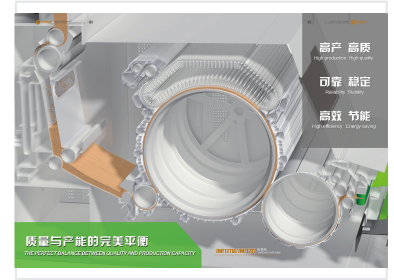


High-Efficiency Fiber Carding Machine

This carding machine features a high-production carding system designed for efficiency. Its modular design ensures ease of operation and maintenance.



ADDITIONAL IMAGES



Overview

High-Efficiency Carding Excellence

The JWF1213A is a high-yield, energy-saving carding machine designed to lead industrial upgrading in textile production. Featuring a 1300mm width design and a modular construction, it delivers a perfect balance between output quality and production capacity. This next-generation system integrates advanced detecting and protecting technologies to ensure stable, reliable, and continuous operation for professional spinning requirements.

Performance Metrics

Key Performance Indicators

160 kg/h

Max Actual Output

320 m/min

Max Delivery Speed

13.79 kW

Total Installed Power

Technical Specifications

Technical Parameters

| Parameter | Value |
|--------------------------|--------------|
| Working Width | 1280 mm |
| Fiber Length Application | 22-76 mm |
| Sliver Count | 3.5-10 g/m |
| Feed Weight | 400-1300 g/m |
| Total Draft | 38-370 |
| Cylinder Speed | 347-477 rpm |
| Doffer Speed | 4.3-84 rpm |

Mechanical Components



NEW TYPE OF LICKER-IN CARDING SYSTEM

- ✓ Licker-in designed with two noil areas to ensure flexibility in adjustable noilable of machine
- ✓ Licker-in designed with two sets of noil levels, you can adjust noil level for efficiency removal of trash and staple
- ✓ Noil area length is adjusted flexibly according to quality, type of material
- ✓ Noil height of the first noil area is adjusted freely around licker-in center
- ✓ Angle of noil area can be adjusted flexibly according to requirement

Adjustable licker-in system with two noil areas for efficient trash and staple removal.

Component Dimensions

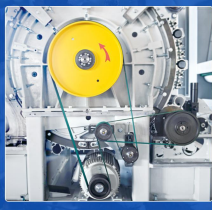
- Cylinder Diameter: 1288 mm
- Doffer Diameter: 706 mm
- Licker-in Diameter: 250 mm
- Revolving Flats: 30 working / 84 total

System Features

New type of driving method

Cylinder and doffer is driven by high torque motor, driven by stable start and reliable rotary motion.

STABLE AND RELIABLE QUALITY GUARANTEE



New driving method utilizing high-torque motors for stable starts and reliable rotary motion.



- ✓ Brush roller adopts the independent motor and inverter. The step-less speed adjustment ensures the fibre cleanliness by setting different noil level according to material.
- ✓ The gapless adjustable design of the brush roller and the revolving flats ensures the deep-cleaning of the revolving flats.
- ✓ The optimized relative position and gapless between the brush roller and cleaning roller ensures the trash removal of the flat cotton fibre.
- ✓ The new dust suction hood with perfect appearance can reduce the drag and suck flat by anomaly.

Independent motor-driven brush rollers and optimized suction hoods ensure flat cleanliness.

Advanced System Features

Mixed Loop Auto-Leveller, Dust Filtering System, Modular Design, Sliver-Cutting System, 6-Points Gauge, Cross Apron, 10 Independent Motor Drivers, 22 Suction Points

Operational Design

STEEL PLATE WELDING STEPPED SOLID FRAME

In flexible mechanism and special processing technology



The robust steel plate welding frame ensures stability and precision during high-speed operation.

Cast iron cylinder, good stability

Mono-block casting iron cylinder, doffer and side wall ensures good stability and low thermal expansion coefficient.



Cast iron cylinder and side walls provide excellent thermal stability and vibration resistance.

Design & Maintenance

- Mono-block casting iron cylinder for low thermal expansion
- Steel plate welding stepped solid frame for maximum stability
- Step-less speed adjustment for brush roller via independent inverter
- Totally enclosed structure safety covers
- Flexible noil area adjustment for different material types

Physical Requirements

Installation & Requirements

| Requirement | Specification |
|-------------------------------|------------------------|
| Space Requirement (LxWxH) | 5825 x 2480 x 3720 mm |
| Approx. Net Weight | 8000 kg |
| Compressed Air Consumption | 0.5 m ³ /h |
| Continuous Air Suction Volume | 4200 m ³ /h |

Compliance & Quality

Quality Standards

ISO 9001:2015 • ISO 14001:2015 • ISO 45001:2018