LohiaCorp

Precision/Step Precision Winders

for tapes/filaments

High Speed Precision Winding

Excellent Bobbin Quality

Low Energy Consumption

Increased Weaving Efficiencies

Precision/Step Precision Winders

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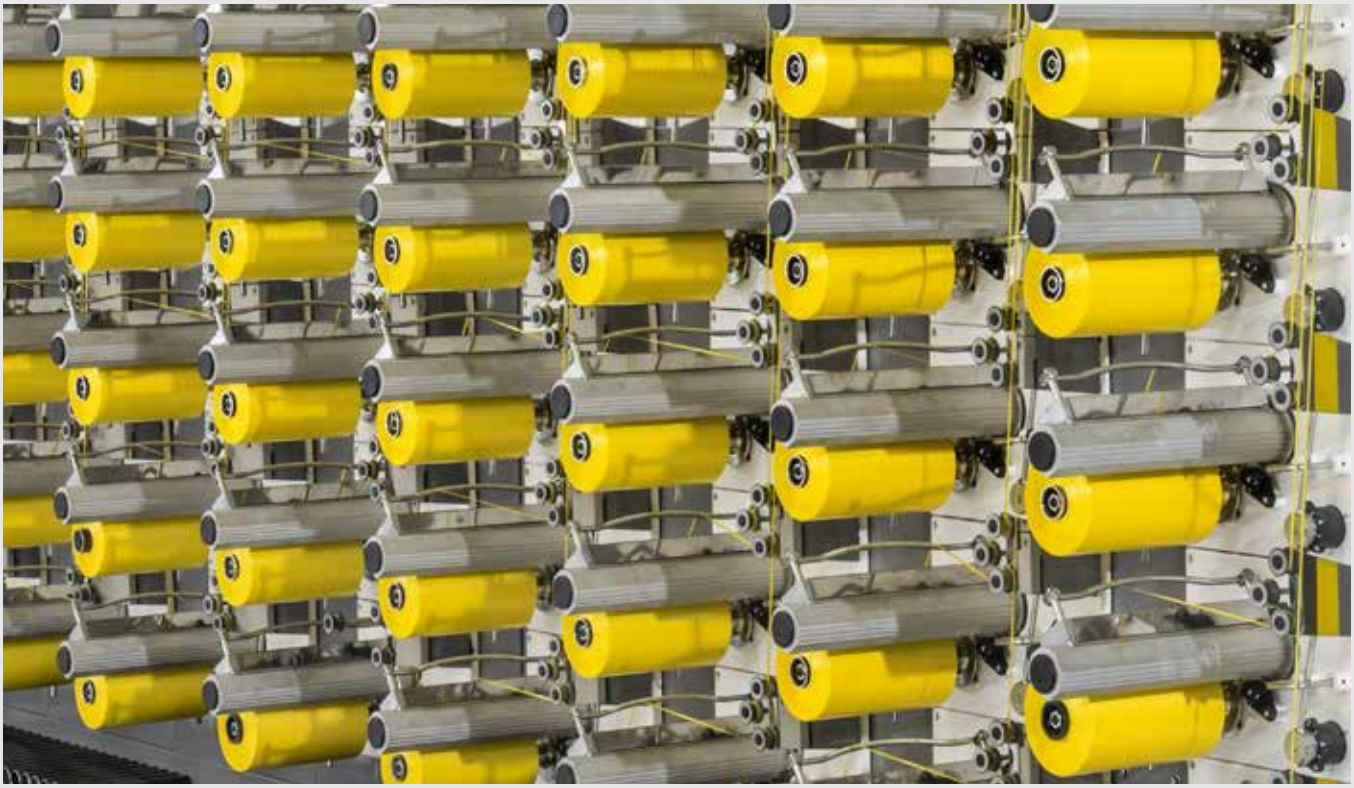

Precision Take-Up Cross-Winders

The precision cross-winding machine is designed for winding flat and fibrillated tapes on cylindrical cores, the warp & weft packages produced are used in circular and flat looms. The winders can wind a wide range of tape specifications - tape width, denier, etc.

This cross winding machine meets the requirements of highest precision and flawless quality at high working speeds. Each spindle on the winder is driven by an AC motor with individual frequency inverter. The drive transmission for traverse mechanism is via timing belts and pulleys.

Constant Tape Tension: Dancing arm feedback to the frequency inverter for winding speed enables winding at a constant tape tension.

Adjustable Spring Pressure Mechanism between pressure roller and rotating package for optimizing package quality.

Variable Pressure for Dampening Device allows jerk free movement of traverse mechanism to deliver a good quality package.

Precise Winding Ratio is obtained by a reversing scroll shaft drive via timing pulleys.

Machine Controller: A Microprocessor based control system is used for setting and adjusting various machine parameters and synchronization of speed with tapeline.

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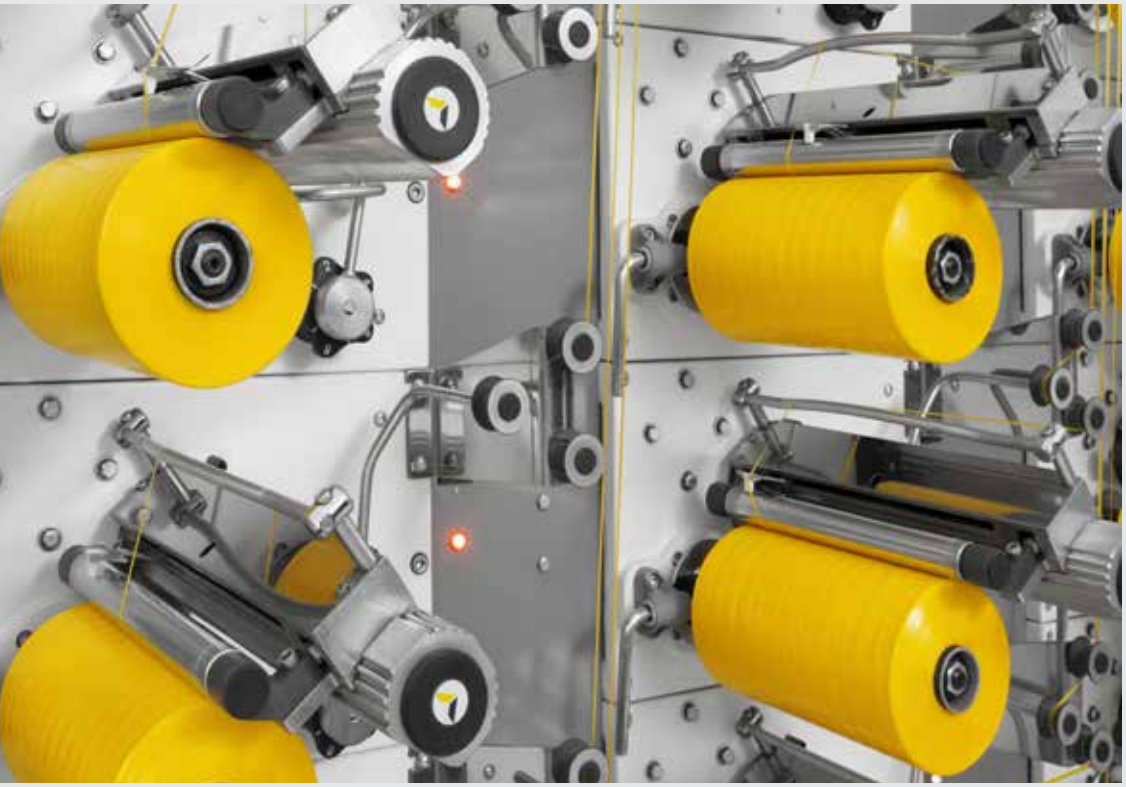
Designed to wind a wide range of tape specifications



Winding Speed Machanical
160 - 500# m/min

Lenght of Traverse
200, 250, 300 mm

Tape Width Range
1.8 - 6.0 mm#*

Denier Range
400 - 3000#

Step Precision Take-Up Cross-Winders

The step precision take up winding machine is equipped with electronic gearing system between metallic traverse cam and the spindle. The gearing system helps in eliminating the complications of changing gears for processing variety of tapes for different applications.

The gearing systems also allows a dynamic change of gear (winding) ratio depending on bobbin diameter, to optimize the bobbin build up in terms of crossing angle. Better quality of fabric can be produced due to controlled unwinding tension of the warp and weft packages.

Constant Tape Tension: Dancing arm feedback to the frequency inverter for winding speed enables winding at a constant tape tension.

Electronic Gearing between spindle and cam.

Encoder Feedback on spindle and cam motor.

LED Indication for preset length of bobbin enables doffing of bobbins at equal tape length.

Machine Controller: A Microprocessor based control system is used for setting and adjusting the various machine and process parameters, storage of recipes for different tapes and synchronization of speed with tapeline.

Preset Lengths: Different preset lengths can be set for different groups of winders.

Precision/Step Precision Winders

for tapes/filaments

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	LTW 200CM LFW 200CM	LTW 200FM LFW 200FM	LTW 250FM LFW 250FM	LTW 300FM LFW 300FM
Winding Ratio Setting	Mechanical	Mechanical	Mechanical	Mechanical
Tape Width Range	1.8 - 6.0 mm#*	1.8 - 6.0 mm#*	1.8 - 6.0 mm#*	1.8 - 6.0 mm#*
Denier Range	400 - 3000#	400 - 3000#	400 - 3000#	400 - 3000#
Length of Traverse	200 mm	200 mm	250 mm	300 mm
Bobbin Core - Inner Diameter	35 mm**	90 mm**	90 mm**	90 mm**
Bobbin Core - Length	218 mm**	230 mm**	280 mm**	330 mm**
Winding Speed Mechanical	160 - 450# m/min	160 - 425# m/min	160 - 425# m/min	160 - 425# m/min
Bobbin Diameter (max.)	160 mm	240 mm	280 mm	290 mm
Frame Configuration	6 High, 4 Across	4 High, 3 Across	4 High, 3 Across	4 High, 3 Across
Frame Size (L X W X H)	2.1 x 0.8 x 1.9 m	1.7 x 0.8 x 2.0 m	1.7 x 0.8 x 2.0 m	1.7 x 0.8 x 2.0 m

	LTW 200CE LFW 200CE	LTW 200FE LFW 200FE	LTW 250FE LFW 250FE	LTW 300FE LFW 300FE
Winding Ratio Setting	Electronic	Electronic	Electronic	Electronic
Tape Width Range	1.8 - 6.0 mm#*	1.8 - 6.0 mm#*	1.8 - 6.0 mm#*	1.8 - 6.0 mm#*
Denier Range	400 - 3000#	400 - 3000#	400 - 3000#	400 - 3000#
Length of Traverse	200 mm	200 mm	250 mm	300 mm
Bobbin Core - Inner Diameter	35 mm**	90 mm**	90 mm**	90 mm**
Bobbin Core - Length	218 mm**	230 mm**	285 mm**	330 mm**
Winding Speed Mechanical	160 - 500# m/min	160 - 500# m/min	160 - 500# m/min	160 - 500# m/min
Bobbin Diameter (max.)	160 mm	240 mm	280 mm	290 mm
Frame Configuration	6 High, 4 Across	4 High, 3 Across	4 High, 3 Across	4 High, 3 Across
Frame Size (L X W X H)	2.1 x 0.8 x 1.9 m	1.7 x 0.8 x 2.0 m	1.7 x 0.8 x 2.0 m	1.7 x 0.8 x 2.0 m

Specifications are subject to change without prior notice, due to continuous developments. These are indicative and not binding.
#Extreme values cannot be combined

* Traverse guides may need to be changed depending on the tape width

** Other options on request.
The pictures may show optional equipments that are not a part of the standard supply.
For details, refer to the quotation.

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