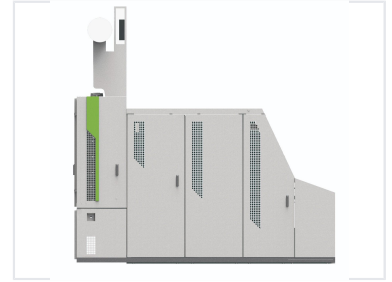


Carding Machine for Cotton and Chemical Fibers

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

Stable carding specifications

The carding technical gauge is stable even when operating at high speeds, ensuring high production output.



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



NEW TYPE OF LICKER-IN CARDING SYSTEM

- ✓ Licker-in designed for better fiber processing and efficient trash removal.
- ✓ The design with two sets of rock teeth, you can adjust the noil area length for efficient removal of trash and waste.
- ✓ Noil area length is adjusted flexibly according to quality, type of material.
- ✓ The length of the licker-in area is adjusted flexibly according to quality.
- ✓ Length of the noil area is adjusted flexibly according to quality.

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



- ✓ Doffer roller adopts the independent roller and feeder. The step-less speed adjustment ensures the fiber cleanliness by setting different speeds according to material.
- ✓ The unique adjustable design of the bush roller and the revolving flat ensures the deep cleaning of the revolving flat.
- ✓ The separated roller position and gauges between the brush roller and cleaning roller ensure the timely removal of the flat cotton fly.
- ✓ The new design for the hood with perfect float mechanics can reduce the stress and avoid flat fly assembly.

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

Performance Metrics

160 kg/h

Max Actual Output

320 m/min

Max Delivery Speed

1280 mm

Working Width

13.79 kW

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

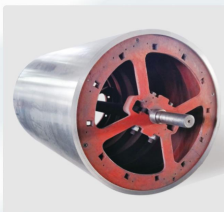
Utility & Environmental

- 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

Cast iron cylinder, good stability

Mono-block casting iron cylinder, doffer and roller shaft ensure good stability and low thermal expansion coefficient.



Designed for superior stability and low thermal expansion.

STEEL PLATE WELDING STEPPED SOLID FRAME

By flexible mechanism and special processing technology



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