

SRW Rewinder

Major Specifications		
1 .	Winding method	Single-row vertical winding on both sides
2 .	No. of spindles	100, 84, 68, 52
3 .	Machine structure	Single-row vertical winding on both sides Pitch between spindles: 200 mm
4 .	Winding speed	Stepless speed change: 200 – 600 m/min. (depending on the inverter used)
Winding Section (Specified dimensions indicate maximum values.)		
1 .	Winding shape	Straight-type pirn
2 .	Winding pirn	420mm
3 .	Maximum traverse length	400mm
4 .	Nominal winding amount	3000g
5 .	Maximum winding diameter	130mm
6 .	Spindle arrangement and bearings	Linearly arranged spindles and inserted/fixed bearings
7 .	Winding direction	With S/Z selector switch
Tenser Section		
1 .	Tension unit	Combination of gate tenser and spring tenser
Yarn Feeding Section		
1 .	Yarn feeding form	Max. diameter: 330 mm, Max. height: 460 mm Pirn, cheese or corn (zigzag alignment)
Traverse Section		
1 .	Traverse drive method	By servo motor and ball screw
2 .	Pirn forming	Warp wind and filling wind
3 .	Traverse speed	10 – 70 mm/sec. (back/forth speed changeable)
4 .	Traverse creeping device breaker	0mm ~ 5mm
5 .	Bunch wind	(at the pirn top)
Control Section		
1 .	Control panel	Operation panel (touch panel type)
2 .	Quantitative auto stop unit	Total spindle simultaneous stop by digital timer
Motor Section		
1 .	Spindle drive	84/100 spindles, 5.5 kW, 4P x 1 unit 68/52 spindles, 3.7 kW, 4P x 2 units
2 .	Traverse drive	By servo motor, 1 kW x 1 unit
Others		
1 .	Radio disturbance preventive measures	Noise filter
2 .	Machine dimensions	100 spindles/12800 mm, 84 spindles/11200 mm
Optional Items		
1 .	Oiling unit	Circulation type, Oiling tank door and oil level sensor added
2 .	Yarn feeding section	Drum cheese-compliant yarn feeding unit
3 .	Voltage conversion	Transformer (for power voltage of other than 200 – 220 V)
4 .	Traverse section	Roller-type traverse guide
5 .	Spindle brake	All spindles with brake
6 .	Safety device	With excessive winding diameter detection sensor
7 .	Carriage	Yarn transfer carriage

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In combination with a double twister, etc., this model will contribute to improved productivity, higher quality and energy savings.

A large-type pirn, cheese, corn, etc. can be rewound to an optimum yarn feeding pirn for each type of machine.

●Excellent Tension Unit

The combination of a special gate tensor and a spring tensor applies fluctuation-free tension to both flat yarns and textured yarns. Using a bar tensor at the same time for yarns with low raveling performance disperses tension and prevents fluff. A gate tensor, shown on the right, is also available as an option.



●Pirn Forming Using Digital Operator

Conditions such as denier, yarn speed, winding amount, winding density, traverse length, traverse speed, creeping length, etc. can be input directly through the touch panel at your fingertips.

A gear change is not required and condition setting is simplified. Pirn forming is computer-controlled based on the input data.

In addition to general warp winding, special filling wind is provided as a standard feature to handle span-like yarns with poor raveling performance.



●Constant Yarn Speed Regulator and Quantitative Auto Stop Unit

The traverse length (servo motor) and spindle rotation speed (inverter) are simultaneously controlled by computer, based on the winding form set by Digital Operator, as the winding time passes. A total spindle simultaneous stop unit is provided. Sets of winding in small amounts are also available.

●Larger Packaging of Yarn Feeding Cheese

A maximum yarn feeding cheese is @290 mm in diameter, when aligned in a zigzag pattern.

An optional yarn feeding unit is available for switching the drum cheese (max. diameter: @350 mm) of the spin & draw unit to either a pirn or cheese type.

A separate-type creel is optionally available.

