

SSM XENO-YD

Precision assembly winder

SSM XENO – the new modular winding machine platform, available with all three leading SSM winding technologies.

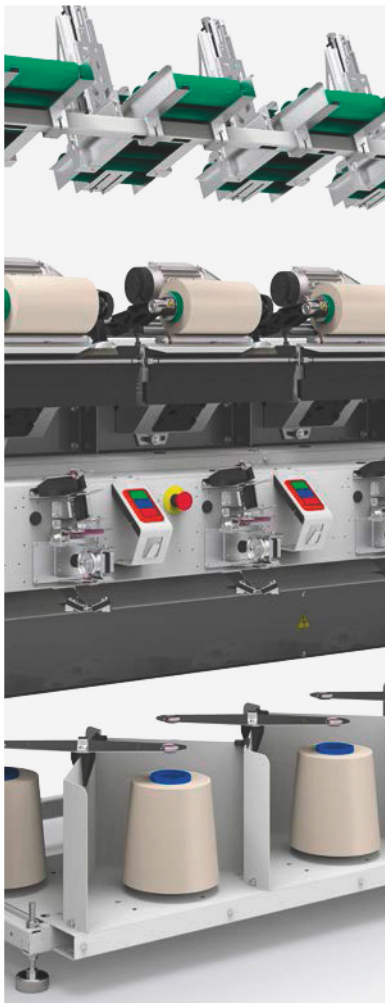
The SSM XENO-YD is a precision assembly winder for all kind of staple and filament yarns. Equipped with the latest technology and the possibility for adding an elastane component to the assembly process.

Key features

- ▶ Electronically adjustable precision winding for highest possible densities and best unwinding properties
- ▶ 15" touch-screen machine terminal for ease of use
- ▶ Optional automatic doffer system for maximum productivity
- ▶ Optional integrated 3-ply creel with individual yarn detection sensor for each ply



XENO-YD

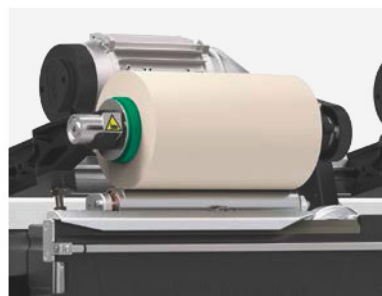


Basic machine

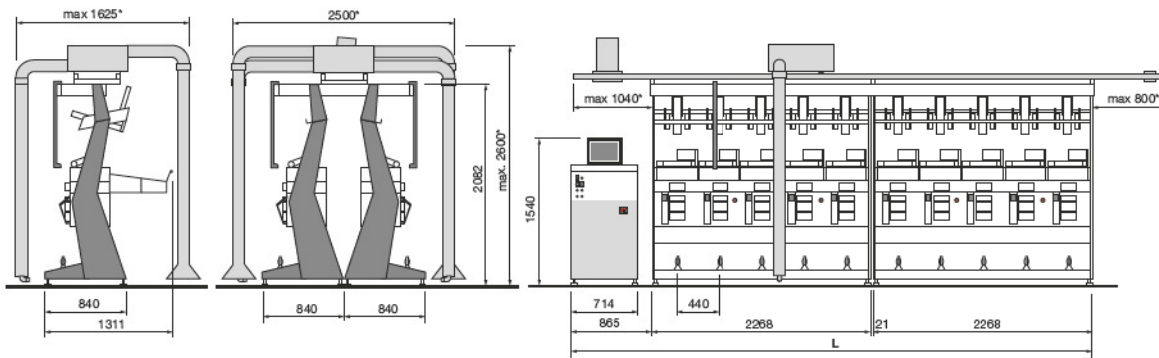
- Machine terminal with
 - touch-screen display
 - central input of the winding parameters per machine or per spindle
 - storing of the recipes
- Electronic length measuring system per spindle
- Diameter measuring system per spindle
- fastflex*™ thread laying system
- Individual spindle control and drive
- Mechanical backpressure system
- Central yarn cutter
- Electronic disc tension device controlled by yarn tension sensor
- Mechanical slub catcher
- Integrated 2-ply creel with individual yarn detection sensor for each ply

Options

- Automatic full package changer *doffer* (not available with elastane)
- Full package deposit tray or conveyor belt
- Electronically controlled and regulated backpressure system (non pneumatic)
- Dust protection blower (required for spun yarns)
- Positively driven, electronically adjustable elastane drawing device
- Overfeeding, gate or disc tension device for 2 or 3 plies, individually controlled by an online tension sensor
- Balloon separators
- Integrated 3-ply creel with individual yarn detection sensor for each ply
- Outboard creel with up to 8 plies (respectively 4 plies plus reserve package) per position
- Travelling blower with suction system



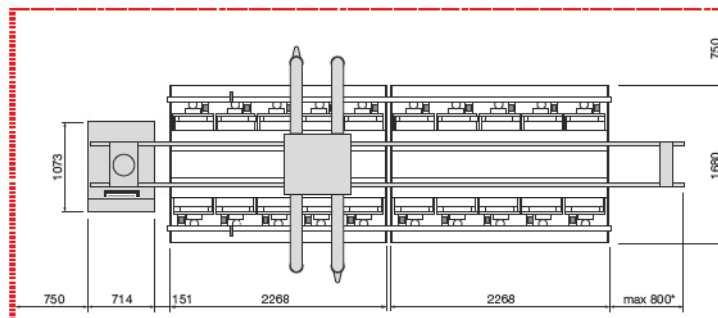
► Layout XENO-YD



* depends on the type of travelling blower

N° of spindles (in steps of 5)	L [mm]	
	single sided	double sided
5	3,133	—
10	5,422	3,133
:		
20	10,000	5,422
:		
40	19,156	10,000
:		
80	37,468	19,156

Weights	net
Section	450 kg
Head Stock	300 kg



Technical data XENO-YD

Types of winding	DIGICONE® 2 or precision
Mechanical speed	up to 2500 m/min (process speed depending on process parameters)
Package shape	freely programmable
Traverse length	25...270 mm electronically adjustable
Take-up package diameter	up to 300 mm
Package weight	up to 10 kg
Supply package diameter	2-plies up to 280 mm / 3-plies up to 240 mm (with balloon separators)
Yarns	staple yarns, monofilament, textured filaments, flat and twisted filament yarns, medium technical yarns
Count	Ne 1.5...240 / 10...4000 dtex
Take-up tubes	cylindrical or cones up to 5° 57' max. length 290 mm, min. base diameter 38 mm (smaller dia. upon request) max. diameter with automatic doffer: inner 90 mm, outer 96 mm
Layout	single or double-sided
N° of spindles per section	5 (single-sided) or 10 (double-sided)
N° of spindles min./max.	5 / 80 (single-sided) and 10 / 80 (2 × 40 double-sided, back to back)
Gauge	440 mm
Drive	individual
Installed power	~ 250 W per spindle
Power consumption	~ 100...180 W per spindle (dep. on winding parameters / options)
Blower (installed power)	up to 2200 W (depending on blower type and manufacturer)
Compressed air	6 bar (only required for machines with automatic doffer / pneumatic bracket opener)



XENO-YD



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