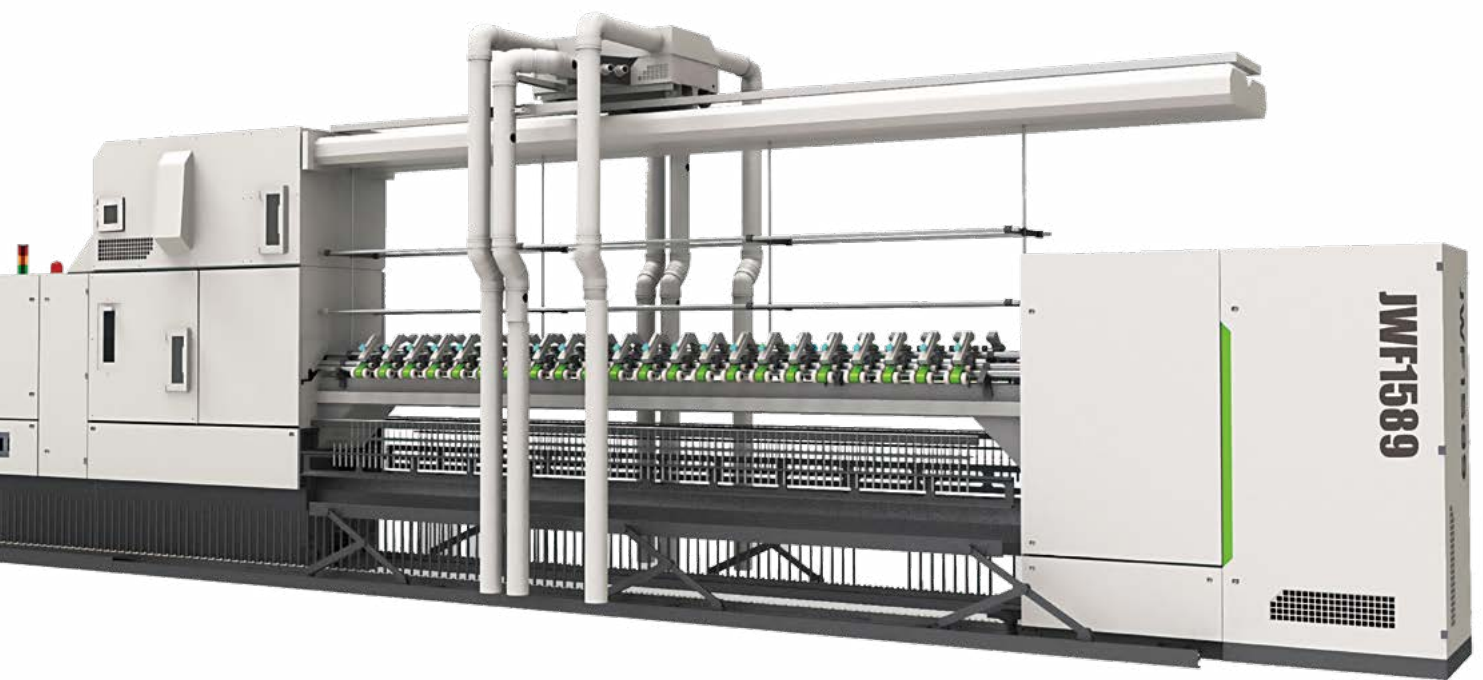




# RING SPINNING

JWF1589 | JWF1579



e-brochure



Preeminent supplier of  
**TEXTILE EQUIPMENT**

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# MAIN FEATURES



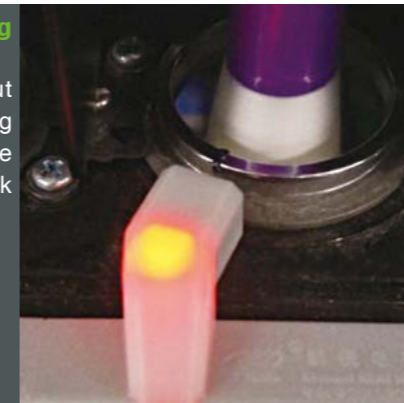
**Electronic drafting**  
Servo drivers are adopted instead of twist changing gear and total changing gear to realize processing parameter be adjusted on line, which widen the application scope of RSF spinning process. The Max. multiple is over 100 times.



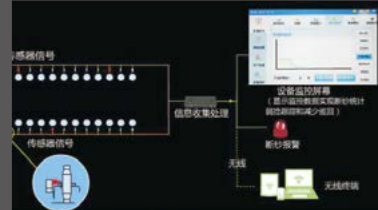
**Active and stable positive lifting system**  
Ring rail and the yarn guide plate adopt active and stable lifting system, which makes it more stable and reliable in the process of moving up and down at high speed and also avoids problem of ring rail gauge out for a long time.



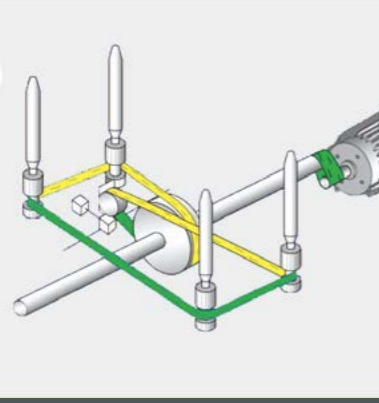
**Precise doffing-tube counting device**  
Counting convex disc without tube is fitted in the non-spinning position to avoid empty tube at doffing and reduce work load in winding process.



**Individual spindle broken-end detection device**  
Individual spindle speed, broken weak twist etc, can be detected precisely and yarn reserving rate, precise production etc. can be counted and improve efficiency of spinning machine, reduce labor costs and promote operation ability.



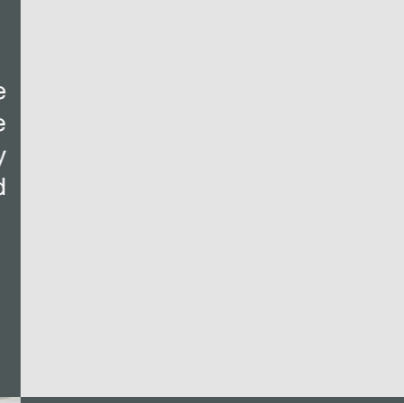
**Energy-saving technology**  
Energy-saving motor, energy-saving tape, energy-saving tension device and energy-saving spindle are adopted.



**Precise doffing-tube counting device**  
Counting convex disc without tube is fitted in the non-spinning position to avoid empty tube at doffing and reduce work load in winding process.



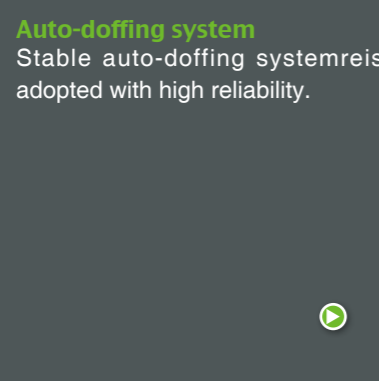
**Electronic twisting**  
The front roller speed can be adjusted automatically to ensure spindle running synchronously with roller and twist adjusted easily.



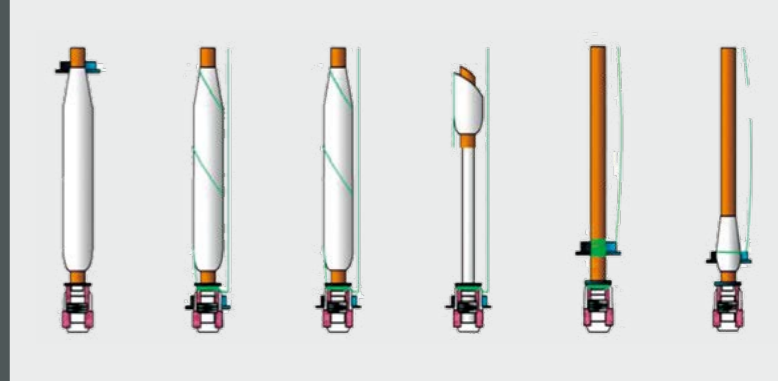
**New type over prolongation frame**  
One-piece intermediate frame, and high-precision spindle rail can meet the requirement of high speed spinning.



**Auto-doffing system**  
Stable auto-doffing system is adopted with high reliability.



**Electronic braking system**  
Precise yarn-end reserve, electronic braking and power interruption simultaneously can control brake motion rapidly and precisely, improve yarn reserving rate or avoid yarn-end cleaning. Electronic braking system is necessary for yarn clamping spindle.



**High speed in the entire section installation**  
The modular design of the entire installation technology makes the machine more stable at the speed of 22000~25000 rpm, and the installation time is greatly shortened.



**Compact spinning system (Optional)**  
Integrated designed four roller compact system can improve yarn hairiness index.



**Spinning technology expert system**  
Spinning technology one key guide function: 10 sets of technology parameter are built into the program. The parameter can be invoked according to spinning varieties. Customer can revise or save the parameters conveniently for the customer when changing spinning variety.

**Automatic bobbin readying unit (Patent technology)**  
Labor saving and effort saving guarantee



# CONSTANTLY INNOVATIVE EXPANSION FUNCTIONS

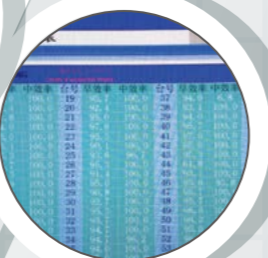
Roving feeding stop system



5



4



On-line monitoring management network system

Colored yarn intelligent spinning controlling system



3

2



Roving-Spinning combined and Spinning-Conner combined can be realized

Can be fitted with soft and smooth spinning unit and core-spun yarn unit.



1



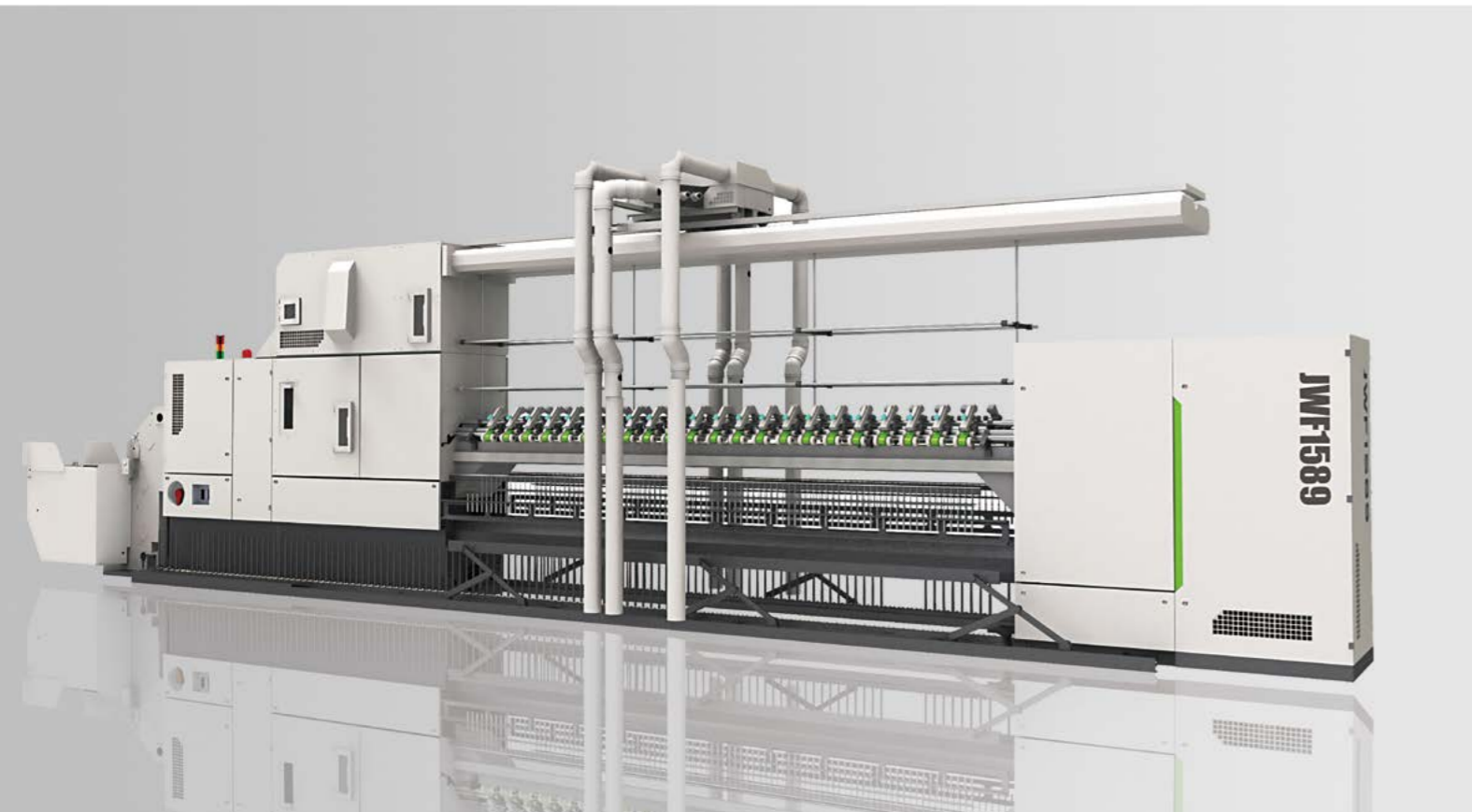
**HIGH SPEED, EFFICIENCY, ENERGY CONSERVATION, LABOR SAVING, QUICK LINSTALLATION AND INTELLIGENT**



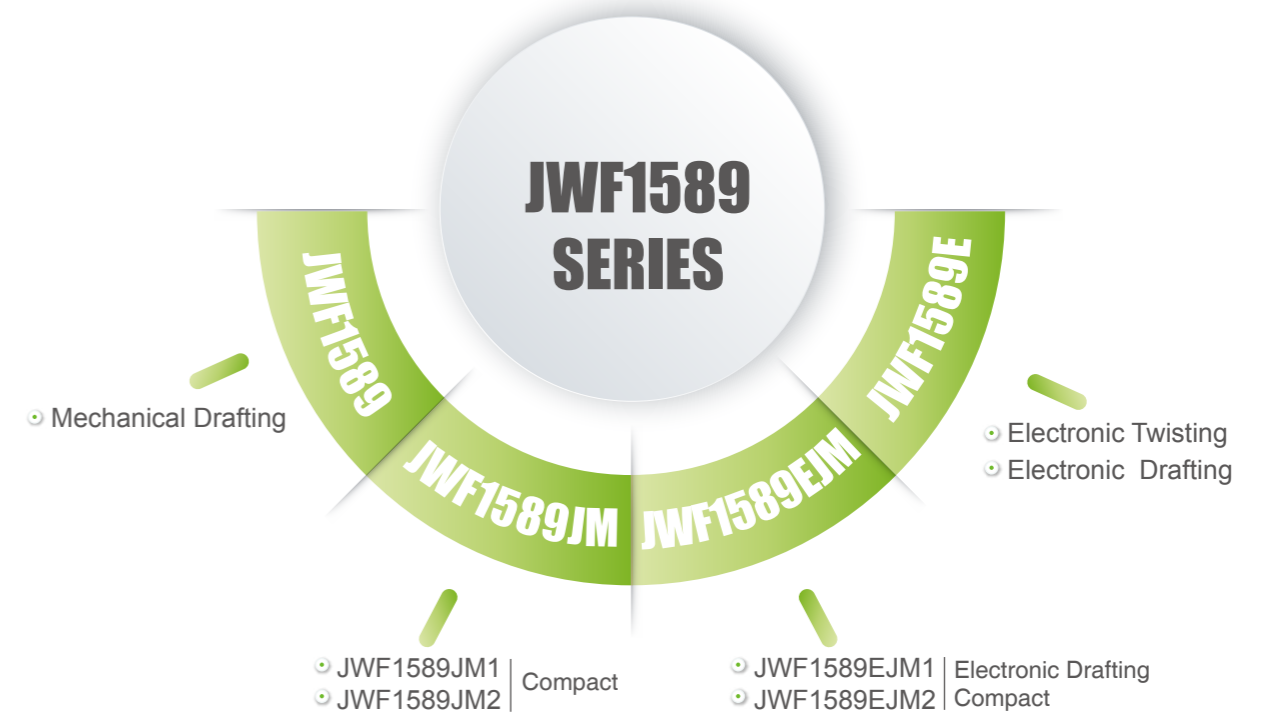
# HIGH-SPEED INTELLIGENT SERIES

## JWF1589

### RING SPINNING FRAME

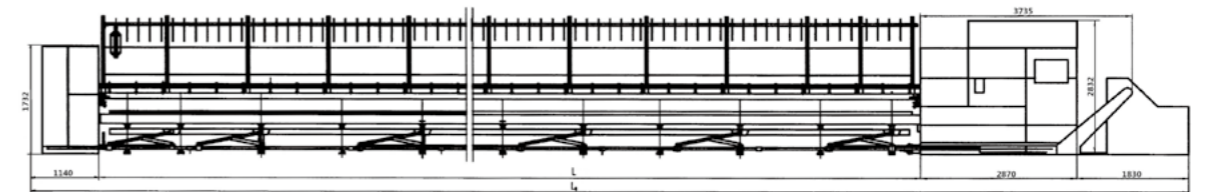


JWF1589 Ring Spinning Frame is a new high-speed intelligent series ring spinning frame developed according to the trend with the existing mature technology and international advanced structure. The machine adopts modular and industrial integration design. Ring rail plate and yarn guide plate adopt active, stable and positive liting system which can be equipped with electronic twisting, electronic drafting or mechanical drafting technology, and features of quick installation of entire section packing. Slub-yarn system, compact system, individual spindle broken-end detection system, roving feeding stop device and spandex core-spun yarn device are optional. The machine runs more stably and reliably at 22000~25000 rpm.



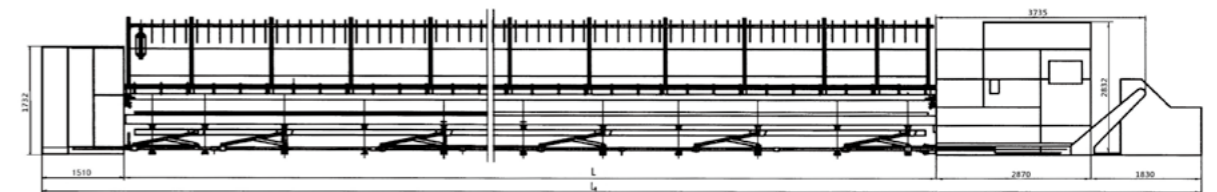
JWF1589 Ring Spinning Frame with mechanical drafting.  
 JWF1589E Ring Spinning Frame with electronic twisting and electronic drafting.

### FOUNDATION AND LAYOUT OF JWF1589 SERIES



Type	A Series					B Series					C Series					D Series								
Sspindles	792	864	936	1008	1080	1152	840	912	984	1056	1128	1200	828	900	972	1044	1116	1188	804	876	948	1020	1092	1164
L	28050	30570	33090	35610	38130	40650	29730	32250	34770	37290	39810	42330	29130	31830	34350	37290	39390	41910	28470	30990	33510	36030	38550	41070
L <sub>0</sub>	33890	36410	38930	41450	43970	46490	35570	38090	40610	43130	45650	48170	35150	37670	37670	43130	45230	47750	34310	36830	39350	41870	44390	46910

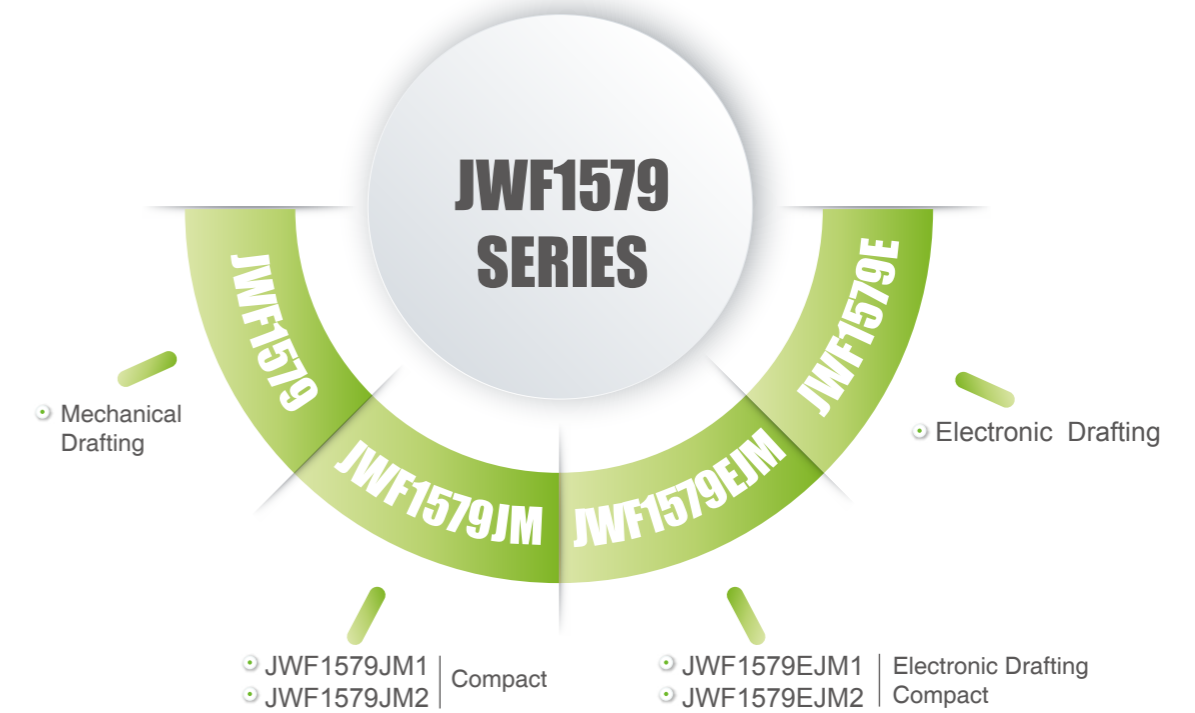
### FOUNDATION AND LAYOUT OF JWF1589E SERIES



Type	A Series					B Series					C Series					D Series								
Sspindles	792	864	936	1008	1080	1152	840	912	984	1056	1128	1200	828	900	972	1044	1116	1188	804	876	948	1020	1092	1164
L	28050	30570	33090	35610	38130	40650	29730	32250	34770	37290	39810	42330	29130	31830	34350	37290	39390	41910	28470	30990	33510	36030	38550	41070
L <sub>0</sub>	32970	35490	38010	40530	43080	45570	34640	37170	39690	42210	44730	47250	34230	36750	39270	42210	44310	46830	33390	35910	38430	40950	43470	45990

# JWF1579

## RING SPINNING FRAME

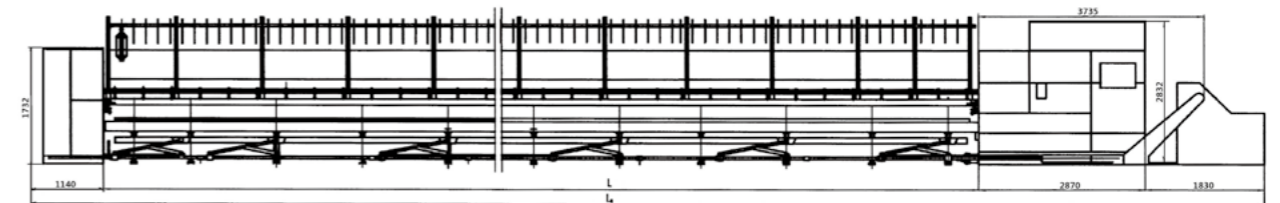


JWF1579 Ring Spinning Frame (Mechanical drafting)  
 JWF1579E Ring Spinning Frame (Electronic drafting)

**HIGH** Speed  
 Stability  
 Reliability

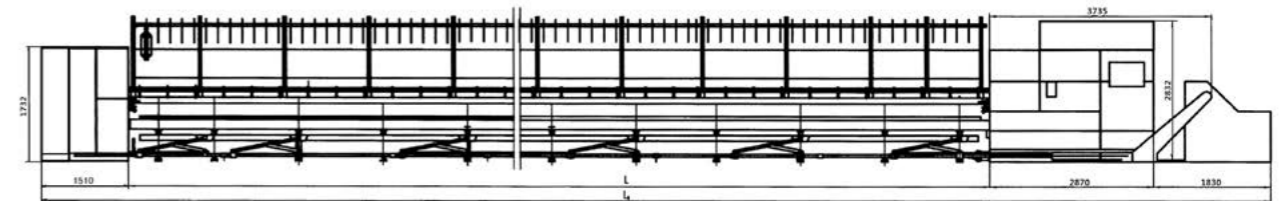
JWF1579 Ring Spinning Frame is a new type integrated with Electronic-drafting, Positive lifting, Four-roller compact system, individual spindle broken-end detection, Roving circulating system and Auto-doffing. It is independently developed under the present RSF developing trend, product condition and market requirement depending on existing technology and following international advanced level to meet high speed, high stability and high reliability of the customer.

### FOUNDATION AND LAYOUT OF JWF1579 SERIES



Type	A Series					B Series					C Series					D Series								
Sspindles	792	864	936	1008	1080	1152	840	912	984	1056	1128	1200	828	900	972	1044	1116	1188	804	876	948	1020	1092	1164
L	28050	30570	33090	35610	38130	40650	29730	32250	34770	37290	39810	42330	29130	31830	34350	37290	39390	41910	28470	30990	33510	36030	38550	41070
L <sub>0</sub>	33890	36410	38930	41450	43970	46490	35570	38090	40610	43130	45650	48170	35150	37670	37670	43130	45230	47750	34310	36830	39350	41870	44390	46910

### FOUNDATION AND LAYOUT OF JWF1579E SERIES

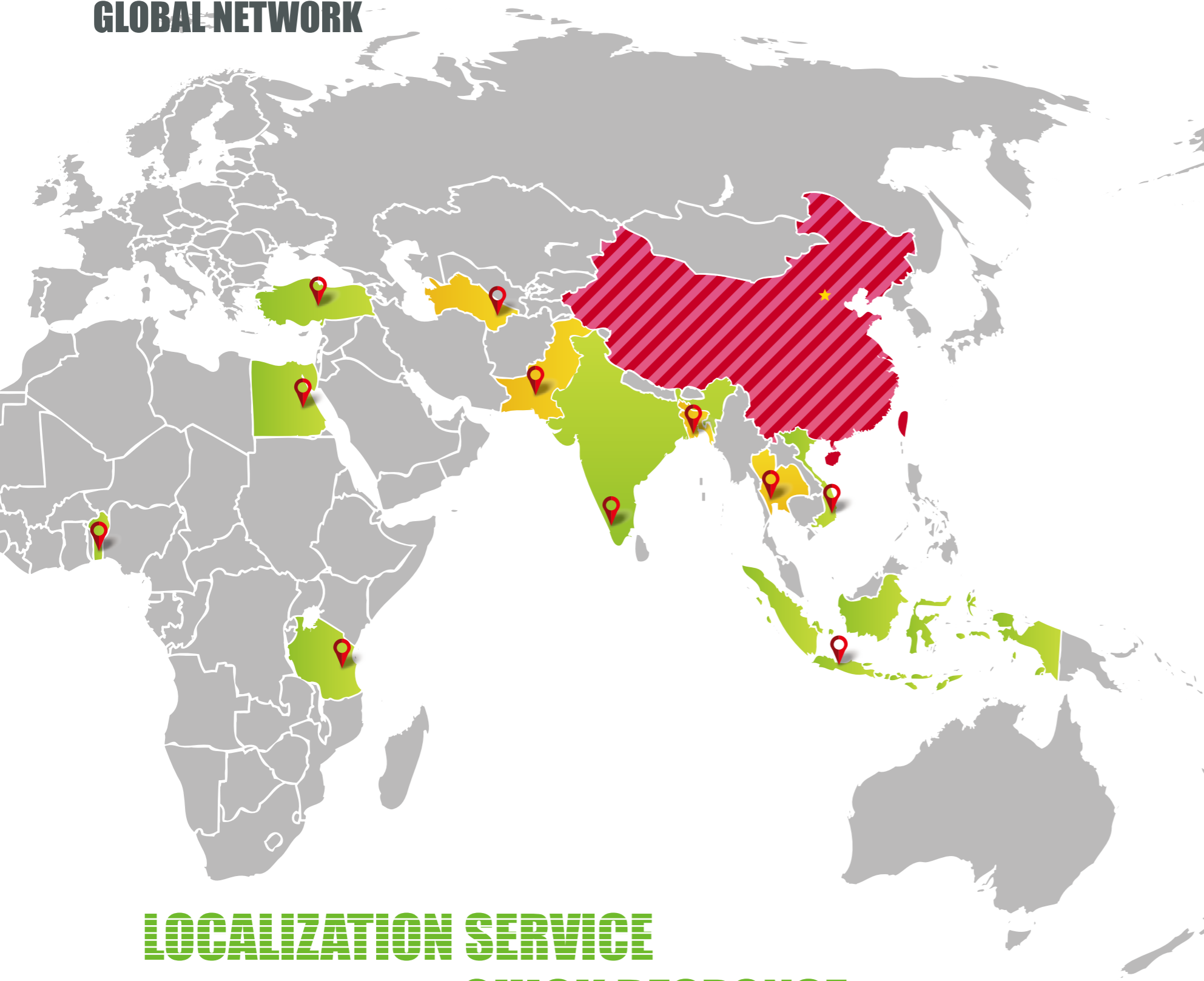


Type	A Series					B Series					C Series					D Series								
Sspindles	792	864	936	1008	1080	1152	840	912	984	1056	1128	1200	828	900	972	1044	1116	1188	804	876	948	1020	1092	1164
L	28050	30570	33090	35610	38130	40650	29730	32250	34770	37290	39810	42330	29130	31830	34350	37290	39390	41910	28470	30990	33510	36030	38550	41070
L <sub>0</sub>	33890	36410	38930	41450	43970	46490	35570	38090	40610	43130	45650	48170	35150	37670	37670	43130	45230	47750	34310	36830	39350	41870	44390	46910

## MAIN SPECIFICATIONS

Type	1589	1579
Spindle gauge(mm)	70	70
No. of spindles	Max. 1200(spindles)	792~1200(spindles)
Roller (mm)	Φ27xΦ27xΦ27 or Φ27xΦ30xΦ27 Each for 8 spindles	Φ27xΦ27xΦ27 or Φ27xΦ30xΦ27 Each for 6 spindles
Lift(mm)	160, 180(Aluminum type spindle)	165, 180(Aluminum type spindle)
Ring Dia.(mm)	38, 40, 42, 45(PG plane ring)	38, 40, 42, 45(PG plane ring)
Fiber length(mm)	<40mm, 40~51mm, 51~60mm	<40mm, 40~51mm, 51~60mm
Yarn density (tex(Ne) )	4.92-59(10-120 <sup>S</sup> )	4.92-59(120-10 <sup>S</sup> )
Twist (T/m)	230-2260(19 wharf )	230-2260(19 wharf)
Twist direction	Single tension plate Z (S Optional)	Single tension plate Z (Standard) Double tension plate Z or S (Optional)
Draft rate	Total draft 10-60(Standard) Total draft 10-110(Optional)	Total draft 10~60(Standard) Total draft 10~110(Optional)
Spindle speed (r/min)	12000~25000 (Spindle speed controlled by the inverter, mechanical speed)	12000~25000 (Spindle speed controlled by the inverter, mechanical speed)
Spindle driving	Single tension, Tin pully	Single tension, Tin pully
Draft system	3-line rollers, short upper aprons and long lower apron,with top weighting arm	3-line rollers, short upper aprons and long lower apron,with top weighting arm
Lifting type	Electronic lifting	Electronic lifting
Doffing type	Automatic doffing	Automatic doffing
Tube ejecting rate of auto-doffing	100%	100%
Tube inserting rate of auto-doffing	100%	100%
Yarn reserving rate(Medium count combed yarn)	≥98%	≥98%
Auto-doffing time (min)	3	3

# GLOBAL NETWORK



## SALES AND SERVICE CENTER

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 Tel: +91-422-4204889 Mob: +91-9843996308  
 E-mail: jiangmw@ctmtc.com.cn ctmtc.frank@gmail.com

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 Tel: +62-24-7620888 Mob: +62-811272387  
 E-mail: hanz@ctmtc.com.cn; hanhanbingbing@hotmail.com

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**VIETNAM SOUTH REGION**  
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 Tel: +92-300-8543463 Email: info@majisons.com

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 Email: canmurat@eraydin.com.tr; canmurateraydin@gmail.com; canmurateraydin@yahoo.com

**UZBEKISTAN (AUTHORIZED AGENT)**  
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