

EROSION

boss
MACHINES



BRUSHSANDER

Backed by over 30 years of woodworking machinery expertise, our solutions are designed and configured to deliver consistent results and maximize efficiency. The end result is higher throughput, reduced rework, and stronger margins—putting more money back into your business.

Built for Quality. Engineered for ROI.

bossmachines.com

Key features and applications

The BOSS Erosion sander is engineered for versatile finishing applications, combining cross and longitudinal brush rollers with sanding discs to provide consistent sanding quality on both flat and contoured surfaces.

Delivering uniform finishes for doors, cabinets, shutters, face frames, and other woodworking parts. Its multi-unit design adapts effectively to a variety of surface profiles.

BOSS Erosion offers flexibility by selecting different abrasive grits, this brush sander supports both white wood sanding and lacquer sanding, making it suitable for diverse production needs.

Available in 43" and 51" working widths in a variety of (4) - (8) head configurations depending on requirements.

The heavy-duty design allows for single or multi-shift operation and with constant pass line height the ability to integrate in to a production line.

Available units:

Cross-Brushing

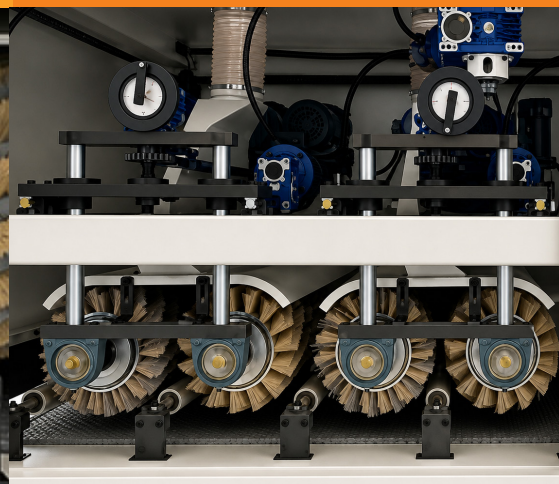
The Cross Brush Roller Unit features 8 independently driven cross-sanding brush rollers designed to deliver exceptional sanding performance on profiles, routed details, raised panels, and textured surfaces. Each roller is equipped with 15 spirally arranged abrasive strips that create an effective cross-grain sanding action. In double-roller configurations, this provides 30 abrasive strips per sanding station, ensuring excellent surface coverage and a consistent finish.

Oscillating Discs

Oscillating Disc Unit sands intricate profiles, mouldings, routed parts and tight details missed by heads. Multiple abrasive discs rotate and oscillate for even wear and prevent patterning. Dual-action motion follows contours, edges, grooves and recesses for uniform finish. Variable speed controls for different materials. Result: improved surface quality less hand sanding higher productivity on cabinet doors, furniture & profiled components.

Longitudinal Rollers

Longitudinal Roller Unit sands flat panels using multiple rollers applying even pressure across the full width. Movement follows feed direction for uniform stock removal and a smooth, calibrated finish. It reduces cross-grain marks and improves consistency on solid wood, veneer and engineered panels. Adjustable speed and pressure allow precise control for different materials, improving finish quality and reducing hand sanding.



Supercharged consistency with the Delta AS300

Engineered for precision and speed, this high-performance controller takes the guesswork out of industrial finishing. Its ultra-fast 32-bit SoC processor delivers flawless, real-time control over the conveyor feed, cross rollers, disc rotation, and longitudinal brush oscillation.

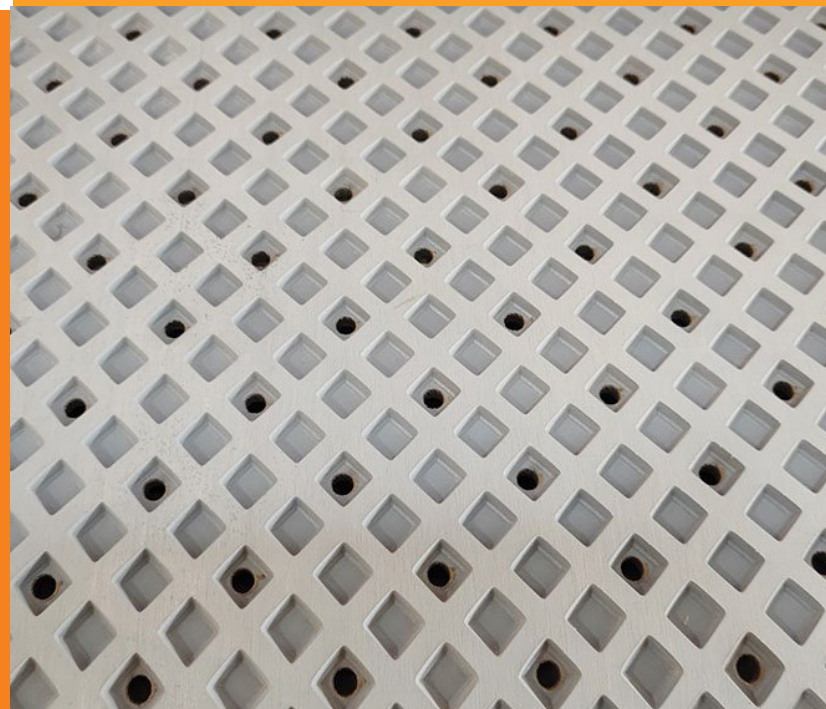


ABB IE3 Motors drive down energy costs and carbon footprint

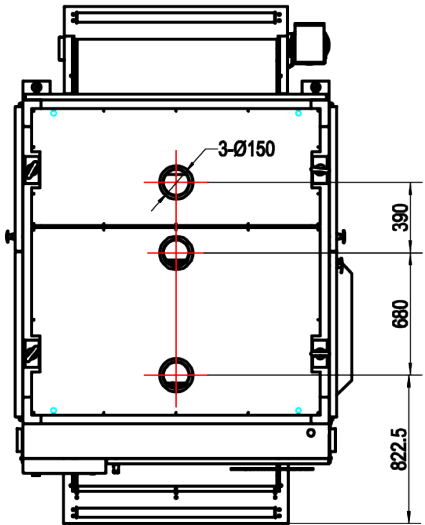
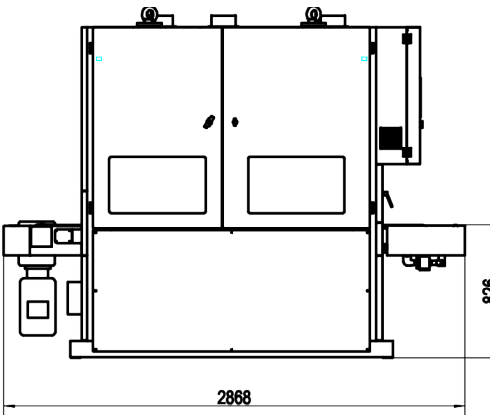
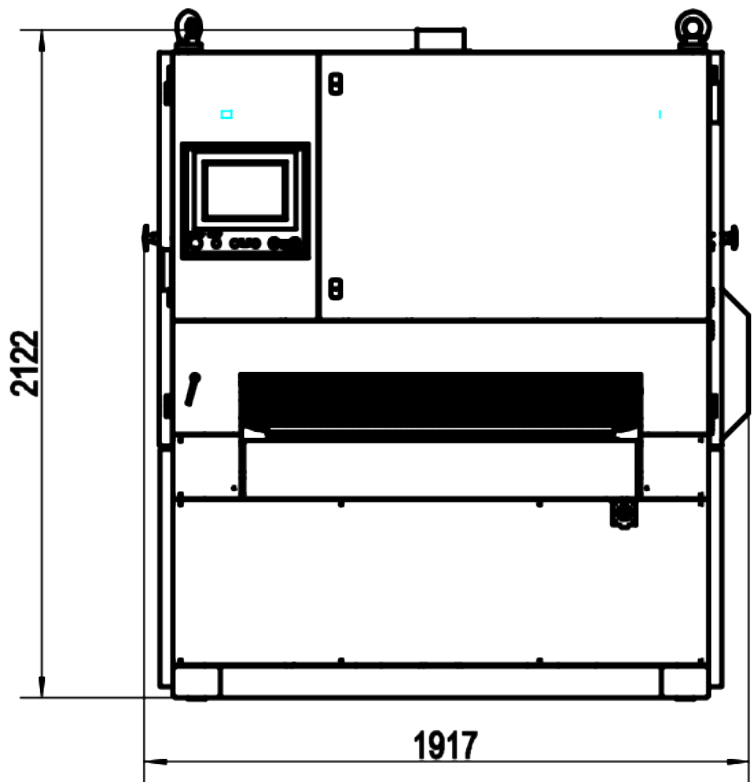
ABB IE3 Premium Efficiency Motors maximizes operational uptime, reduces electricity overhead, and ensures consistent torque for a flawless finish. Featuring robust IP55 dust protection and Class F insulation, these motors are engineered to handle continuous sanding loads while slashing energy costs.

GripMax™ Conveyor Technology

A high-friction industrial conveyor belt system that securely controls workpieces through the sanding zone, reducing slippage, improving finish consistency, and providing exceptional belt longevity in multi-shift production environments.



Sander layout and dimensions



Technical Specifications

	1100 B-R	1300 B-R	1300 8 HEAD
Working width	44"	3.9" - 51"	3.9" - 51"
Working thickness	0.39" - 3.9"	0.39" - 3.9"	0.39" - 3.9"
Sanding disk speed	Max 500 RPM (inverter)	Max 30 times/min (inverter)	Max 30 times/min (inverter)
Sanding disc station oscillating frequency	Max 30 times/min (inverter)	Max 550 RPM (inverter)	Max 550 RPM (inverter)
Longitudinal brush rollers speed	Max 550 RPM (inverter)	0-62 feet/min	0-62 feet/min
Feeding speed	0-62 feet/min	12.5" (2 pcs)	12.5" (2 pcs)
Longitudinal brush rollers diameter	12.5" (2 pcs)	9 HP	9 HP
Total motor power	9 HP	2. HP [inverter]	2. HP [inverter]
Feeding motor	2 HP [inverter]		
Sanding discs motor	2 HP		
Sanding discs station oscillating motor	1 HP		
Longitudinal brush rollers motor	3 HP	3 HP	3 HP
Working units rise and decline motor	1 HP - 4P	1 HP - 4P	1 HP - 4P
Brush motor	0.34 HP	0.34 HP	0.34 HP
Dust outlets	Ø 5.9" * 1 + Ø 3.9" * 2		
Approximate dimensions	135" x 70" x 85"	135" x 80" x 85"	135" x 80" x 85"
Approximate weight	5,300 lbs	5,750 lbs	5,750 lbs



ATACAMA

Widebelt Sanders

Available in 1-5 heads 1000-1600mm widths, intuitive interface, constant pass-line, variety of finishing units for veneer, primer, and high gloss.



EROSION

Denibbing Brush Sanders

Erosion Brush Sanders, available in 1100-1300mm widths, multi-head finishing, denibbing solutions.



KALAHARI

Top & Bottom Sanders

Kalahari Sanders available in 1-3 heads, 1000-1350mm widths, top-bottom double-sided, single-pass processing configurations.



GOBI

Planer Sanders

Gobi Planer Sanders, featured in 2-3 heads, 1000-1300mm widths, combined planing, calibration, and sanding.



SIROCCO

Wirebrush Machines

Sirocco Wirebrush Machines available in 2, 3 and 6 heads, in 600-1600mm widths for texturing and grain enhancement.



CSD 650

Circle Saw Distressing Machines

The SOLO and DUE Circle Saw Distressing Machines are part of a surface enhancement range including embossing and hand-scrape systems.



MAGNITUDE

Moulders

High-precision profiling, heavy-duty production, and intelligent automated setup in solid wood and engineered components.



SEISMIC

Moulders

A traditional production moulder with exceptional accuracy, reliability, and consistent finish quality for a wide range of solid wood applications.



TIMBER OX

Double-sided Planers

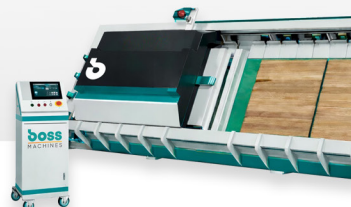
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



FISSURE

Vertical Resaw

High-speed, high-precision, vertical bandsaw designed for advanced solid wood processing and veneer production.



EPIGLUE

RF Press

High-efficiency vertical press for fast, precise bonding in solid and engineered wood production.



CYCLONE

Packaging Equipment

A complete line of packaging machines geared to woodworking manufacturers, delivering fast, automated end-of-line wrapping for panels, doors, furniture.



Behind every BOSS Machine is a dedicated team committed to keeping your operation running. We pride ourselves on exceptional customer support, earning the trust of customers who have relied on us for decades. Whether you purchase through a dealer or from BOSS Machines directly, our experienced team is here to help —providing phone or video troubleshooting, dispatching service technicians, supplying replacement parts, and ensuring your warranty is registered and supported every step of the way.



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