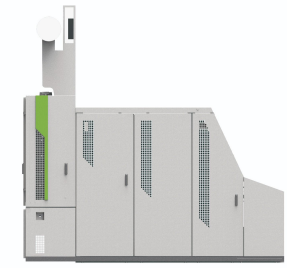
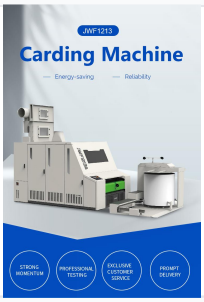
Carding Machine for Cotton and Chemical Fibers

This carding machine is designed for processing cotton and chemical fibers. It ensures efficient fiber alignment and removal of impurities, leading to high-quality yarn production.



ADDITIONAL IMAGES

Overview



Engineered for strong momentum and energy efficiency.

High-Efficiency Carding System

This advanced carding machine is engineered for high-performance processing of cotton, chemical fibers, and blends. Featuring a robust, modular design, it ensures stable and reliable quality while maintaining high production efficiency. The system incorporates intelligent auto-levelling, precision dust filtering, and high-speed sliver cutting to meet the demands of modern textile manufacturing environments.

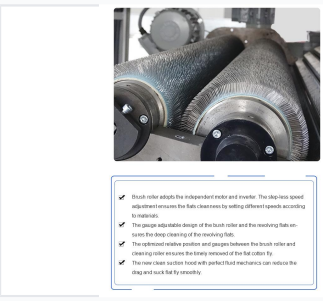
Key Features

Core Advantages	High Efficiency, Auto-Leveller System, Modular Design, Dust Filtering, High-Speed Processing, Energy-Saving

Technical Specifications

The carding technical gauge remains stable even at high speeds, ensuring high production output.

Adjustable noil area length for precise fiber processing and efficient trash removal.



Step-less speed adjustment for optimized cleaning based on material type.

Performance Metrics

160 kg/h	320 m/min	1280 mm	13.79 kW
Max Actual Output	Max Delivery Speed	Working Width	Total Installed Power

Processing Capabilities

Parameter	Range/Value
Fiber Length	22-76 mm
Sliver Count	3.5-10 g/m
Feed Weight	400-1300 g/m
Total Draft	38-370

Key Component Specifications

- Licker-in Diameter: 250 mm
- Doffer Diameter: 706 mm
- Cylinder Diameter: 1288 mm
- Cylinder Speed: 347-477 r/min
- Revolving Flats: 30 working / 84 total

Utility & Environmental

- Compressed Air Pressure: 6-7 bar
- Compressed Air Consumption: 0.5 m³/h
- Air Suction Volume: 4200 m³/h
- Static Pressure Exit: -800 Pa

Design & Construction

Designed for superior stability and low thermal expansion.

Robust frame construction provides structural integrity and durability.

Design Highlights

Mono-block Cast Iron Cylinder • Steel Plate Welded Frame • Totally Enclosed Safety Covers • Modular Maintenance Access