



ENGINEERING ADVANTAGES

- » Consistent and compact roll formation
- » Controlled winding tension prevents fabric distortion
- » Smooth forward and reverse operation
- » Reduced operator dependency
- » Suitable for lightweight to heavy GSM fabrics
- » Low maintenance and long service life

INDUSTRIES SERVED

- » Textile Processing Units
- » Fabric Exporters
- » Dyeing & Finishing Plants
- » Technical Textile Producers
- » Garment Manufacturers

12 FABRIC RE-ROLLING MACHINE

Precision Roll Formation & Controlled Rewinding System

The Fabric Re-Rolling Machine is engineered for accurate, tension-controlled rewinding of textile rolls, ensuring uniform roll build, smooth edge alignment, and consistent fabric presentation. Designed for modern textile mills, dyeing units, inspection departments, and export houses, the system delivers stable performance across a wide range of woven, knitted, and processed fabrics.

Built with a rigid industrial structure and intelligent drive control, the machine guarantees wrinkle-free handling, controlled winding density, and repeatable roll quality for downstream processing or dispatch.

TECHNICAL PARAMETERS

- » Working Width: 1600 – 3200 mm (customizable)
- » Machine Speed: 0 – 90 m/min (variable)
- » Operation Mode: Continuous, Bidirectional
- » Input Roll Diameter: Customizable as per requirement
- » Output Roll Diameter: Up to 1500 mm (or higher on request)
- » Fabric Type: Woven, Knitted, Processed, Technical Textiles

Designed for Precision. Built for Performance. Engineered for Reliability.

MACHINE CONFIGURATION

Heavy-Duty Structural Frame

- » Robust fabricated steel construction
- » Precision-machined side supports
- » Vibration-free operation at higher speeds
- » Industrial epoxy surface coating

Fabric Transport & Guiding

- » Smooth guide roller arrangement
- » Adjustable traction system
- » Controlled fabric path for wrinkle-free movement
- » Optional fabric spreading device

Drive & Control System

- » AC inverter-controlled drive
- » Forward and reverse synchronized operation
- » Adjustable speed control
- » Stable torque management for uniform roll density
- » Soft start / stop functionality

Applications

- » Roll-to-roll rewinding
- » Length verification and counting
- » Batch correction after processing
- » Edge alignment and roll rebuilding
- » Fabric inspection before dispatch

WINDING SECTION

- » Strong A-frame roll support structure
- » Adjustable core holder system
- » Optional expandable air shaft
- » Controlled roll build formation
- » Uniform edge winding for export-quality rolls

CONTROL & MONITORING


- » Industrial electrical control panel
- » Digital length counter
- » Emergency stop system
- » Overload protection
- » PLC with touchscreen HMI (optional upgrade)


OPTIONAL FEATURES


- » Integrated fabric inspection table with LED illumination
- » Automatic edge alignment system (EPC)
- » Pneumatic tension control system
- » Defect marking system
- » Roll weighing system
- » Batch data recording
- » Barcode label integration



CONTACT

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