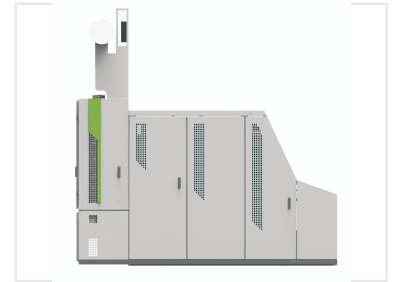


# Carding Machine for Cotton and Chemical Fibers

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

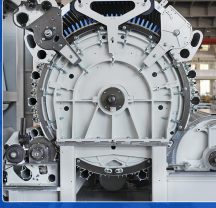
### Core Advantages

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.



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### NEW TYPE OF LICKER-IN CARDING SYSTEM

- ✓ Licker-in designed with four sets of rollers to ensure smooth and accurate rotation of machine.
- ✓ Licker-in designed with four sets of rollers, you can adjust speed for efficiency removal of trash and waste.
- ✓ Licker-in length is adjusted flexibly according to quality, type of material.
- ✓ The length of the licker-in area is adjusted flexibly according to quality.
- ✓ Licker-in length can be adjusted flexibly according to requirement.

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



- ✓ Licker-in 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 licker-in roller and the revolving flat ensures the deep cleaning of the revolving flat.
- ✓ The separated roller and gears between the brush roller and cleaning roller ensures the timely removal of the flat cotton fly.
- ✓ The new design of the roller 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

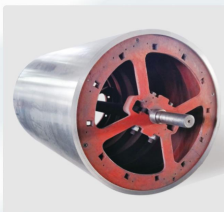
## Utility & Environmental

- 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

Micro-block casting non-cylinder, doffer and roller will 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