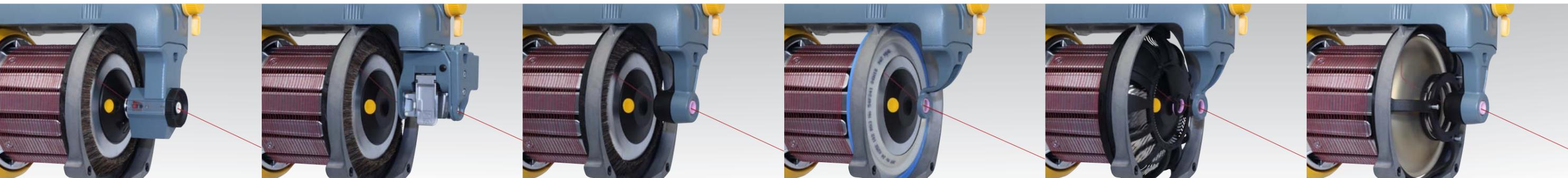
Compensating tensioner and balloon control.
 - High-wear resistance
 - Low dust creation/accumulation
 - Self-cleaning tension surfaces.

LAMELLA BRAKE

Tensioner and balloon control
 - High-wear resistance.
 - Self-cleaning tension surfaces.
 - Especially suitable for high-twist and silk yarns.

M-FLEX

Compensating tensioner and balloon control.
 - Excellent performance in low and high tension area
 - Self cleaning fusion area
 - Wear resistant



VAN DE WIELE
CARPET AND VELVET WEAVING MACHINES



BONAS
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FINISHING MACHINERY



innovation through creativity



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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, ...

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