

JLT #171B Roller Spreader

Precision Doctor Roll Application System

Adjustable Glue Control • Advanced Roll Dynamics • Production Efficiency



The JLT #171B Roller Spreader is a high-efficiency adhesive application system engineered to deliver mathematically consistent, highly controllable glue coverage across demanding wood-working production environments. Featuring an advanced live stainless steel doctor roll that rotates in reverse to the primary 13-inch glue roll, this machine provides absolute control over adhesive thickness and spread. Designed to effortlessly process both short components and extended stock lengths, the #171B eliminates material waste, guarantees superior joint strength, and drastically reduces costly daily cleanup and setup times.

System Capacities & Technical Specifications

Specification Parameter	JLT #171B Capabilities
Model Number	#171B
Primary Glue Roll	13" Width Profile
Doctor Roll Architecture	Live Stainless Steel (Fully Adjustable, Reverse Rotation)
Adhesive Reservoir	Industrial Stainless Steel Container
Safety Mechanism	Integrated Slip Clutch Protection System
Material Capability	Versatile Processing for Long and Short Stock
Workflow Optimization	Engineered for Overnight Adhesive Storage

Application & Value Breakdown

Primary Applications

- High-volume panel laminations and edge gluing for cabinet and furniture manufacturing.
- Precision surface coating of solid wood components demanding exact adhesive thickness.
- Production environments requiring reliable, high-speed processing of mixed stock lengths.
- Integration into workflow lines to accelerate component preparation prior to clamp pressing.
- Facilities aiming to drastically reduce adhesive waste and daily machine maintenance.

Why Choose the JLT #171B

- **Bond Integrity:** Precision-controlled adhesive spread prevents joint starvation and ensures stronger, highly reliable bonds.
- **Volumetric Control:** The fully adjustable doctor roll matrix enforces exact, repeat-able glue thickness across every board.
- **Waste Eradication:** Optimizes adhesive yield, significantly reducing material waste, squeeze-out, and production slowdowns.
- **Industrial Durability:** Constructed with premium stainless steel components to withstand highly corrosive glue environments.
- **Operator Safety:** Built-in slip clutch protocols protect both the operator and the mechanical drivetrain from sudden overloads.

Performance & Construction Features

- **Advanced Roll Dynamics:** The expansive 13-inch primary glue roll operates in tandem with a live, reverse-spinning stainless steel doctor roll. This counter-rotation actively shears the adhesive, laying down an exceptionally smooth, uniform coat that prevents both inadequate coverage and excessive spillover.
- **Precision Flow Regulation:** Operators have granular control over the adhesive application rate. By fine-tuning the doctor roll gap, shops can achieve the exact micron-level thickness required for varying material porosities and specific structural joint requirements.
- **Safety & Industrial Build:** Engineered with an internal slip clutch safety system that instantly disengages the drive mechanism in the event of a bind, safeguarding the operator and preserving the equipment. The heavy-duty stainless steel reservoir ensures lifelong resistance against corrosion and simplifies deep cleaning cycles.
- **Throughput Optimization:** Designed to keep production lines moving. The wide feed throat seamlessly accommodates both short custom blocks and extended production boards. Furthermore, the specialized reservoir allows for overnight adhesive storage, functionally eliminating time-consuming end-of-shift flushing routines.

The JLT #171B Roller Spreader delivers the ultimate in control and consistency required for high-quality glue application, helping modern woodworking facilities maximize their operational efficiency while achieving superior structural results.