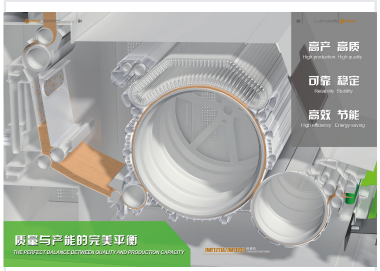
High-Efficiency Fiber Carding Machine

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	320 m/min	13.79 kW
Max Actual Output	Max Delivery Speed	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

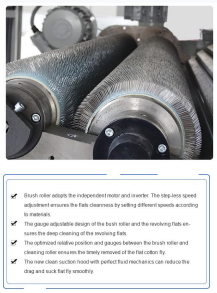
Adjustable licker-in system with two noil areas for efficient trash and staple removal.

Component Dimensions

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

System Features

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



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

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

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

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 m³/h
Continuous Air Suction Volume	4200 m³/h

Compliance & Quality

Quality Standards

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