



Winding Machine Solution Provider

WSF
WANSHIFA TEXTILE MACHINERY



PRAPTI TEXCO
AGENCY IN INDIA

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WSF  **PRAPTI TEXCO**

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PRODUCT
CATALOG



Constant improving values and consistently giving back to the society
Xinchang · China

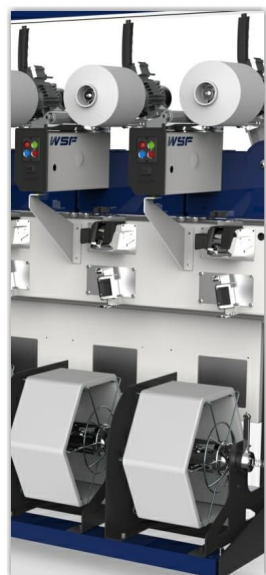
WSF200A >>>

Precision Winder(Hank to Cone)

WSF200A Precision Digital Winder is the ideal machine and a perfect solution for yarns that require active unwinding procedure. It is freely programmable and equipped with real time digital winding system which can set all winding parameters according to clients' requirements. With the most advanced active unwinding technology and programmable tension system, clients can accurately set yarn tension and make it consistent or variable throughout the winding process. Meanwhile, the electronic traverse system offers highest flexibility and productivity.

Main Features

- Advanced real-time digital tension system for yarn quality
- Digital winding system and precision winding technology
- Reasonable yarn path arrangement
- Sensitive feedback system to ensure yarn package density
- Independent motor drive and optional unwinding device for the quality of yarn winding
- Optimal design for space utilization and cost



Basic Configuration

A central control system includes

- touch screen
- central settings
- single spindle settings

Digital length measuring system

Yarn breakage/full package detection

Electronic yarn detector

Real-time digital tension system

Suitable man-machine operation

Dual purpose design

Options

Active unwinding device with

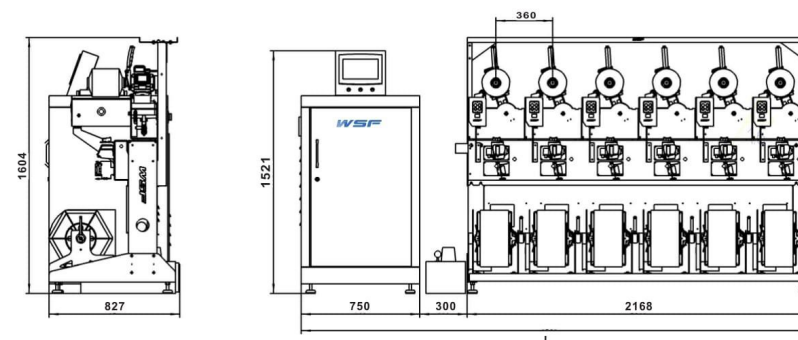
- stationary hank
- expanding hank with spring
- dye tube

Oiling device

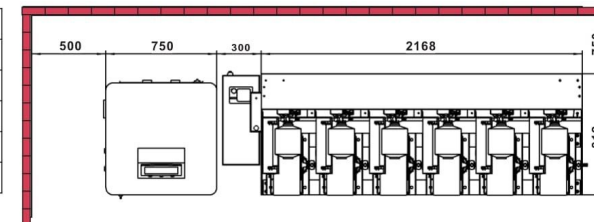
Tube shape



WSF200A Layout



spindles	6	12	18	24
length[mm]	3218	5386	7554	9722
	30	36	42	48
	11890	14058	16226	18394
			54	60
			20562	22730



Weight

Section ~460kg

Head ~200kg

Parameters

Type of winding	Digital or Precision
Mechanical speed	up to 1000 m/min (depend on yarn)
Package shape	freely programmable
Traverse	25~260 mm
Package diameter	up to 280 mm
Package weight	up to 5 kg
Yarns	textured or flat filaments, elastic yarns, silk, fine technical yarns
Yarn count	10~3000 dtex
Take-up tubes	3°30' Cone
Layout	Single sided
Spindle number per section	6
Number of spindles	Min. 6/Max. 60
Gauge	360 mm
Drive	Individual per spindle
Installed power	~300 W per spindle



WSF200B >>>

Precision Digiwind Vertical Winder(Cone to Cone)

WSF200B Precision Digital Winder is a new modular winding platform for all kind of staple and filament yarns suitable for dye package winding, warping preparation and rewinding with or without lubrication or waxing. This machine is freely programmable and equipped with real-time digital tension system, which provide a comprehensive tension control to improve yarn quality and production efficiency.

Main Features

- Advanced real-time digital tension system for yarn quality
- Digital winding system and precision winding technology
- Reasonable yarn path arrangement
- Sensitive feedback system to ensure yarn package density
- Independent motor drive and optional unwinding device for the quality of yarn winding
- Optimal design for space utilization and cost



Basic Configuration

A central control system includes

- touch screen
- central settings
- single spindle settings

Digital length measuring system

Yarn breakage/full package detection

Electronic yarn detector

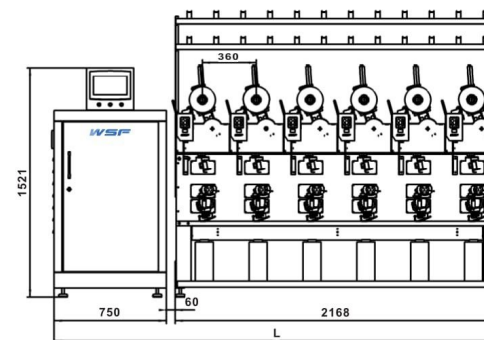
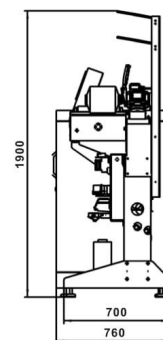
Real-time digital tension system

Options

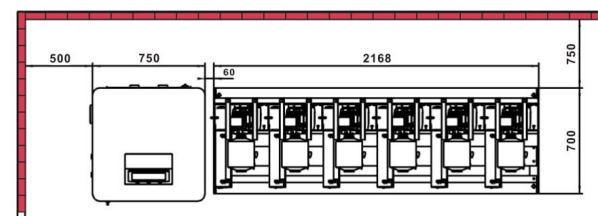
Oiling device
Tube shape



WSF200B Layout



spindles	6	12	18	24
length[mm]	2978	5146	7314	9482
	30	36	42	48
	11650	13818	15986	18154
		54	60	66
		20322	22490	24658



Weight

Section	~460kg
Head	~200kg

Parameters

Type of winding	Digital or Precision
Mechanical speed	up to 1000 m/min (depend on yarn)
Package shape	freely programmable
Traverse	25~260 mm
Package diameter	up to 280 mm
Package weight	up to 5 kg
Yarns	textured or flat filaments, elastic yarns, silk, fine technical yarns
Yarn count	10~3000 dtex
Take-up tubes	cylindrical or 3°30' Cone
Layout	Single sided
Spindle number per section	6
Number of spindles	Min. 6/Max. 60
Gauge	360 mm
Drive	Individual per spindle
Installed power	~300 W per spindle





WSF618B-LS >>>

Draw Heat-setting Winder



TECHNICAL DATA

Spindle gauge	450 mm
Number of spindles	4 spindles one machine
Traverse Length	150~210 mm infinitely variable
Take-up tubes	cylindrical
Package weight	up to 2 kg
Yarns	filament sewing thread, twisted technical yarn
Temperature range	room temperature to 300 °C
Mechanical speed	up to 500 m/min
Installed power	1.3 kw/spindle (single heat)
Machine size	Length 2.27 m x Width 0.92 m x Height 1.37 m
Options	oiling device; double heat rollers

WSF618B-LS Draw Heat-setting Winder



Draw Heat-setting Winder

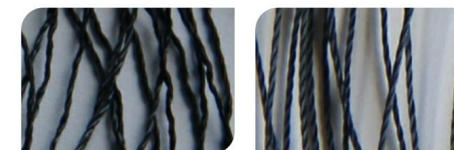
- ◇ WSF618B-LS Draw Heat-setting Winder is especially designed for twisted filament yarns such as sewing threads. It can advance properties of the yarn such as :
 - elongation
 - shrinkage
 - tenacity
- It solves several problems in traditional draw process such as uneven thickness , strength degradation and incomplete shape.

Further Features

- Digital length measuring system spindle
- Yarn breakage/full package detection
- Constant temperature closed-loop control system
- Constant speed winding closed-loop control system
- Single spindle drive and independent control
- System for central machine control
- Cross double roller drawing and heat-setting device

Improment of Yarn

- ◇ Relax the yarn and no loop tendency
- ◇ Make yarn much straighter
- ◇ Achieve a specific yarn strength and elongation



Before and After Drawing

WSF618B-LS Layout

