



**Veejay Lakshmi  
Engineering Works Ltd.**



**Precision Propeller Assembly Winder**

**Random Assembly Winder**



# PRECISION PROPELLER ASSEMBLY WINDER



For a quality package from TFO, assembling is the crucial factor.

**VJPW-6 / VJPW-8 Precision Propeller Assembly Winders** are designed to satisfy the needs of the customer in all aspects of Quality and Productivity. With VJPW-6 / VJPW-8 precision winding, it is possible to attain maximum density package for optimum utilisation of TFO machine as well as to give its improved efficiency. Because of no split and no patterning zones in this winding system, smooth unwinding in twisting is assured. The unique yarn laying is with the gentlest handling of the counter rotating blades; this and the straight yarn path ensure the extremely gentle yarn treatment at higher winding speeds.

## FEATURES

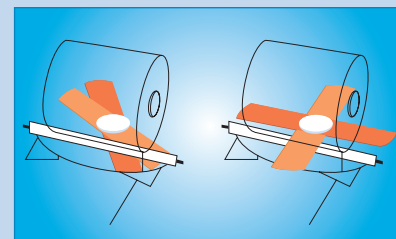
- Traverse system by counter-rotating blades
- No slippage and no pattern
- Individual speed control
- Centralised Machine Controls
- Touch-screen display
- Central input of the winding parameters
- Fault locating System
- Spindle Status Monitoring
- Length measuring system
- Optical yarn detectors and cutter
- Motorised Tensioner assembly
- Universal Peg System
- Adjustable creel stand
- Visual doff indication and Alarm indication



**VJPW-6 / VJPW-8**

**TECHNICAL SPECIFICATIONS**

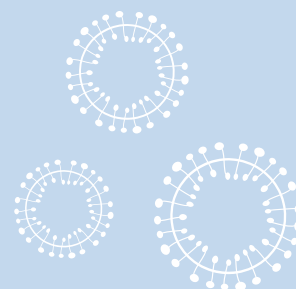
Machine	Assembly Winder
Type	Precision - Propeller
Mechanical speed (Process speed depending on process parameters)	Upto 1000 MPM for 6" machine Upto 800 MPM for 8" machine
Package	Cylindrical
Traverse	6" (152mm) / 8" (200mm)
Take up package dia.	300mm(max)
Supply package dia.	250mm for 2ply 220mm for 3ply 180mm for 4ply
No. of ply	2ply / 3ply / 4ply
Count	6's to 120's Ne
No. of Spindles / section	3 nos. (Single sided)
Section length	1550mm
Controls	Centralised control with touch screen
Drive	Individual inverter
Installed power	246w/spl
Tension Assembly	Motorised tensioner
Yarn cutter	One per spindle
Optional	Conical package



The Bi - Rotor system supports for handling of yarns and precise yarn laying to the whole package with constant winding ratio, which also ensures the quality package with No pattern Zone, No Slippage, extremely best unwinding characteristics and optimum utilisation of TFO machines.



Individual drive control, length control per spindle and all parameter setting through the centralised control with easy touch screen display.



# RANDOM ASSEMBLY WINDER / REWINDER



VJAW-6 / VJAW-8 / VJRW-6

## ASSEMBLY WINDER

From the incessant research towards product quality and technological innovation, Veejay Lakshmi has revealed a user friendly Random Assembly Winder / Rewinder Machine which has robust design with simple and ergonomic concepts, produces packages with a variety of yarns and sizes. The Random Assembly Winder / Rewinder is focused to minimal wear and therefore requires very less maintenance. Each individual winding head of the machine is fitted with a drive motor piloted by an inverter or group of drums controlled by single inverter which ensures programmable take up speed, soft start according to the parameter of doubling to produce better quality packages with higher production and considerable power saving.

## FEATURES

- Straight yarn path ensures minimum yarn abrasion in spite of higher speeds
- Reduced mechanical moving parts ensure minimal maintenance
- Double arm steel cradle with adjustable pressure points for optimal package
- All yarn contact parts are made of ceramic to ensure minimum abrasion
- Individual spindle driving technologies for higher production with less power consumption
- Advanced Data monitoring system to view information about machine
- Fault identifying systems to support preventive and breakdown maintenances
- Own language selection for feasibility in work of an operator
- High response sensor controls minimise the single yarn wound into take up package
- Length counting and monitoring for each spindle from centralised controls
- Programmable Anti patterning system
- A centralised control with touch screen system ensures trouble free and time savings operation

# RANDOM ASSEMBLY WINDER / REWINDER

## TECHNICAL SPECIFICATIONS

Machine	VJAW-6 Assembly Winder	VJAW-8 Assembly Winder	VJRW-6 Rewinder
Type	Random	Random	Random
Mechanical speed (Process speed depending on process parameters)	Upto 1000 MPM	Upto 1000 MPM	Upto 1000 MPM
Package	Cylindrical	Cylindrical	Conical
Traverse	6" (152mm)	8" (203mm)	6" (152mm)
Take up package dia.	280mm (max)	280mm (max)	280mm (max)
Supply package dia.	250mm for 2ply 220mm for 3ply 160mm for 4ply	250mm for 2ply 220mm for 3ply 160mm for 4ply	300mm
No. of ply	2ply / 3ply / 4ply	2ply / 3ply / 4ply	-
Count	6's to 120's Ne	6's to 120's Ne	6's to 120's Ne
No. of Spindles/section	10 nos. (Double sided)	8 nos. (Double sided)	10 nos. (Double sided)
Section length	2176mm	2100mm	2176mm
Controls	Centralised control with touch screen	Centralised control with touch screen	Centralised control with touch screen
Drum Drive	Individual Motor	Individual Motor	Individual Motor
Installed power	100w/spl	100w/spl	100w/spl
Tension Assembly	Motorised tensioner	Motorised tensioner	Motorised tensioner
Wax Assembly	-	-	Motorised Waxing system
Yarn cutter	One per Head	One per Head	-
Optional	Conical package	Conical package	Provision for Yarn clearer Yarn cutter

### Random Assembly Winder & Rewinder VJAW-6 / VJRW-6

Number of Spindles	10	20	30	40	50	60	70	80	90	100	110	120
Length (L) mm	2676	4852	7028	9204	11380	13556	15732	17908	20084	22260	24436	26612

Width (W) : 1050 mm

### Random Assembly Winder VJAW-8

Number of Spindles	8	16	24	32	40	48	56	64	72	80	88	96	104	112
Length (L) mm	2600	4700	6800	8900	11000	13100	15200	17300	19400	21500	23600	25700	27800	29900

Width (W) : 1050 mm

### Propeller Winder VJPW-6 / VJPW-8 / VJSPW

Number of Spindles	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48
Length (L) mm	2050	3600	5150	6700	8250	9800	11350	12900	14450	16000	17550	19100	20650	22200	23750	25300

Width (W) : 1000 mm

# PRECISION PROPELLER SOFT PACKAGE WINDER

## SOFT PACKAGE WINDER - VJSPW

The package weight and density are two important parameters which are to be standardised for uniform and trouble free dyeing. Veejay Precision Propeller soft package winder has been designed to satisfy the requirements of the trouble free dyeing as well as in all aspects of Quality and Productivity. With Veejay precision soft package winder, it is possible to attain the required density package or according to the need in dyeing, for Optimum utilisation in the proceeding process as well as to give its improved efficiency. Because of no patterning zones in this winding system, smooth and speed unwinding is assured. The unique yarn laying is with the gentlest handling of the counter rotating blades; this and the straight yarn path ensure the extremely gentle yarn treatment at higher winding speeds.

## TECHNICAL SPECIFICATIONS

Machine	Soft Package Winder
Type	Precision - Propeller
Mechanical speed (Process speed depending on process parameters)	Upto 1000 MPM
Package	Cylindrical / Conical
Traverse	6" (152mm)
Take up package dia.	300mm (max)
Supply package dia.	300mm
Count	6's to 120's Ne
No. of Spindles / section	3 nos. (Single sided)
Section length	1550mm
Controls	Centralised control with touch screen
Drive	Individual inverter
Installed power	373w per spindle
Tension Assembly	Individual electronic tension system

## FEATURES

- Traverse system by counter-rotating blades
- No slippage and no pattern
- Individual speed control
- Centralised Machine Control
- Touch-screen display
- Central input of the winding parameters
- Fault locating System
- Spindle Status Monitoring
- Length measuring system
- Individual Electronic tension system
- Universal Peg System
- Adjustable creel stand
- Visual doff indication and Alarm indication



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