

# HD X3

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The latest design on the X3 platform and is used for dusty and heavy yarns, such as flat polypropylene tape, nylon mono-filament and roving on projectile and rapier weaving machines used in the production of flooring and technical textiles.



## NEW YARN INPUT DESIGN

Input eyelet fixed with screws and a more robust construction



## NEW BALLOON CONTROL DESIGN

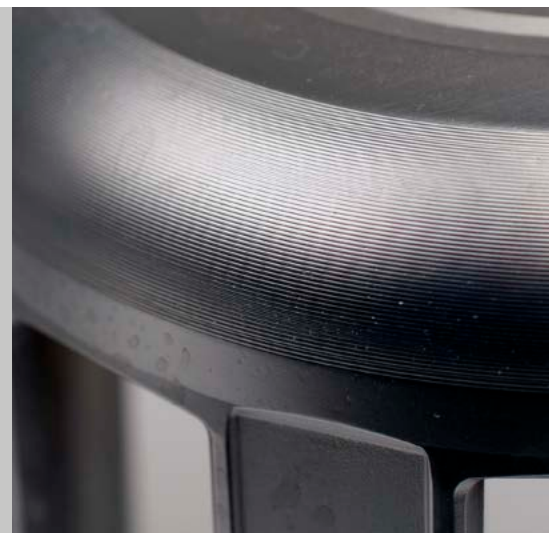
Quick release and adjustable position for balloon control funnel.

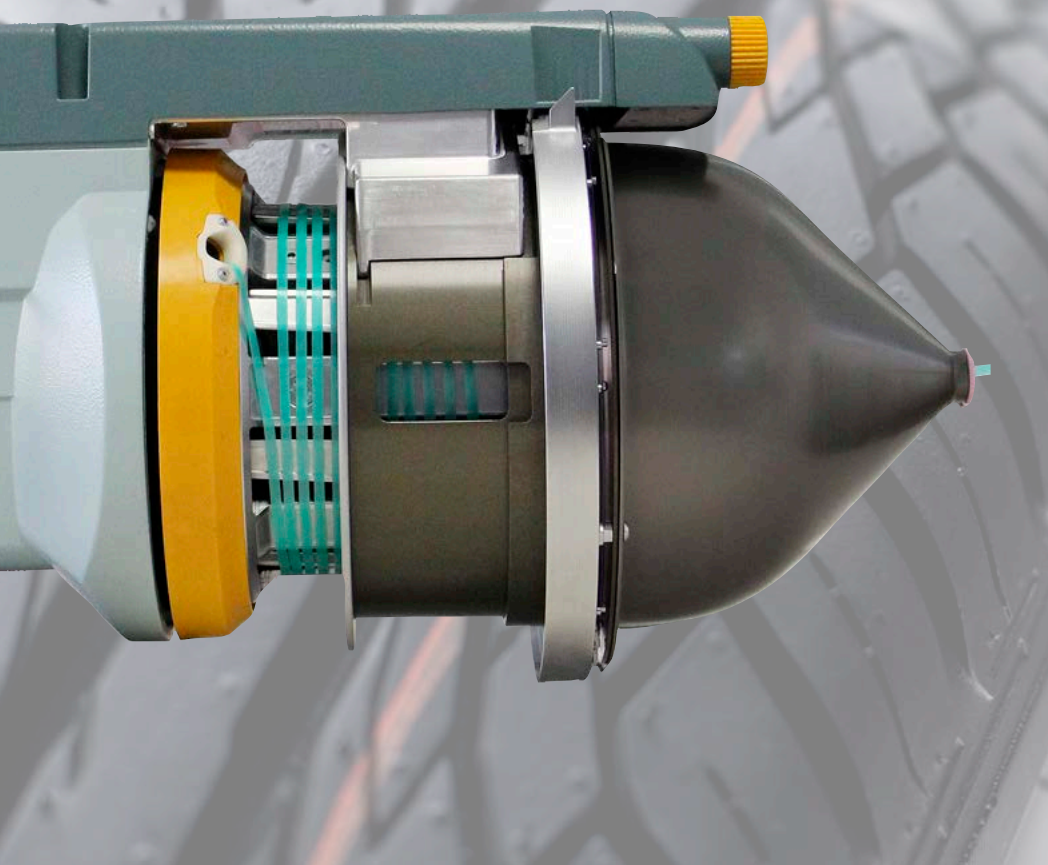
## NEW MOTOR

Improved motor control with more power available (700 W)

## ROVING VERSION

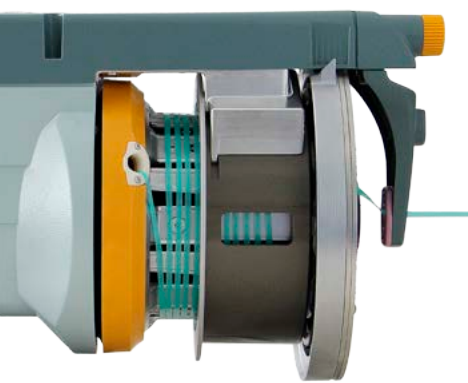
- Relaxing ramps to reduce the tension of the coils of weft on the spool body
- Ribbed surface on the output end of the spool body
- Polished eyelets
- Polished internal shaft
- Possibility to install an output tensioner in combination with the funnel
- Less dust accumulation
- Less broken filaments





## SPECIAL FEATURES

- Internal yarn channel up to 11 mm
- Quick release for balloon control funnel
- Adjustable position for balloon control funnel
- Compatible with X2/X3 generation VSB
- Low yarn friction through the feeder
- Consistent yarn separation across the spool body
- Pattern in advance (when used with CAN communication)
- Automatic speed and sensitivity control (PMM+CAN)
- No sensor calibration required
- Sealed against dust penetration
- Robust construction (full metal housing)
- Easy mechanical maintenance
- Low power consumption
- Input yarn break piezo sensor (optional)



## ALTERNATIVE OUTPUT CONFIGURATIONS

Fixed brushing holder  
or  
Balloon control funnel

## TECHNICAL SPECIFICATIONS

Maximum speed	1600 m/min
Yarn count range	from Nm 0.5 to 40 dTex
Winding direction	"S" and "Z"
Yarn separation MAX	4.5 mm
Sensor systems	Button down mechanical
Spoolbody diameter	135 mm
Dimensions	190 mm height 345 mm length 150 mm width
Weight	11.5 kg



CARPET WEAVING MACHINES

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VELVET WEAVING MACHINES

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TUFTING SYSTEMS

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ADVANCED KNITTING TECHNOLOGY

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YARN EXTRUSION LINES

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ADVANCED HEAT-SETTING SOLUTIONS

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SHEDDING SYSTEMS

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HARNESSES

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WEFT INSERTION SYSTEMS

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FINISHING MACHINES

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YARN TRADING

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QUALITY ASSURANCE FOR TEXTILES

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PRODUCTION MANAGEMENT SOLUTIONS

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MOTORS & DRIVES

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HIGH PRECISION IRON FOUNDRY

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BULK HANDLING

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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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