

TETRA

boss
MACHINES



4-SIDED MOULDER

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.

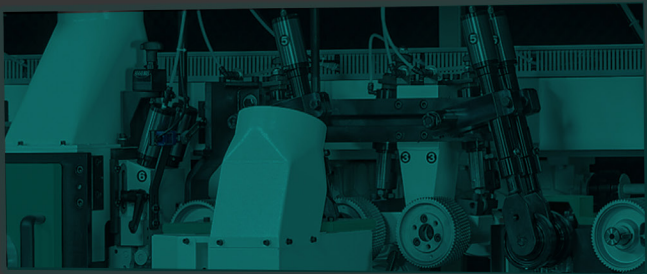
bossmachines.com

THERE'S A NEW BOSS IN TOWN.

With more than 30 years experience, our expert team has sold more than our fair share of moulders and has been paying close attention to our customer's feedback. We have learned what works best. The MAGNITUDE line was BORN FROM NECESSITY and boasts superior design, engineering, and customer support.

WE'RE HERE TO HELP. TALK TO OUR BOSS.

647-688-1400



MAGNITUDE

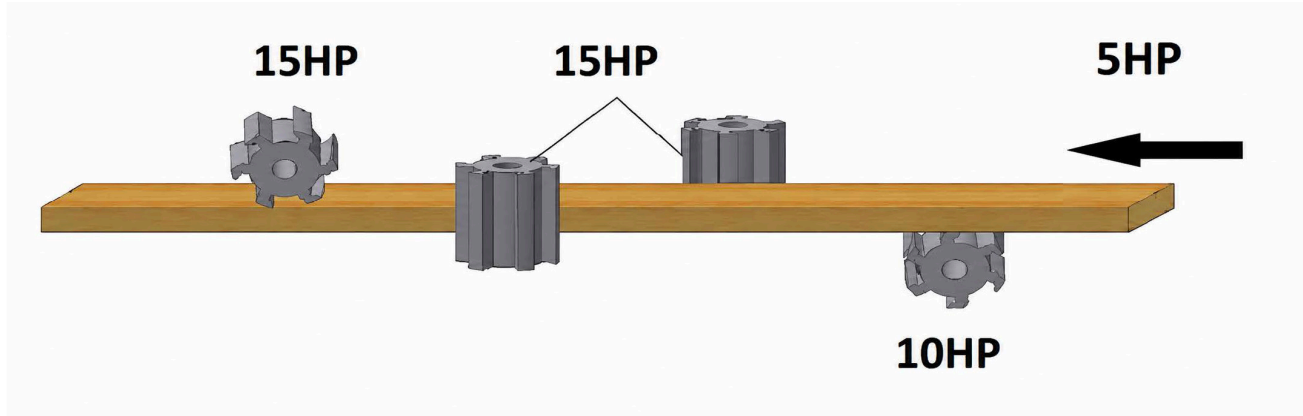


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MOULDERS

Four Finished Surfaces. One Productive Pass.

The Boss Tetra is a heavy-duty four-sided planer designed to size and finish lumber efficiently in one continuous pass. Its four-spindle configuration machines the bottom, sides and top of each work-piece, transforming rough stock into accurately squared material ready for downstream production.

Powerful spindle motors, automated positioning and variable-speed feeding make the Boss Tetra an ideal solution for manufacturers seeking dependable output, repeatable dimensions and faster changeovers.

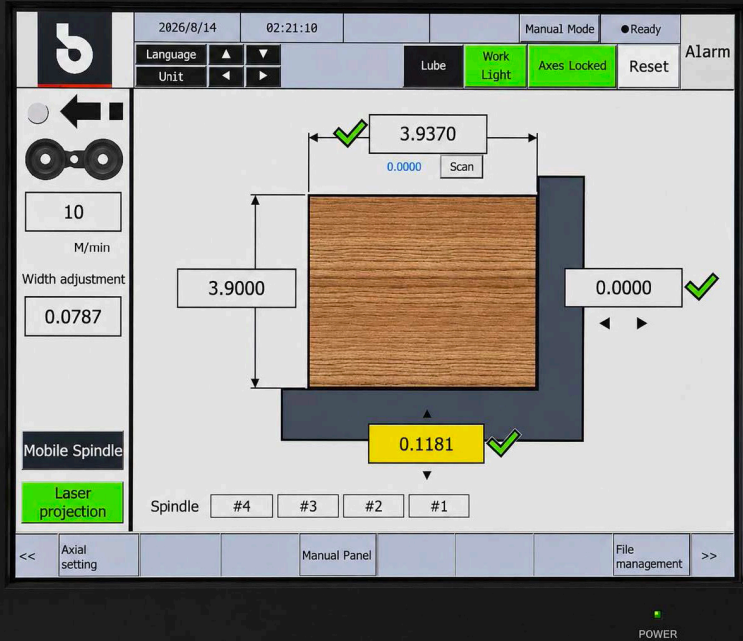


Digital Control Features

- Syntec PLC control system
- 10-inch HMI touchscreen
- Four-axis digital control
- Servo-driven spindle positioning
- Automatic feed-beam positioning
- Storage for up to 200 production settings
- SIKO digital position readouts

These features support repeatable setups, reduce manual adjustment and help maintain consistent dimensions across production runs.

SYNTEC HC10C-S PLUS



Automated Width and Thickness Control

The Boss Tetra is engineered for the accurate production of squared, four-sided material. Servo-controlled positioning automatically adjusts the left-side and top spindles, while motorized positioning of the infeed table and fence helps streamline product changeovers.

A laser projection system provides a real-time indication of the finished width and thickness, allowing operators to verify the intended final dimensions before machining begins.

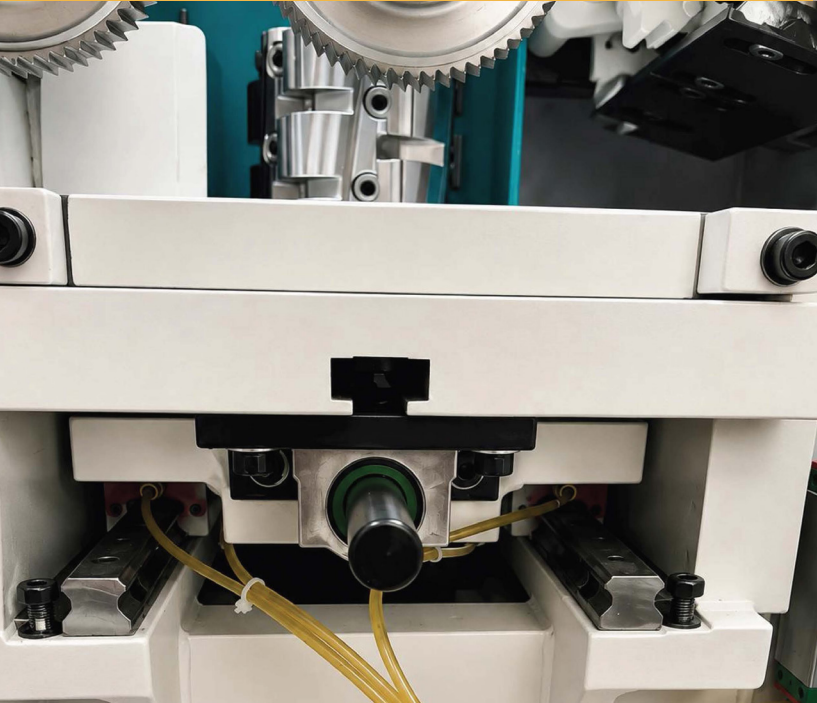
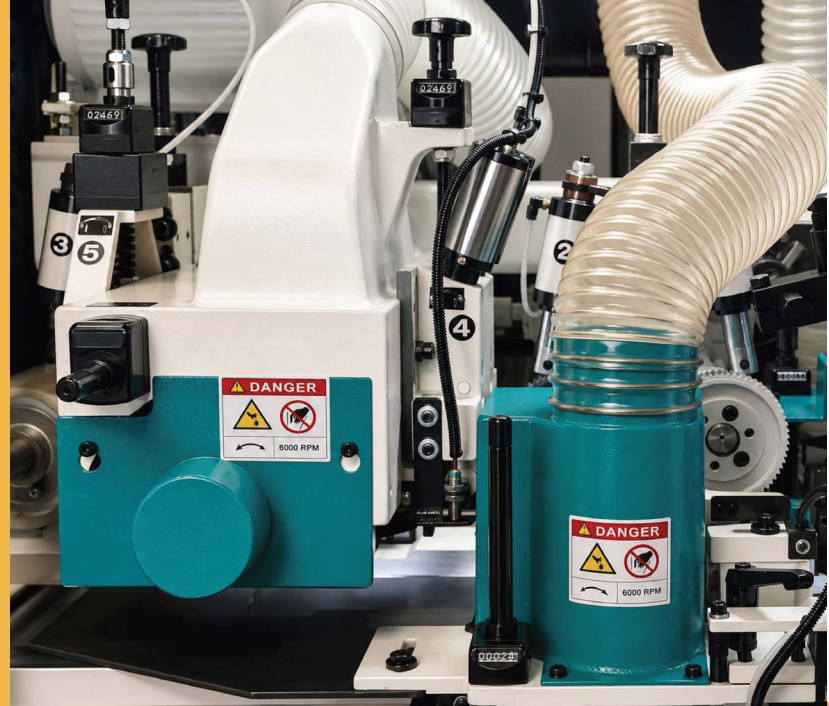
Built for Reliable Daily Production

The Boss Tetra combines heavy-duty construction with practical systems designed to support uptime and repeatability. Servo-controlled spindle adjustments improve positioning accuracy, while digital readouts give operators clear references during setup and operation.



Expand Beyond Standard Four-Sided Planing

Axial positioning allows planer heads to precisely align profile tooling with the work-piece, expanding the machine beyond standard four-sided planing to produce custom profiles in a single pass. This added flexibility reduces secondary operations, setup time, and material handling while increasing overall productivity.



Precision Spindle Adjustment

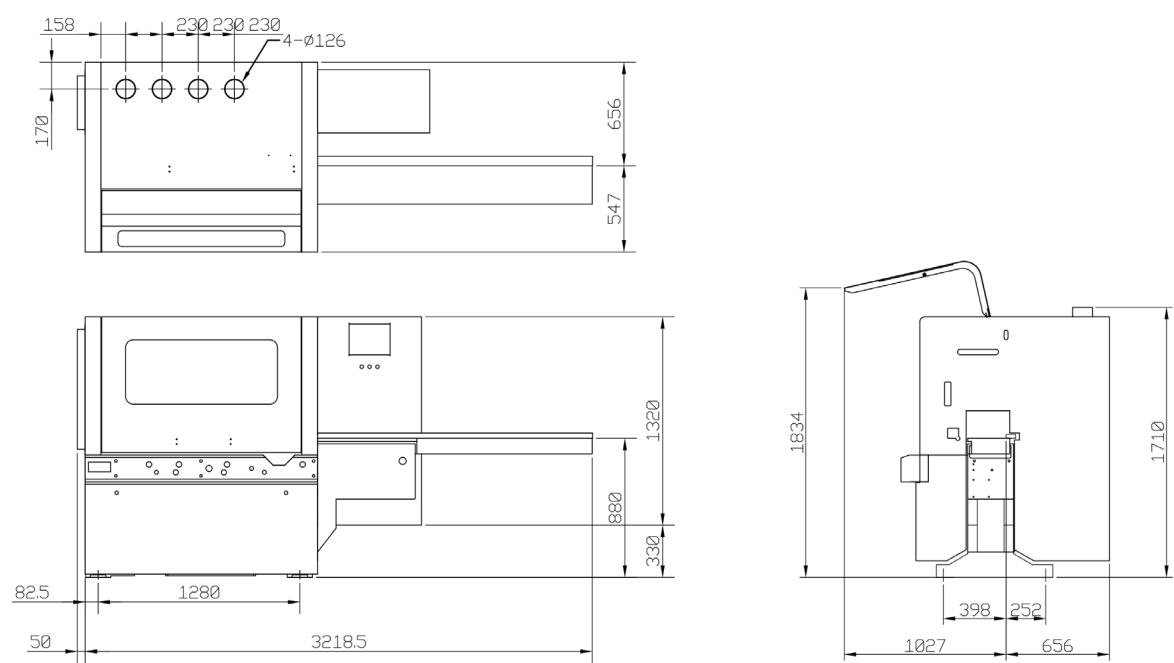
Precision linear bearings and a THK guide system provide smooth, rigid, and highly accurate spindle adjustments. This ensures repeatable positioning, reduced vibration, and consistent machining quality throughout the machine's service life.

Independent Pressure Shoe & Chip Breaker Adjustment

Independent adjustment of the pressure shoe and chip breaker provides precise control for varying work-piece dimensions and cutting conditions. This flexibility improves material stability, chip control, and surface quality while simplifying setup.



Machine layout and dimensions



Technical Specifications

Spindle Configuration	
First spindle	10 HP
Side-spindle drive	15 HP
Fourth spindle	15 HP
Feed system	5 HP
Spindle speed	6,000 RPM
Cutterhead package	Heavy-duty helical
Included Cutterhead Package	
5-inch helical cutterheads	Two
9-inch helical cutterheads	Two
Cutterhead diameter	125 mm (4.92")
Cutterhead bore	46 mm (1-13/16")
Cutterhead construction	Six-wing
Carbide inserts	30 × 12 × 1.5 mm (1.18 × 0.47 × 0.06")
Production Capacity	
Planing width	10–230 mm (0.39–9.06")
Planing thickness	7–125 mm (0.28–4.92")
Feed speed	6–25 m/min (20–82 FPM)
Spindle speed	6,000 RPM
Spindle diameter	46 mm (1-13/16")
Horizontal axial adjustment	20 mm (0.79")
Vertical axial adjustment	30 mm (1.18")
Dust-collection ports	125 mm (4.92")
Operating power	460 V / 60 Hz



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

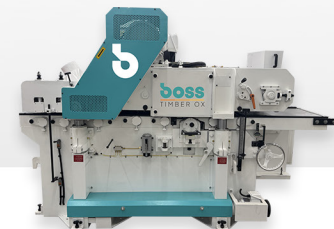
High-precision profiling, heavy-duty production, and intelligent automated setup in solid wood and engineered components.



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

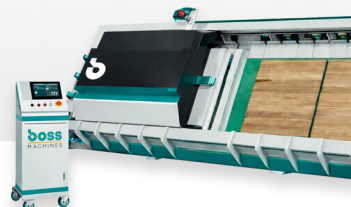
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



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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