

Looking to optimize fabric handling while cutting costs, time, and energy?

G-MULTILEVEL CONVEYOR is the smart solution for efficient lay storage and material movement. The system features a robust three-level motorized conveyor table designed for organized lay storage and smooth transfer. Available in 6m and 8m sections, it offers flexibility to suit various production layouts.

A precision motorized lifting mechanism ensures accurate height alignment with spreading tables and automatic cutting machines. The PLC-controlled belt movement provides synchronized forward and reverse operation, enabling seamless workflow integration. Each level is fitted with a high-quality PVC belt with double-side guiding support, ensuring stable fabric movement and perfect connectivity with adjacent tables or automatic cutters.



Working Principle

- Stage 1 – Fabric Receiving

Fabric is spread onto the PVC conveyor belt with double-side guides for stable and smooth movement.
- Stage 2 – Level Completion

Once the required length is achieved, the PLC system stops the belt automatically.
- Stage 3 – Motorized Lifting

The motorized lifting mechanism shifts operation to the next conveyor level.
- Stage 4 – Multi-Level Operation

Each level holds fully spread fabric independently while other levels continue working.
- Stage 5 – Transfer to Next Process

Selected layer moves forward and integrates seamlessly with cutting tables or automatic cutters.

Operational Performance Impact

INDUSTRY PROBLEM	G-MULTILEVEL CONVEYOR SOLUTION
Manual lifting and shifting of fabric lays increases labour dependency	Three-level motorized conveyor system reduces manual handling
Improper lay storage leads to floor congestion	Multi-layer structure enables organized vertical lay storage
Height mismatch between spreading table and cutter	Motorized lifting system ensures precise height alignment
Fabric misalignment during transfer	Double-side guided PVC belts maintain stable and accurate movement
Delays in material transfer between processes	PLC-controlled synchronized belt movement enables smooth forward and reverse operation
Increased production downtime	Seamless integration with spreading tables and automatic cutters ensures continuous workflow
High operational cost due to manpower and inefficiency	Automation reduces labour cost and improves overall productivity
Risk of fabric damage during manual handling	Controlled motorized transfer protects fabric quality
	

WHY CHOOSE G-MULTILEVEL CONVEYOR

Operational Area	Performance Benefit	Result
Fabric Spreading	Even fabric spreading across full conveyor width	No wrinkles, improved fabric quality
Multi-Layer Handling	Simultaneous storage of multiple fabric layers	Higher production capacity
Material Flow	Continuous automated transfer between layers	Reduced manual handling
Space Utilization	Vertical multilayer design	Saves factory floor space
Labour Requirement	Reduced need for manual fabric lifting & shifting	Lower labour cost
Fabric Protection	Smooth PVC conveyor belts with controlled movement	Prevents fabric damage
Production Speed	Parallel layer processing	Faster order completion
Workflow Efficiency	Integrated with spreading & cutting processes	Improved overall productivity
Machine Control	Centralized control panel operation	Easy monitoring & operation
Workplace Safety	Reduced manual heavy fabric handling	Lower risk of worker injury



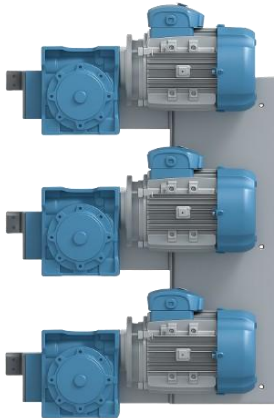
Motorized Lifting Mechanism

Motorized Lifting Mechanism

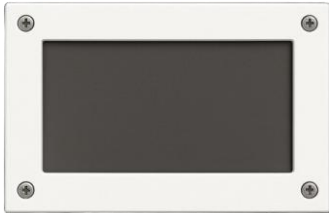
The system is equipped with a robust motorized lifting mechanism that enables smooth and automatic vertical movement between conveyor levels. It ensures precise layer shifting, stable positioning, and efficient multi-level operation without manual intervention.

Three-Level Motorized Conveyor

A vertically stacked three-level conveyor system designed for efficient fabric holding and transfer. Each level operates independently with motorized control, enabling smooth multi-layer handling, optimized space utilization, and continuous production flow



Three-level motorized conveyor



HMI

User-friendly interface with customizable settings

Equipped with an easy-to-operate HMI control panel for quick and simple setting adjustments. Operators can customize parameters to suit different fabric types and production requirements.

Safety & Compliance

- Dual emergency stop switches for immediate shutdown.
- Integrated safety sensors for continuous operational monitoring.
- Overload protection system for motors and electrical components.
- Guarded moving parts for enhanced operator safety.
- Designed in compliance with industrial electrical and safety standards.



2 Emergency stop switches

Key Features

- Motorized Lifting Mechanism
- Three-Level Fabric Holding System
- PLC-Controlled Automatic Operation
- PVC Belts with Double-Side Guides
- Full-Length Wrinkle-Free Fabric Support
- Independent Layer Movement
- Seamless Integration with Spreader & Auto Cutter
- High-Speed Performance & Load Capacity
- Compact Vertical Space-Saving Design
- Heavy-Duty Construction with Low Maintenance

Technical Specifications

Machine Model	Power Supply	Power Consumption	Dimensions (L X W X H in mm)	Weight	Load Capacity	Operating Temperature Range	Noise Level	Fabric spreading Width	Speed
# GM-70-600-00	410-420V AC (Three-phase), 50/60 Hz, 63 Amps	12.4 kW	6100 x 2870 x 1400	1875 kg	6000 mm length max.	25°C - 58°C	≤60 dB	Typically, up to 1800 mm	Up to 60 m/min
# GM-78-600-00			6100 x 3070 x 1400	1930 kg				Typically, up to 2000 mm	
# GM-86-600-00			6100 x 3270 x 1400	1990 kg				Typically, up to 2200 mm	
# GM-70-800-00			8100 x 2870 x 1400	2500 kg	8000 mm length max.			Typically, up to 1800 mm	
# GM-78-800-00			8100 x 3070 x 1400	2775 kg				Typically, up to 2000 mm	
# GM-86-800-00			8100 x 3270 x 1400	3055 kg				Typically, up to 2200 mm	