
ATACAMA

boss
MACHINES

2 HEAD FLEXIBLE FINISHING SANDER

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

Your go to for veneer and sealer sanding

Engineered for precision veneer and decorative panel sanding, the BOSS ATACAMA delivers consistently smooth, high-quality finishes across a wide range of panel materials.

The BOSS ATACAMA features a fixed working table with floating sanding units, maintaining a constant pass line for seamless integration into production environments. This design provides consistent sanding depth, dependable material handling and a uniform, high-quality finish.

A precision pneumatic sanding pad applies controlled, even pressure across the panel surface while adapting to minor variations in material thickness. This helps prevent over-sanding and veneer breakthrough, protects delicate surfaces and delivers consistent results on veneers and decorative panels.

Multiple Sanding Units for Maximum Versatility

The BOSS ATACAMA offers a variety of medium- to soft-Shore rubber sanding rollers and responsive sanding pads for applications ranging from controlled material removal to precision finishing. Its versatile configuration delivers consistent, high-quality results across panels, delicate veneers and furniture components.

First working unit

Cross Belt Sanding Pad w/ ESP (Electromagnetic Sanding Pad) and inner chevron belt

Second working unit

The 180 mm diameter sanding roller, featuring 45-Shore rubber hardness, provides softer, more responsive sanding contact for delicate veneer and fine-finishing applications. Variable speed control allows performance to be optimized for different materials and surface requirements. Integrated anti-dubbing technology detects the leading and trailing edges of each panel, precisely controlling sanding contact to reduce edge rounding and minimize the risk of sanding through sensitive veneer surfaces.



Supercharged consistency with the Delta AS300

Engineered for precision and speed, this high-performance controller takes the guesswork out of industrial woodworking 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.

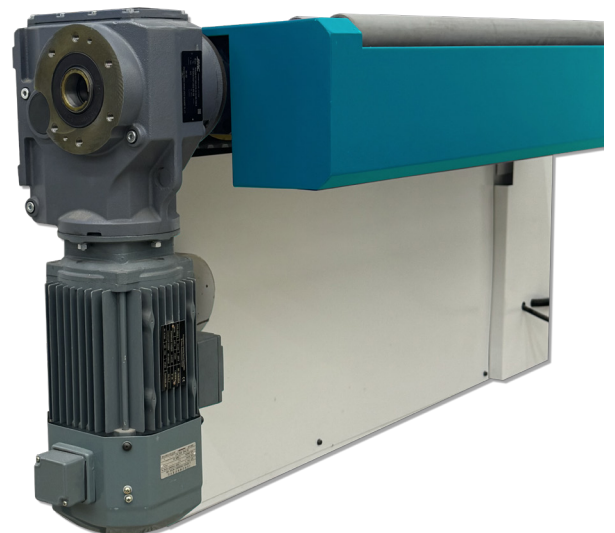


Independent ABB Variable-Speed Drive Control

The BOSS ATACAMA is equipped with dedicated ABB variable-frequency drives, providing independent and precise speed control of key sanding and material handling functions. Operators can optimize belt and feed speeds for different panel materials, veneer thicknesses and finish requirements. Controlled acceleration and deceleration reduce mechanical stress, while consistent motor performance supports smoother operation, repeatable sanding results and improved energy efficiency.

POWER THAT DRIVES PRECISION

Equipped with a high-quality gearbox and inverter motor, The Erosion line of Brush Sanders deliver smooth, powerful, and ultra-precise performance under continuous industrial workloads. Reduced vibration, optimized speed control, and long-term reliability ensure maximum productivity and consistent results every shift.



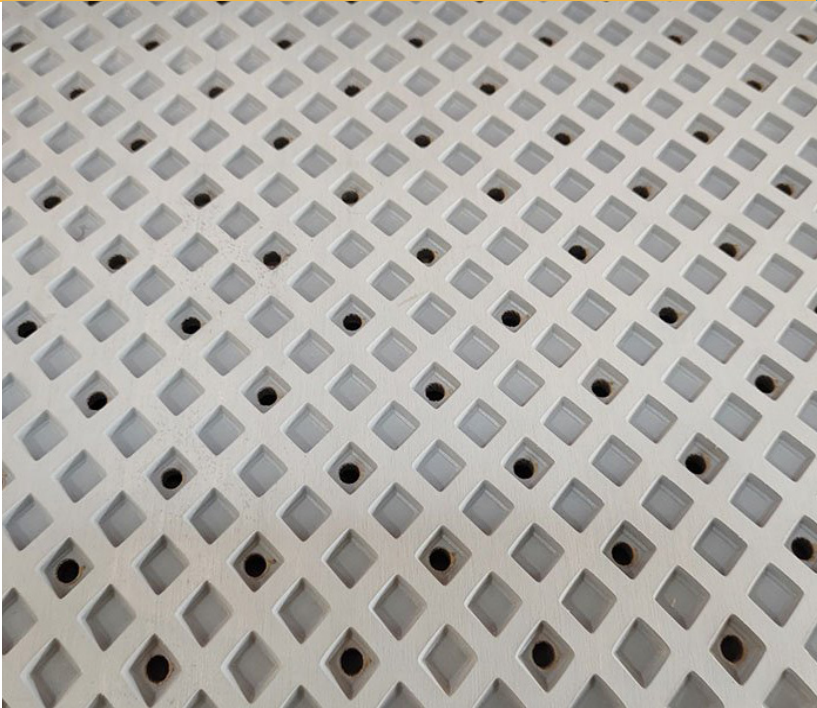
Rotary Air Jet Cleaning System

High-velocity rotary air blowers remove residual sanding dust from the workpiece surface before it exits the machine, ensuring a cleaner panel, reducing contamination in downstream finishing processes, and helping deliver a superior final finish.



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.

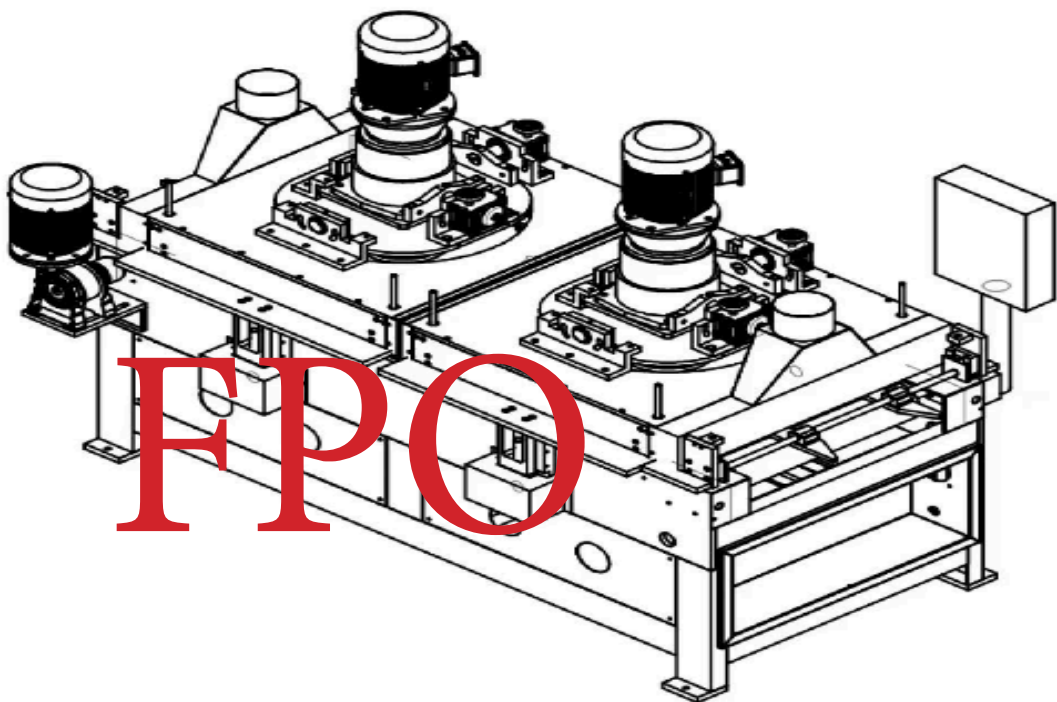


Integrated anti-dubbing

This optical technology detects the leading and trailing edges of each panel, precisely controlling sanding contact to reduce edge rounding and minimize the risk of sanding through sensitive veneer surfaces.



Machine layout and dimensions



Technical Specifications

Working width	40-1350 mm	1.57-53.15 in
Working thickness	2.5-120 mm	0.10-4.72 in
Minimum working length	330 mm	12.99 in
Working height	900 mm	35.43 in
First roller diameter	320 mm / Shore 55	12.60 in / Shore 55
Second roller diameter	180 mm / Shore 45	7.09 in / Shore 45
First belt speed	0-20 m/s (with inverter)	0-3,937 ft/min
Second belt speed	0-16 m/s (with inverter)	0-3,150 ft/min
Sanding belt size	1380 x 2620 mm	54.33 x 103.15 in
Sanding belt grit	240#, 320# 240#, 320#	
Feeding belt size	1360 x 4990 mm	53.54 x 196.46 in
Feeding speed	0-19 m/min	0-62.3 ft/min
Total power	43 kW	57.7 HP
First belt motor	18.5 kW - 4P	24.8 HP - 4P
Second belt motor	15 kW - 4P	20.1 HP - 4P
Feeding motor	3 kW	4.0 HP
Lift & decline motor	0.75 kW - 4P	1.0 HP - 4P
Brush motor	0.25 kW - 6P	0.34 HP - 6P
Working pressure	0.4-0.8 MPa	58-116 PSI
Compressed air consumption	1 CBM/min	35.3 CFM
Dust collector outlet	Ø150 x 5	Ø5.91 in x 5
Overall dimensions	2715 x 2040 x 2371 mm	106.89 x 80.31 x 93.35 in
Weight	Approx. 5900 kg	Approx. 13,007 lb



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

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



SIROCCO

Wirebrush Machines

Available in 2, 3 and 6 head, 600-1600mm widths, 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

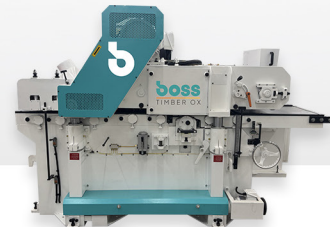
High-precision profiling, heavy-duty production, and intelligent automated setup in solid wood and engineered components.



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

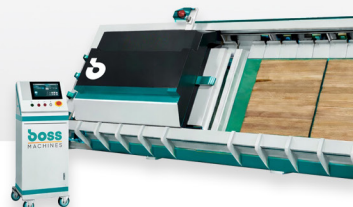
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



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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