

The first rotor spinning machine in China was born at Jingwei



With 50+ years of research and production experience in rotor spinning, Jingwei can provide suitable solutions for different customers, whether it is the cost-effective JWF1618 and JWF1618E, or the more automated JWF1620 and JWF1626.

More
Energy saving

More
Intelligence

More
High Production

More
High Efficiency

Adhering to the development concept of low-carbon and environmental protection
By optimizing the design
All JWF16 series machines are suitable for spinning kinds of recycled fiber raw materials

	JWF1618	JWF1618E	JWF1620	JWF1626
Rotor Speed(rpm)	100,000	120,000	120,000	180,000
Piecing	Semi-automatic	Semi-automatic	Automatic	Automatic
Single Winding	/	/	√	√
Single Delivery	/	√	√	√
Single Rotor	/	/	/	Single magnetic levitation motor Single air levitation motor
Single Combing	/	/	Optional	√
Single Feeding	√	√	√	√
Digital Winding	√	√	√	√
Double side suction	√	√	√	√
Auto Doffing	Optional	Optional	Optional	Optional

JWF 1618

Rotor Spinning Machine

The most cost-effective JWF1618 has been sold on in China and to Vietnam, India, Bangladesh, Turkey, Uzbekistan, Turkmenistan and other countries, with good reputation, mature technology and perfect after-sales service.



Technical highlights

(I) High speed and efficiency, stability

01 High rotor speed and delivery speed

100,000 Actual rotor speed rpm

200 maximum delivery speed meter/min



03 New frame structures are simple and stable with high-speed running and lowering suitable for yarn delivery and winding with reduced height

02 High quality large package yarn

5 Weight kgs

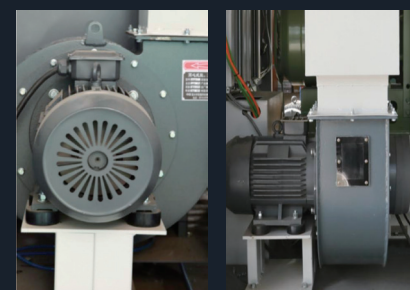
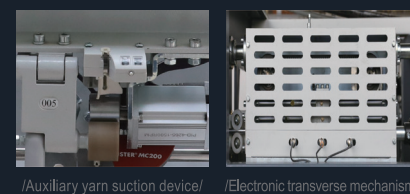
φ320 Diameter mm



04 Renowned spinning components with high efficiency, strong reliability and excellent yarn quality

(II) Good yarn quality and strong adaptability to different varieties

1. The new independent stepper motor for cotton feeding ensures that the fibers are not damaged and avoids defects such as misalignment and spindle deviation.
2. Accurate electrical parameter settings enable millisecond level joint control, with joint quality close to the original yarn level.
3. Equipped with an auxiliary yarn suction device, the joint is made at the highest speed to ensure perfect winding quality.
4. The electronic transverse mechanism controlled by the servo system completely eliminates the overlap of yarns.
5. The headstock and endstock of the machine are designed with double impurities, resulting in the lowest negative pressure loss during impurity removal. The utilization rate of excellent fibers is high, and high-quality yarns can be spun.

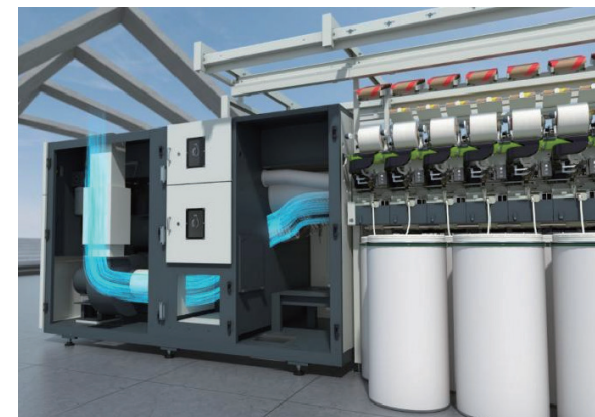


/Impurity at headstock/ /Impurity at endstock/

(III) Energy Saving

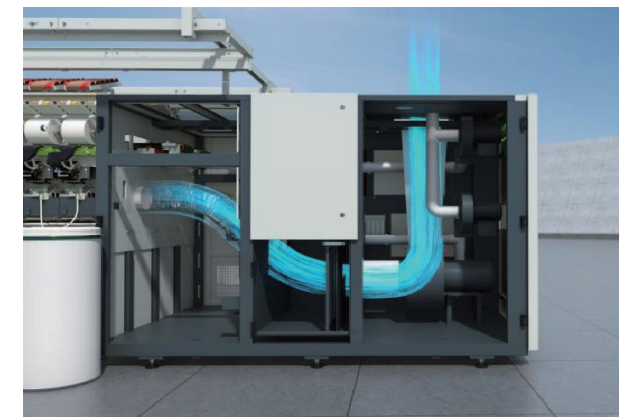
01 Double side suction technology

Exclusive patented front and rear dual side suction technology
energy-saving by 10% to 15%



02 Full inverter closed-loop control system

Automatically adjust the fan and motor speed to achieve constant negative pressure
ensuring yarn quality and achieving energy-saving goals



According to actual production testing by customers
spinning the same variety of yarn at the same speed can save 10% -15% energy.

Based on the energy consumption of spinning 32 tons of yarn, a 500 spindle equipment:

**save more than 200kW · h of electricity per day
and 60,000-70,000 kW · h of electricity per year**



(IV) Automatic, Intelligent

01 Integrated electromechanical and pneumatic digital connector technology

When the actual speed of the roto is 100000 revolutions per minute

90% the success rate of the connector can reach over

02 New efficient single spindle yarn dropping system

The single spindle yarn dropping time is only 6 seconds. Continuous spinning, improving the efficiency of the stopper and reducing the labor intensity of the stopper worker

03 Humanized operation and remote operation and maintenance

Humanized and operable interface, with single spindle length recording and fault code display functions; Provide remote operation and maintenance capabilities to achieve centralized control of group machine data



04 Double sided independent transmission

Dual conveyor belts transport yarn, with separate start stop on both sides, allowing for simultaneous spinning of two types of yarn throughout the vehicle



JWF1618E

Rotary Spinning Machine
(Upgraded Version)



Adopting a modular design concept, the yarn induction motor is improved from centralized transmission at the front of the car to a servo motor with single spindle and single control. The optimization of electrical parameters is used to improve yarn production and joint quality.

Piecing at low speed to achieve non-piecing

Closed loop control without losing speed

Save **15% -20%** energy by servo motors

Temperature rise **<20 °C**

life up to **70000+hours**

Speed up to **120000rpm**

Achieve JSI function

The strength at the piecing is equivalent to **80%** of the original yarn

Jingwei
Single
Delivery