

STORM

boss
MACHINES



SINGLE HEAD WIDEBELT SANDER

Backed by over 20 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

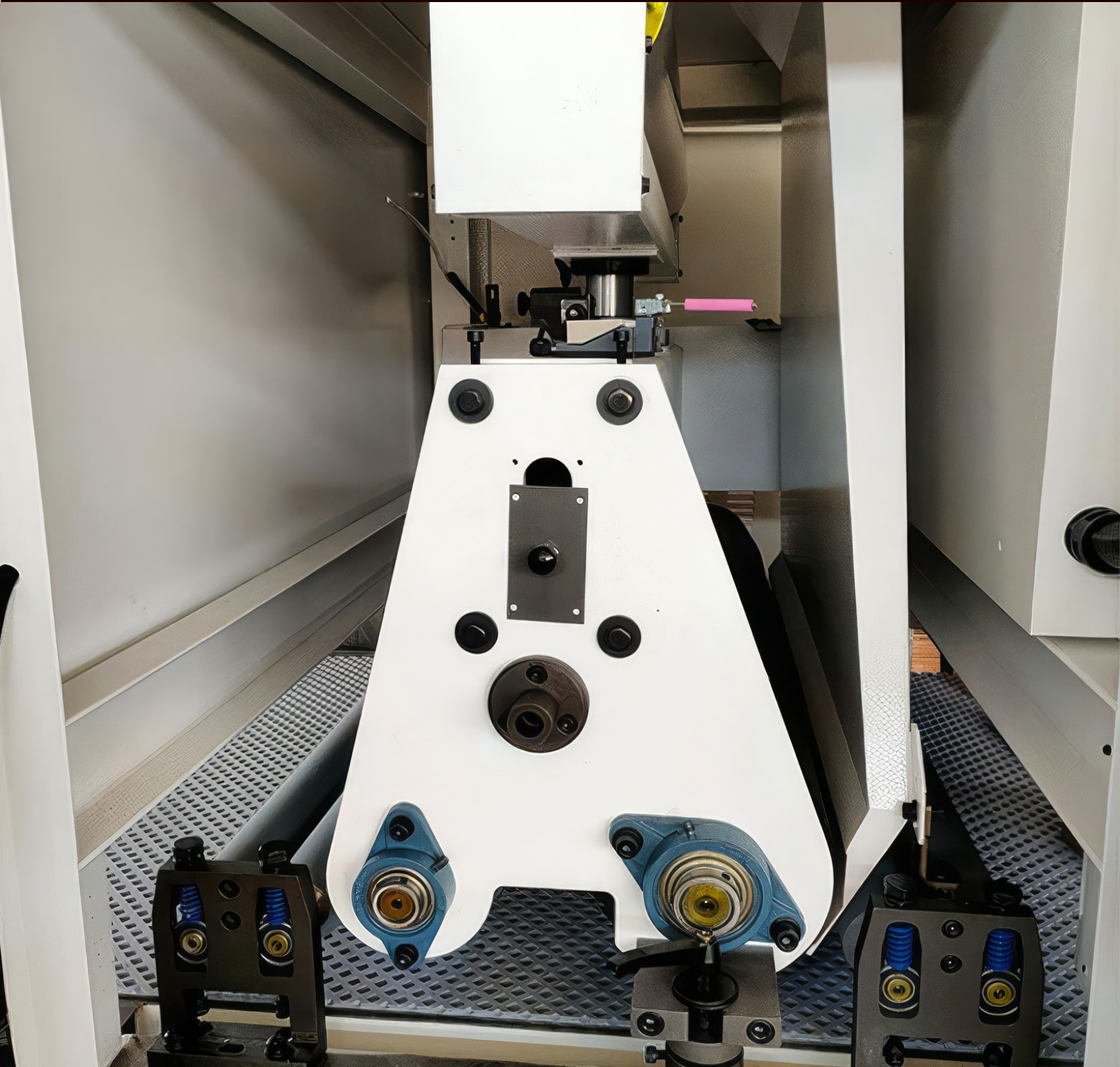
Precision Calibration & Finishing

The BOSS Storm widebelt sander is a high-performance sanding solution designed for accurate calibration and fine finishing of solid wood, MDF, plywood, veneered panels, and other wood-based materials. Its proven roller and combination pad configuration delivers consistent thickness, superior surface quality, and efficient stock removal in a single pass. Built for reliability, ease of operation, and low maintenance, the BOSS Wide Belt Sander is a workhorse and provides exceptional sanding performance and long-term value for cabinet, furniture, millwork, and panel manufacturers. The Storm is available in 1, 2 and 3 head configurations and in a variety of widths from 700mm to the all new 2000mm version featured below.



Working unit

The working unit combines a 210 mm (8.3") diameter, 55 Shore hardness rubber roller with an adjustable sanding pad featuring an alloy rack, felt, and graphite cloth. Complete with a sanding belt tensioning system, electronic belt oscillation, integrated dust hood, and built-in safety systems, the unit is powered by a single-speed motor for reliable, consistent sanding performance.



Heavy Duty Frame

Constructed with heavy-duty rectangular steel framing, delivering exceptional rigidity and stability for precise, consistent performance. Main motors are enclosed within the frame for protection, while efficient V-belt and pulley transmission systems provide reliable power transfer to each working unit. Integrated disk brakes on every working unit ensure fast, controlled emergency stops for enhanced operator safety.

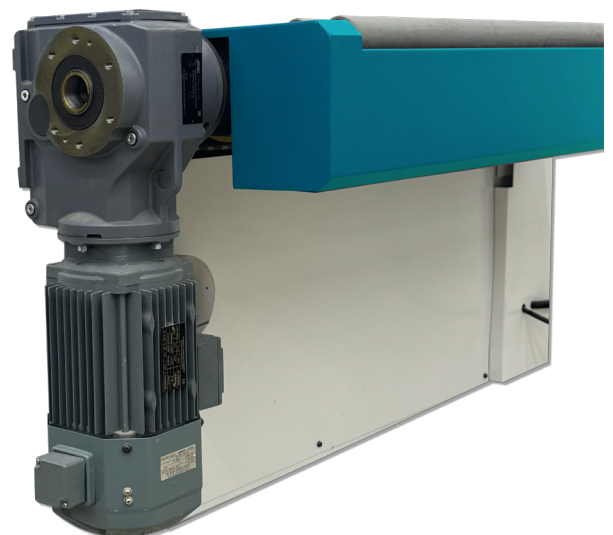


Spring-Loaded Pressure System

Spring-loaded 72 mm (2.8") pressure rollers positioned before and after each working unit keep material securely against the conveyor, automatically compensating for variations in panel thickness. Mounted on easily adjustable roller racks, the system ensures consistent material hold-down, improved sanding accuracy, and smooth feeding throughout the process.

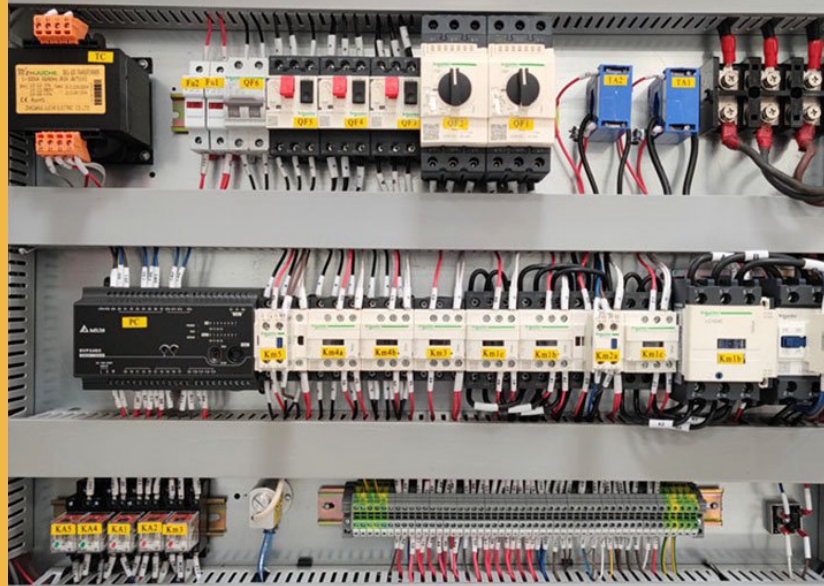
VARIABLE POWER THAT DRIVES PRECISION

The feed system features a heat-treated, precision-ground steel feed table with a machining tolerance of 0.05 mm, adjustable for workpiece thicknesses from 2.5–150 mm (0.1–5.9"). A variable-speed inverter drive (0–19 m/min / 0–62 ft/min) with an integrated bevel gearbox provides smooth, controlled feeding, while the steel roller infeed extension supports larger panels for improved material handling and consistent results.



UL and CSA Approved Electrical System

The electrical cabinet, mounted at the front of the machine provides convenient access and simplified maintenance while housing the machine's essential electrical components, including the power supply, internal transformer, contactors, circuit breakers, and PLC control system. Built according to CE safety standards, the integrated electrical system ensures reliable operation, enhanced protection, and efficient troubleshooting for consistent machine performance.



Pneumatic Control System

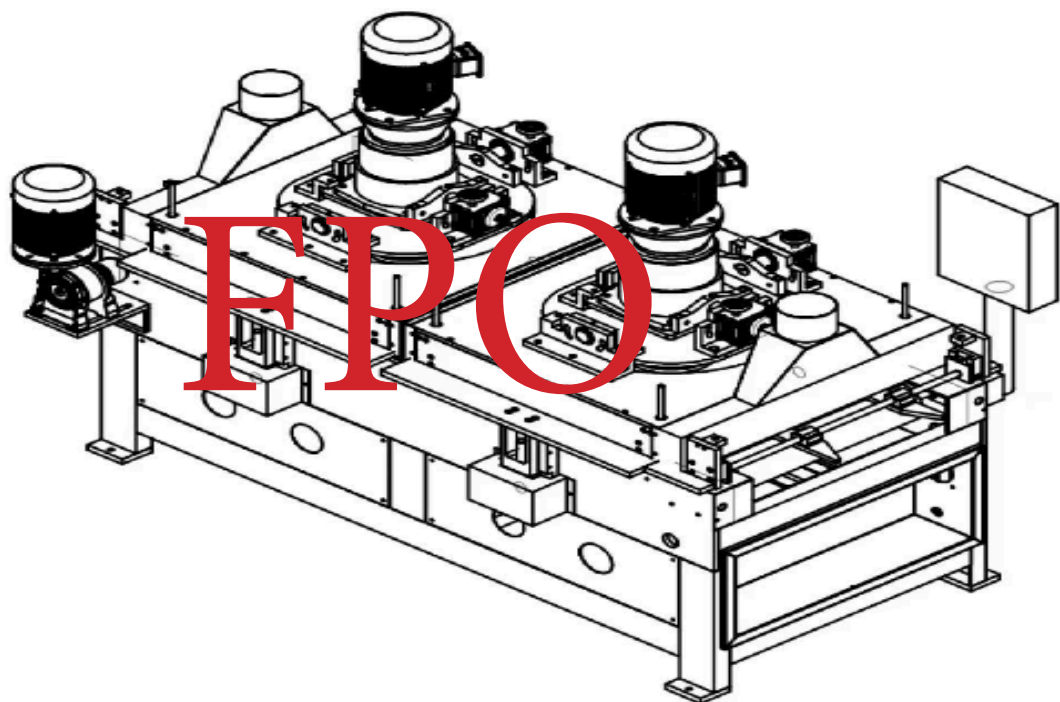
The pneumatic control system features premium AIRTAC pneumatic components, including an oil/air lubricator (nebulizer), solenoid valve, and air pressure relay, delivering reliable, consistent performance with long-term durability and dependable machine operation.

High-Performance Material Detection

Equipped with an American-made BANNER sensor, the system delivers high-accuracy material detection with excellent dust penetration, ensuring reliable operation and consistent performance even in high-dust production environments.



Machine layout and dimensions



Technical Specifications

MODEL	STORM 1000 R-RC	STORM 1300R-R-RC	STORM 2000 R-RA
First roller diameter	240mm / 9.5"	240mm / 9.5"	
Second roller diameter	210mm / 8.25"	240mm / 9.5"	
Working width	40 – 1000mm / 1.5 – 39"	210mm	40–2000mm
Working thickness	2.5 – 150mm / 0.1 – 6"	40–1300mm	2.5–150mm
Feeding speed	0–20 m/min 40 ft/min.	2.5–150mm	0–19m/min
First belt speed	2 m/s	0–20m/min	24m/s
Second belt speed	1 m/s	24m/s	24m/s
Sanding belt size	2000mm / 8'	24m/s	18m/s
Total power	6 HP	18m/s	1330*2200mm
First belt motor	30 HP	1330*2200mm	64 kw
Second belt motor	20 HP	64 kw	22kw
		22kw	22kw
		22kw	15kw
Motors position	INSIDE		INSIDE
Feeding motor	7.5 HP (inverter)	15kw	4kw (inverter)
Lift & decline motor	1.5 HP	INSIDE	0.5kw
Brush motor	0.5 HP	4kw (inverter)	0.25kw
Working pressure	0.4–0.8Mpa	0.5kw	0.4–0.8Mpa
Compressed air		0.25kw	1CBM/min
consumption	1 CBM/min	0.4–0.8Mpa	2700*2000*2120mm
Overall dimension	2300*1700*2120mm 90" x 65" x 85"	1CBM/min 2700*2000*2120mm	4,100 kgs
Weight	7,100 Lbs.	4,100 kgs	



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

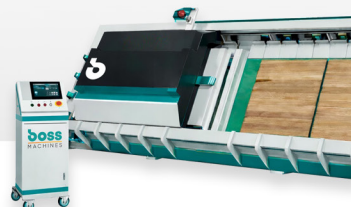
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



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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