

FISSURE

boss
MACHINES



VERTICAL RESAW

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

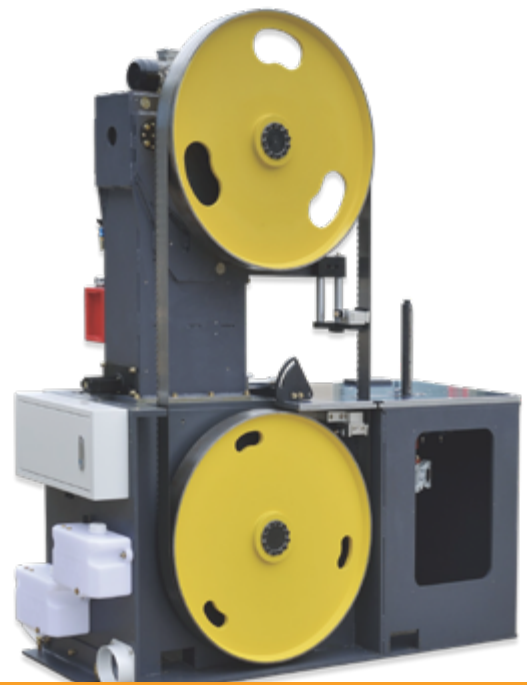
The BOSS Fissure Vertical Resaw is engineered to deliver precision resawing, exceptional reliability, and high production output in a compact footprint. Built for demanding sawmills, secondary wood manufacturers, millwork shops, flooring producers, and component manufacturers, the Fissure combines industrial-grade construction with advanced controls to maximize productivity while minimizing floor space.

Designed around a heavy-duty steel frame and precision-machined components, the Fissure features a full-width cast iron work table, precision multi-roller fence with digital positioning, and replaceable pressure guides that maintain accurate, repeatable cuts throughout extended production runs. Pneumatic blade tensioning, automated self-correcting blade system, intuitive touchscreen controls, and a **VFD** Variable Frequency Drive delivering infinitely variable feed speeds allow operators to quickly optimize performance for changing material sizes and production requirements.



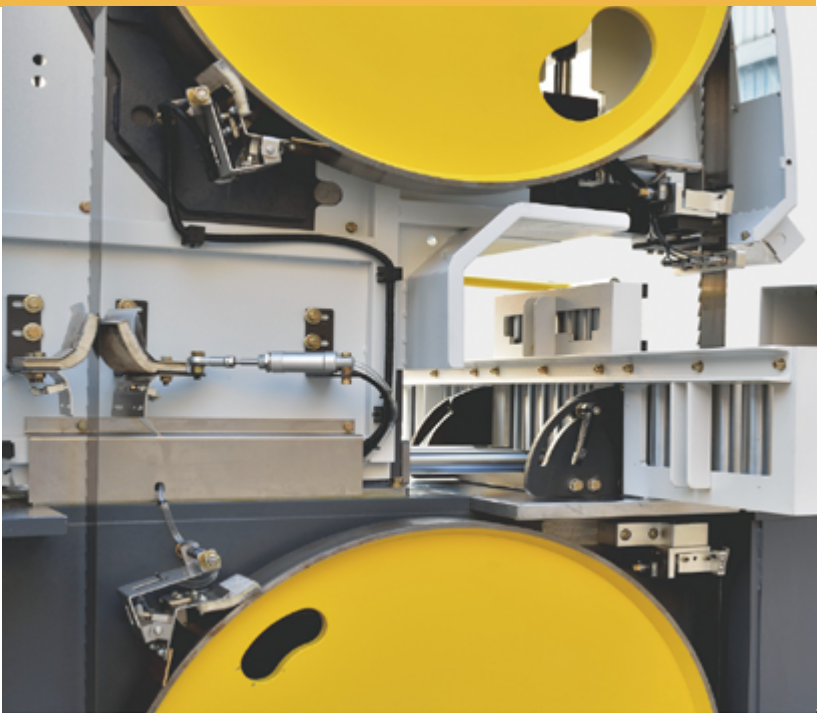
Heavy-duty direct drive

Unlike conventional designs where bearings are mounted within the drive wheel, the Fissure's drive wheel is supported by precision bearings mounted directly on the drive shaft. This superior configuration increases structural rigidity, reduces deflection under load, and delivers exceptional cutting stability and long-term reliability.



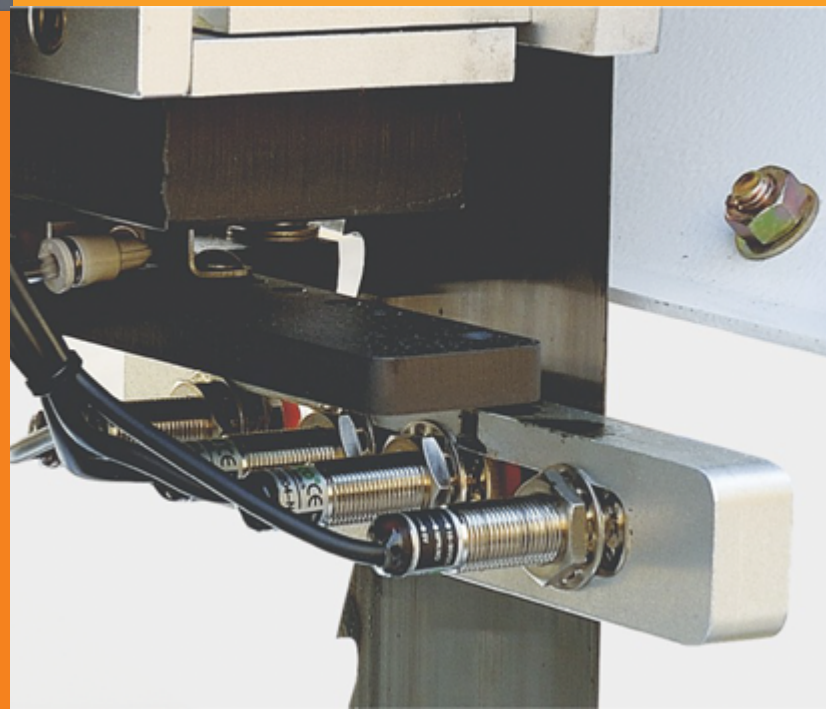
Automatic multi-point blade cleaning

Multi-point cleaning stations automatically remove sawdust and debris from the blade and band wheels during operation, preventing buildup that can affect cutting accuracy and blade performance. The result is improved blade tracking, longer component life, and reliable, uninterrupted production.



Automatic self correcting blade system

Precision sensors continuously monitor blade position while high-speed servo motors automatically maintain optimal blade alignment throughout operation. Unique to the Fissure Resaw, this self-correcting system delivers exceptional cutting accuracy, increased productivity, and reduced operator adjustment.



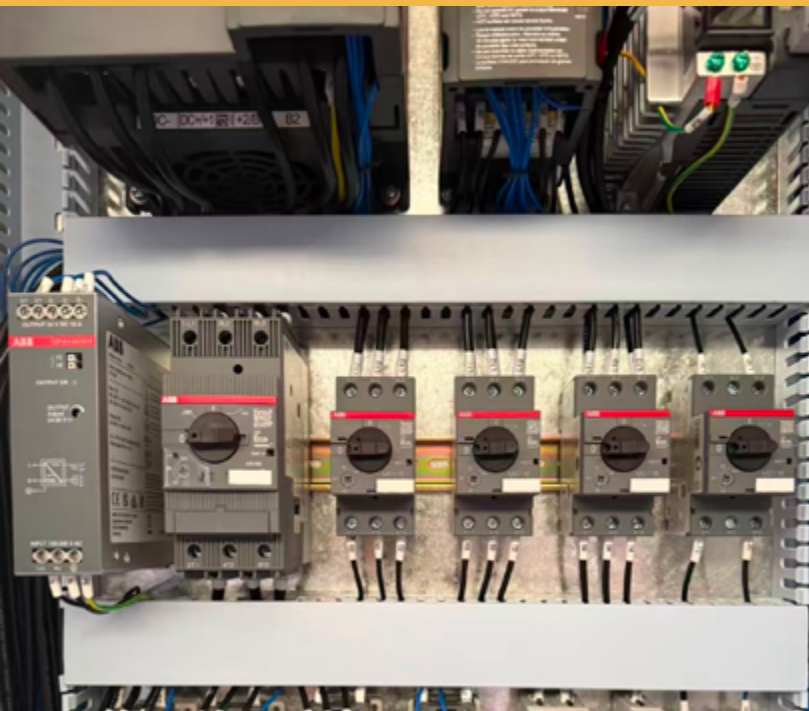
Easily adjustable tilt angle

An adjustable tilting side grid that can be easily positioned from 0–45 degrees to accommodate a wide range of material profiles and cutting applications. This versatile adjustment allows operators to securely position irregular, angled, or specialty-shaped materials while maintaining precise blade alignment and consistent feed pressure. The result is greater flexibility, improved cutting accuracy, and the ability to process a broader range of materials with exceptional control.



ABB electrical components

Recognized globally for their reliability, precision, and industrial performance. Advanced ABB controls and power components provide stable machine operation, accurate system monitoring, and enhanced protection of critical electrical systems. This ensures dependable performance in demanding production environments, reduces downtime, simplifies serviceability, and delivers long-term reliability with components supported by a worldwide service network.

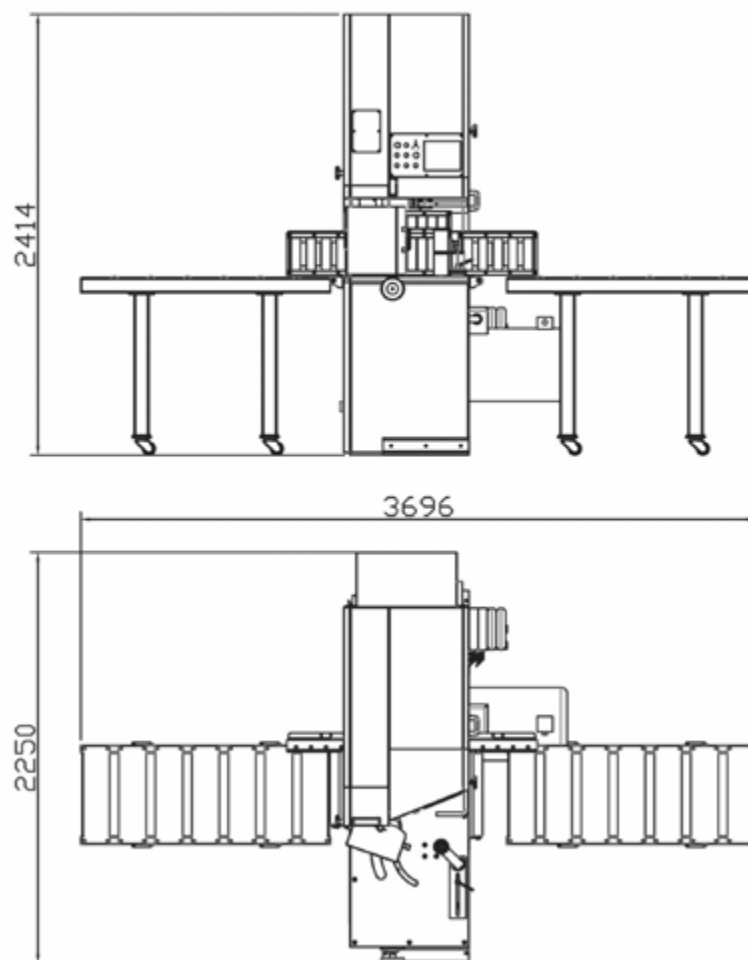


Automatic hydraulic pneumatic blade tensioning

An advanced hydraulic-pneumatic tensioning system continuously monitors and automatically adjusts blade tension to maintain optimal cutting performance. By compensating for changes in blade load and operating conditions, the system delivers consistent cutting accuracy, improved blade life, and reduced operator intervention.



Machine layout and dimensions



Technical Specifications

Maximum working height	370 mm	14.6 in.
Minimum working thickness	2–3 mm	0.08–0.12 in.
Maximum distance between feeding wheel and leaning grid	510 mm	20.1 in.
Maximum distance between feeding wheel and saw belt	210 mm	8.3 in.
Maximum distance between saw band and leaning grid	300 mm	11.8 in.
Tilting angle against grid	0–45°	0–45°
Maximum feeding speed	0–40 m/min	0–131 ft/min
Saw wheel diameter	916 mm	36.1 in.
Saw wheel width	80 / 90 mm	3.15 / 3.54 in.
Saw blade size	5700 x 80 mm	224.4 x 3.15 in.
Blade tension	125–140 kg/cm ²	1,778–1,991 PSI
Main saw motor power	15 kW	20.1 HP
Feeding motor power	0.75 / 1.1 kW	1.0 / 1.5 HP
Saw wheel swing angle motor power	0.37 kW	0.5 HP
Automatic feeder motor power (optional)	0.75 kW	1.0 HP
Total connected power	17 kW	22.8 HP
Voltage	380V	380V
Air pressure	0.7 MPa	101 PSI
Overall dimensions	3.7 x 2.25 x 2.4 m	145.5 x 88.6 x 95.0 in.
Weight	3400 kg	7,496 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

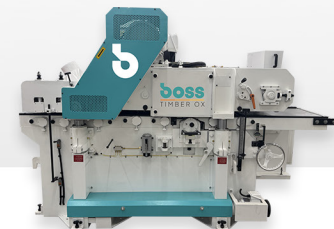
High-precision profiling, heavy-duty production, and intelligent automated setup in solid wood and engineered components.



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

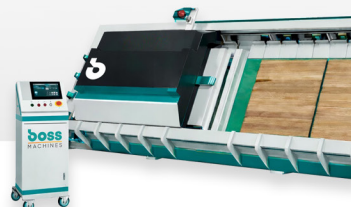
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



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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