
TIMBER OX

boss
MACHINES



DOUBLESIDED PLANER

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.

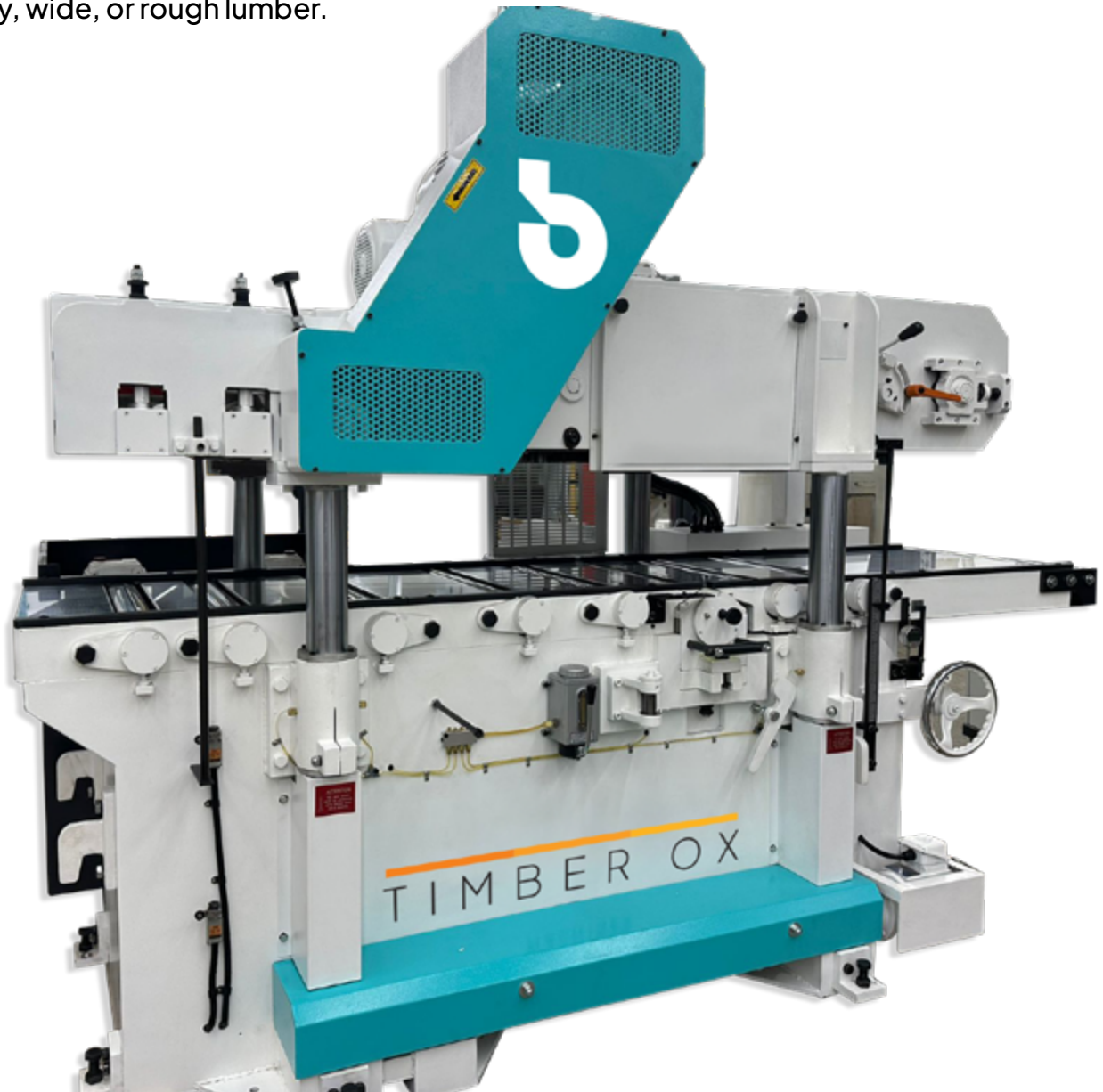
Built for Quality. Engineered for ROI.

bossmachines.com

Key features and applications

Built for high-production environments, capable of feed speeds up to 98 FPM with a rigid cast iron frame and industrial cardan shaft drive system for consistent, day-to-day performance. Large diameter spiral cutterheads with two-sided solid carbide inserts deliver aggressive stock removal while maintaining a clean, high-quality finish.

A spring-loaded pin feed system carries material smoothly over the bottom head, while an adjustable infeed bed allows precise control of material removal. Final thickness is set through a digital control, with the top head and feed assembly automatically positioning for fast, accurate setup and repeatable production results. Seven bottom rollers, including three powered rollers, provide strong material support and positive feeding—ensuring stable throughput and consistent tracking, even with heavy, wide, or rough lumber.



Maximum reliability. Maximum flexibility.

With a capacity of up to 24" wide and 14" thick, the Timber Ox is designed for maximum flexibility, allowing manufacturers to process material down to 1/4" for precision planing while also handling heavy-duty applications such as mass timber and glulam beams with ease and consistency.

Central greasing system

The central greasing system provides consistent lubrication to key machine points, reducing friction and wear while extending component life. It minimizes manual maintenance requirements and helps ensure reliable, uninterrupted operation in continuous production environments.



Heavy-duty full cardan shaft assembly

This assembly delivers a rigid, high-efficiency power transmission system designed for continuous industrial operation. By mechanically linking all feed rollers through a precision-balanced drive system, it ensures perfectly synchronized material movement across the entire bed. This eliminates slippage, improves feed consistency, and maintains stable performance even at high feed speeds and under heavy loads. The cardan shaft system enhances overall reliability, reduces wear on drive components, and supports smooth, controlled feeding.



Schneider Electrical Components

Equipped with Schneider electrical components for dependable control, enhanced safety, and long-term operational reliability in demanding production environments. These industry-grade systems ensure consistent machine performance, simplified troubleshooting, and improved serviceability, helping minimize downtime and support continuous production.



VFD drive & electronic controls for simplified precision setup

Production efficiency is enhanced through a VFD-controlled variable feed speed with digital display, alongside digital thickness control for fast, precise setup.

Operational monitoring is simplified with a swivel control panel featuring individual ammeters and an hour meter for maintenance planning. Y-Delta starter configuration provides soft start-up for reduced power demand



Powerful feed system

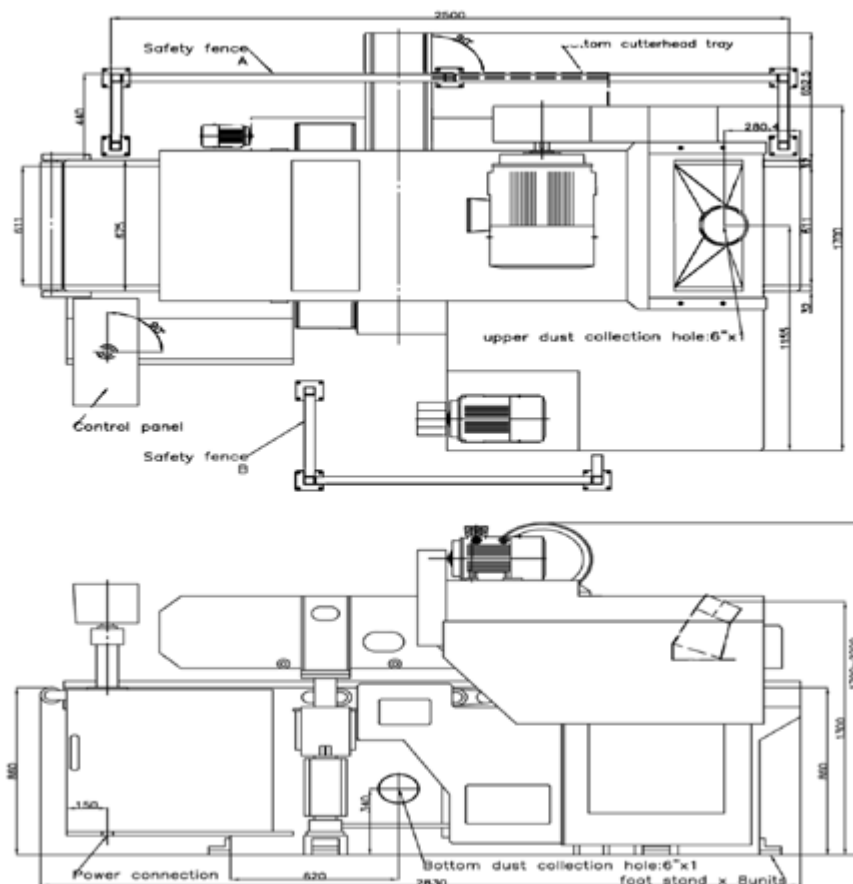
Heavy-duty feed system engineered for continuous production, delivering consistent and reliable material movement through the planer at high feed speeds. A spring-loaded pin (pin-type carpet) feed system carries material smoothly over the bottom head, ensuring stable support and a consistently flat reference surface throughout the cut. This design improves control on rough, wide, or heavy stock while maintaining steady feed pressure and accurate processing.

Double-sided solid carbide inserts

30 x 12 x 2.5 mm reversible inserts designed for long-lasting performance, precision cutting, and reduced downtime. Featuring two usable cutting edges, these inserts maximize tool life while maintaining consistent cutting quality and surface finish. Ideal for planer heads and high-production woodworking applications requiring durability, accuracy, and reliable performance.



Machine layout and dimensions



Technical Specifications

Max working width	24" (610mm)
Max. working thickness	14" (355mm)
Min. working thickness	.482" (12mm)
Min. working length	11.8" (299mm)
Cutterhead RPM	4600 RPM
Cutterhead diameter	5.3" (134mm)
Cutterhead inserts	30mmx12mm x2.5mm (1.1" x.47" x .09") 105 pc per head x 2
Feed speed	30 - 90 FPM (9.14 to 27.43 M/Min)
Top cutterhead motor	40 HP (29 kW)
Bottom cutterhead motor	30 HP (22 kW)
Feed motor	5 HP (3.6 kW)
Dust ports	2x6" (152mm) = 3500 CFM
Table rolls	7 (3) driven
Opening hoist motor	1 HP (.73 kW)
Machine weight	9,260 lbs. (4200 kgs)
Machine dimensions (LxWxH)	112"x67"x67" (2800mmx1700mmx1700mm)
Shipping weight	9700 lbs (4400 kgs)
Shipping dimensions (LxWxH)	116" x 75" x 79" (2950mm x 1900mm x 2000mm)
Machine electrics (standard)	460/3/60 = 110 AMPS (Other configurations available)



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

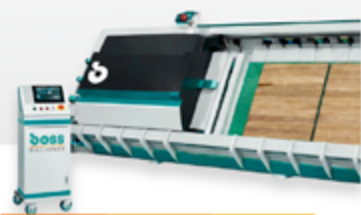
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



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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