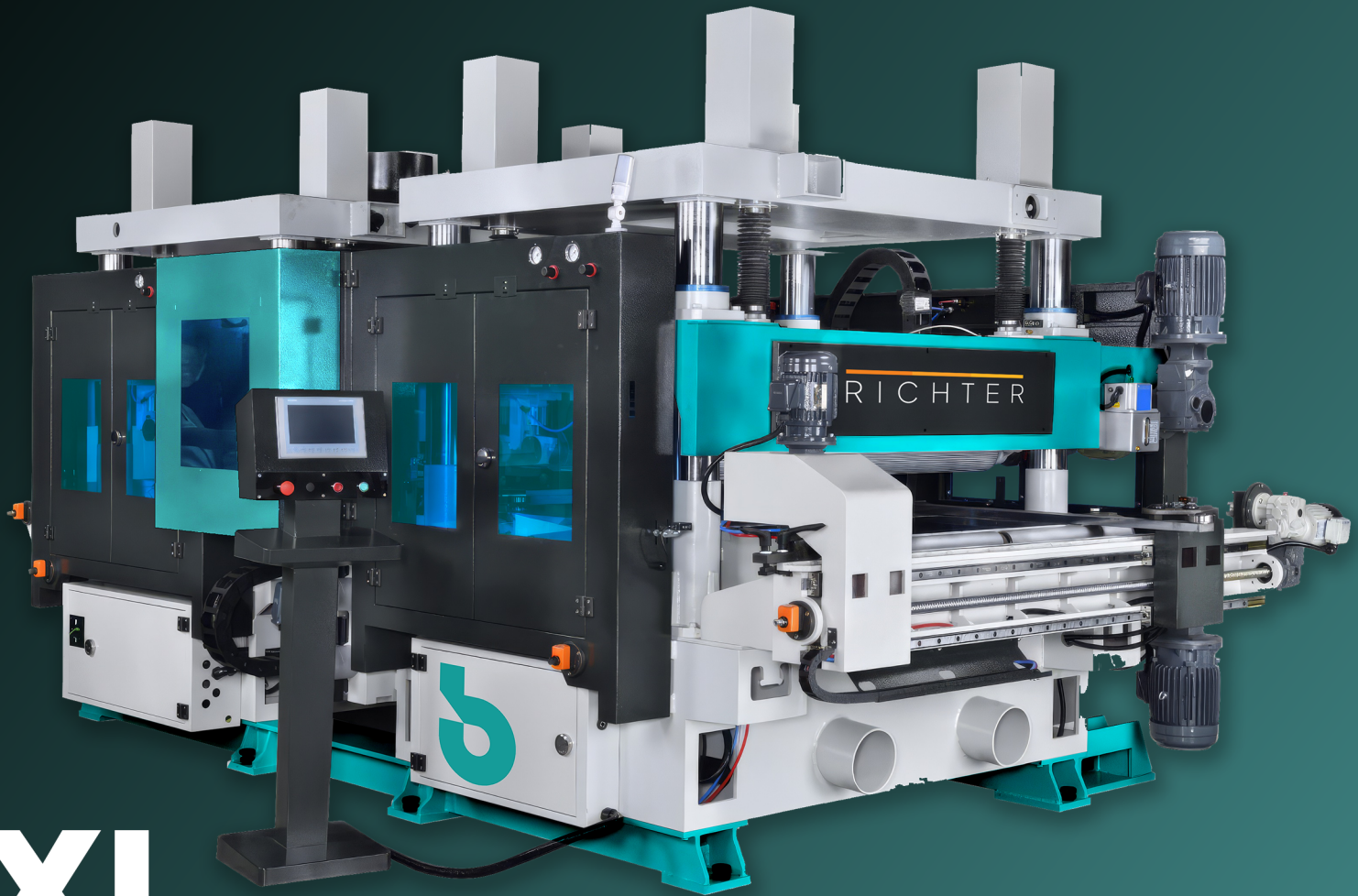

RICHTER

boss
MACHINES



XL FOUR-SIDED 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 demanding production environments, the BOSS RICHTER 4-Sided Planer delivers powerful, stable machining for CLT, LVL, and solid wood materials. Independent universal-joint transmission on every top and bottom feed roller provides full, consistent power to the workpiece, while the floating infeed system improves feeding stability—even when processing heavy or high-moisture content material. Variable feed speed allows operators to optimize machining performance for different applications and material conditions.

A rigid, wear-resistant worktable with a hard chrome-plated and precision-ground surface provides smooth material flow and long-term durability. The helical cutterhead with profiled cutters combines planing and moulding in a single pass, delivering high-efficiency production, excellent surface quality, reduced noise, and extended tool life. Powered upper mechanism adjustment and PLC touchscreen control simplify machine setup and operation, while the follow-up chamfering system automatically tracks changing workpiece dimensions for consistent chamfering without manual adjustment. Together, these systems provide reliable throughput, precise machining, and repeatable results in high-production environments.

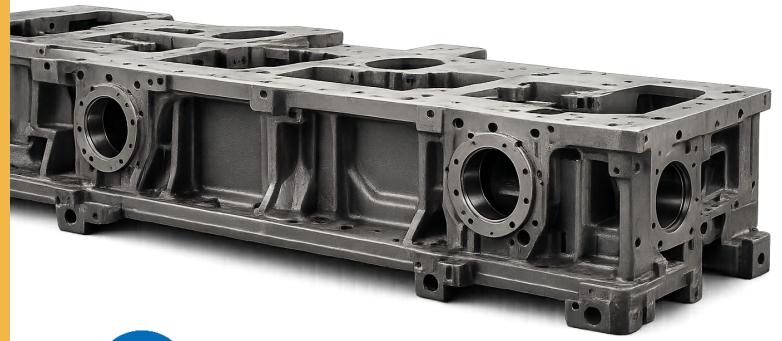


Built for single pass production.

Planing capacity widths up to 1,350mm (53 1/8") with 4 spindles + 2 chamfering cutters for full-profile output in a single feed.

YJF FC300 certified grey cast iron frame

The Magnitude is built on an FC300 certified grey cast iron frame — the same grade used in precision machine tool manufacturing. Specifically formulated to absorb temperature fluctuation and maximize vibration dampening, this foundation delivers consistent, accurate mouldings pass after pass. The result is reduced wear on machine components, extended service life, and the dimensional reliability that high-volume production demands.



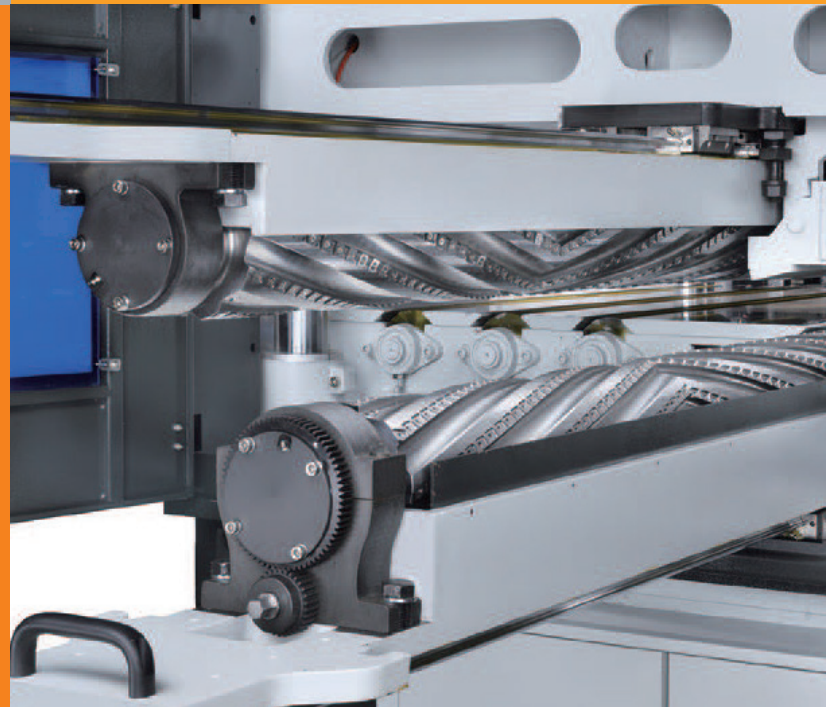
Driven side-pressure feed roller

The powered side infeed roller delivers additional lateral feeding force, helping guide material smoothly and consistently into the machine. This provides improved feeding stability, better control of the workpiece, and more reliable performance—particularly when processing wider or heavier material.



Easy to draw cutterhead

The easy-access cutterhead design and precision linear guide system enable fast, effortless cutterhead changes, minimizing downtime and maximizing productivity.



Optimal cutting position. extended tool life.

The moving fence system optimizes the cutting position for each workpiece, promoting consistent machining quality while reducing unnecessary tool and machine wear. By maintaining an ideal cutting position, it helps extend tool life, minimize operating costs, and reduce stress on critical machine components for long-term durability and reliable performance.

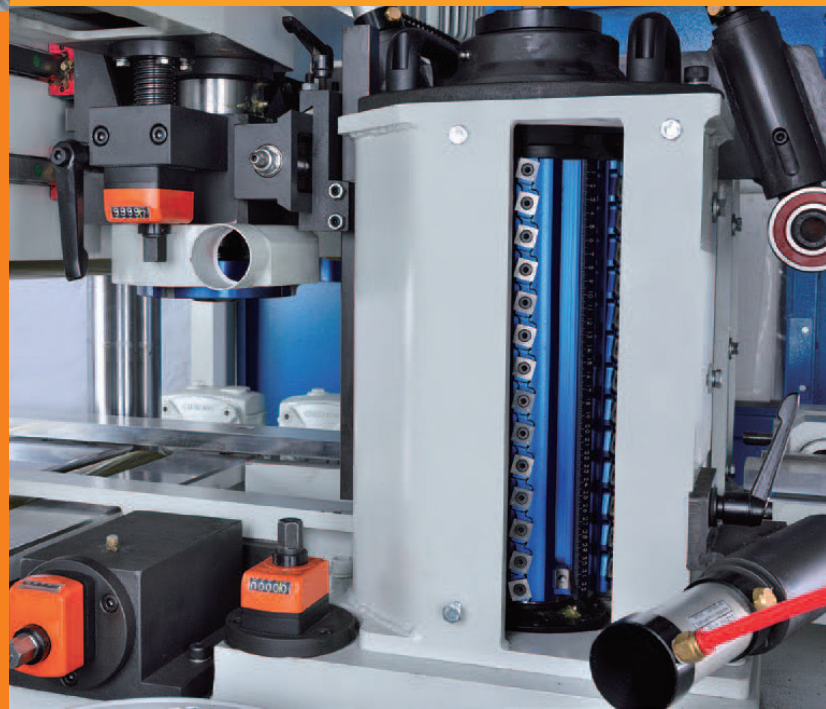


Pneumatic floating bottom infeed roller

The pneumatically controlled floating bottom infeed roller automatically accommodates variations in material thickness, maintaining smooth, consistent contact throughout the feeding process. With up to 5 mm of floating movement, it helps improve feeding stability, reduce material movement, and ensure a more uniform and reliable feed.

Helical cutterhead with profiled cutters

The helical cutterhead system with profiled cutters combines moulding and planing in a single continuous feed, delivering efficient, high-quality machining in one operation. The helical cutting action produces a smoother, cleaner surface while reducing cutting noise and vibration. Optimized cutter geometry also helps distribute wear more evenly, extending tool life and reducing maintenance and operating costs.



Technical Specifications

Working Width Working Thickness Minimum Planing Length	200–1,350 mm (7.9–53.1") 40–650 mm (1.6–25.6") 1,800 mm (70.9")
Horizontal Spindle Diameter (1 & 2) Cutting Circle Speed Motor	60 mm (2.36") 160 mm (6.3") 4,000 rpm 40 hp
Vertical Spindle Diameter (3 & 4) Cutting Circle Speed Motor	60 mm (2.36") 140–230 mm (5.5–9.1") 6,000 rpm 25 hp
Horizontal Spindle Diameter (5 & 6) Cutting Circle Speed Motor	60 mm (2.36") 140–230 mm (5.5–9.1") 6,000 rpm 40 hp
Chamfer Spindle Diameter Cutting Circle Speed Motor Feed Roller Diameter Number of Rollers Feed Speed Feed Motor	20 mm (0.79") 125 mm (4.9") 6,000 rpm 0.5 hp 140 mm (5.5") 9 + 7 sets 6–12 m/min (20–39 FPM) 5.5 + 5 hp
Dust Hood Outlets Bottom Spindle Upper Spindle Right Spindle Left Spindle Chamfer Spindle	200 mm × 2 (7.9" × 2) 300 mm × 1 (11.8" × 1) 150 mm × 2 (5.9" × 2) 150 mm × 2 (5.9" × 2) 75 mm (3.0")



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

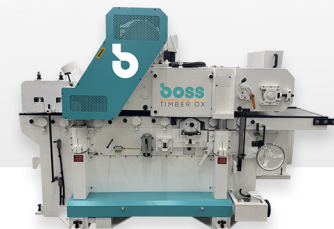
High-precision profiling, heavy-duty production, and intelligent automated setup in solid wood and engineered components.



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

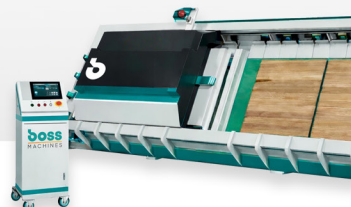
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



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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