

MAGNITUDE

boss
MACHINES



2018 SIX HEAD 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.

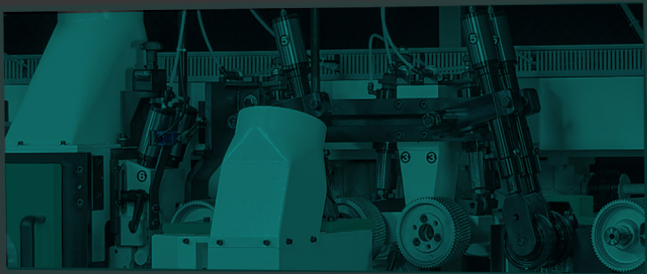
bossmachines.com

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



boss
MOULDERS

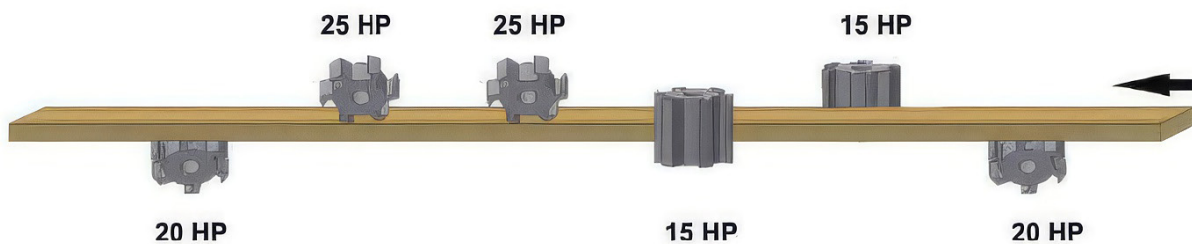
Engineered for high-production solid wood machining, the BOSS MAGNITUDE delivers exceptional moulding accuracy, superior finish quality, and fast, repeatable setups across a wide range of profiles and wood species. Featuring BOSS Lock HSK technology for secure, precise tooling changes and reduced setup time, the MAGNITUDE Rapid Setup 6 head moulder helps manufacturers increase productivity while maintaining consistent quality.

Built for demanding woodworking operations, the MAGNITUDE combines heavy-duty construction with advanced technology to minimize downtime and maximize production efficiency. Ideal for manufacturers producing architectural millwork, flooring, furniture components, mouldings, doors, windows, and other precision wood products, it delivers the accuracy, flexibility, and reliability required for today's competitive market.

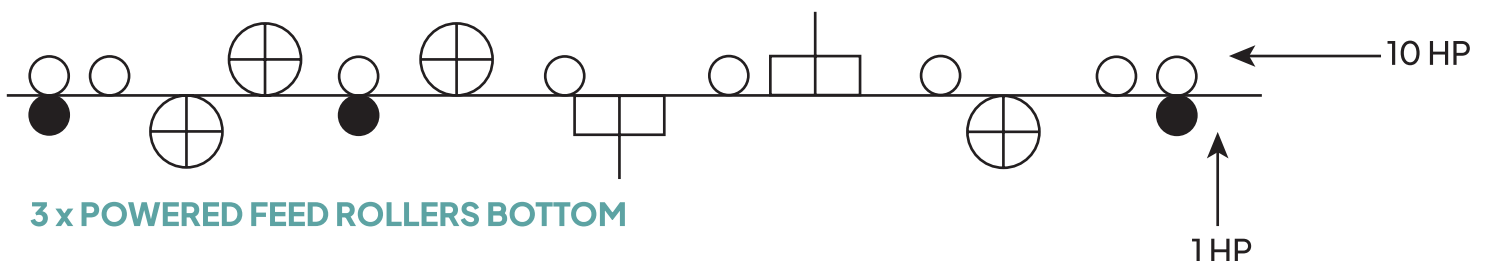
Designed for companies looking to increase throughput, improve product quality, and maximize return on investment—whether running custom orders or high-volume production.



MAGNITUDE 7018

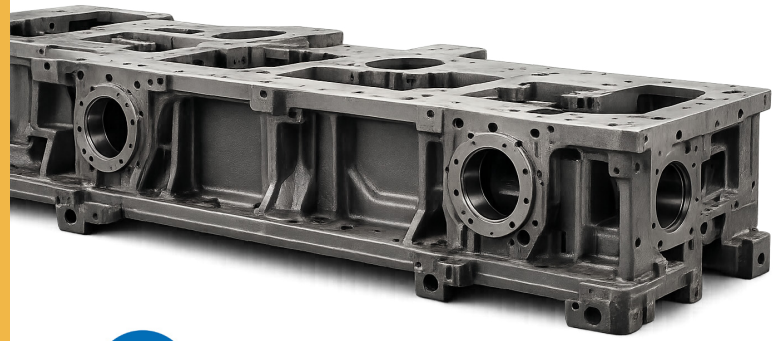


8 x POWERED FEED ROLLERS TOP



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.



BOSS ULTRA-DRIVE Feeding Works™

The MAGNITUDE feed system features 11 driven top rollers and 5 driven bottom rollers powered by a heavy-duty Cardan shaft — no chains, no maintenance headaches. An infeed side pressure roller automatically positions variable-width stock against the fence before the first bottom spindle, ensuring consistent material control without operator intervention. Driven by an IE3 high-efficiency feed motor with inverter drive, this system feeds rough hardwood and softwood with authority at speeds up to 40m/min.

Servo Positioning + OPTITRON™ Operating System

The BOSS OPTITRON™ operating system pairs a 15" industrial touchscreen with a handheld remote for precise CNC spindle positioning, giving operators full machine control from anywhere on the floor. Programmable hot keys store frequently used setups for instant recall, while micro-adjustment capability allows experienced operators to compensate for tooling fatigue mid-run — without stopping production. Changeover downtime is one of the biggest profit leaks in any moulding operation, and OPTITRON is engineered to close it.



High-Performance BOSS LOCK HSK Spindles with 2+2 SKF Bearing Assembly

BOSS LOCK HSK high-performance spindles feature a 2+2 SKF bearing assembly, hardened 4140 tool steel, and dynamically balanced spindle and pulley for unrivaled finish quality and dimensional accuracy under continuous load. Backed by the BOSS Assurance 24-hour spindle exchange program, your investment stays protected and your production stays running.



BOSS HSK
LOCK

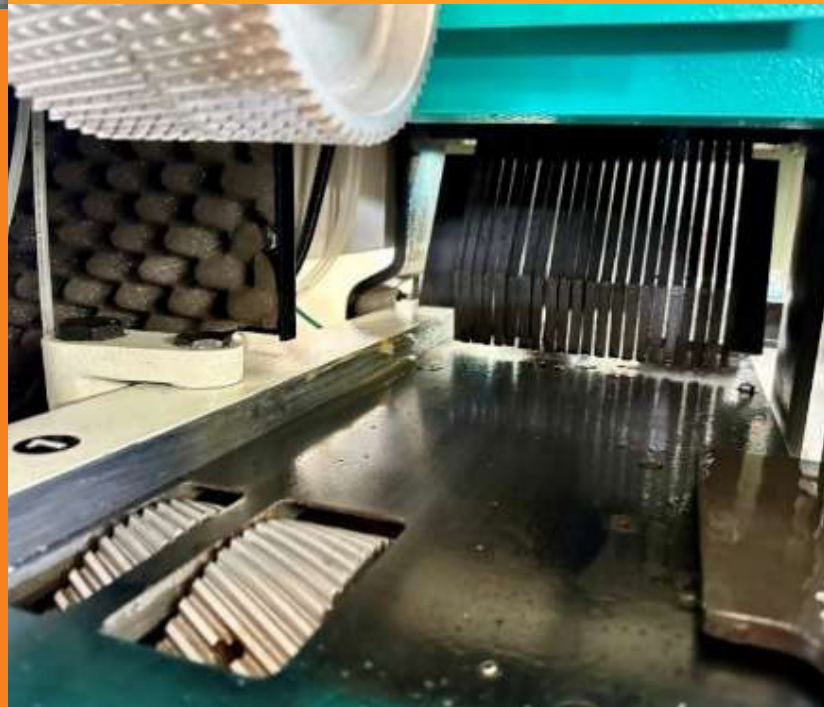


EZ-BOSS™ Quick Set Package

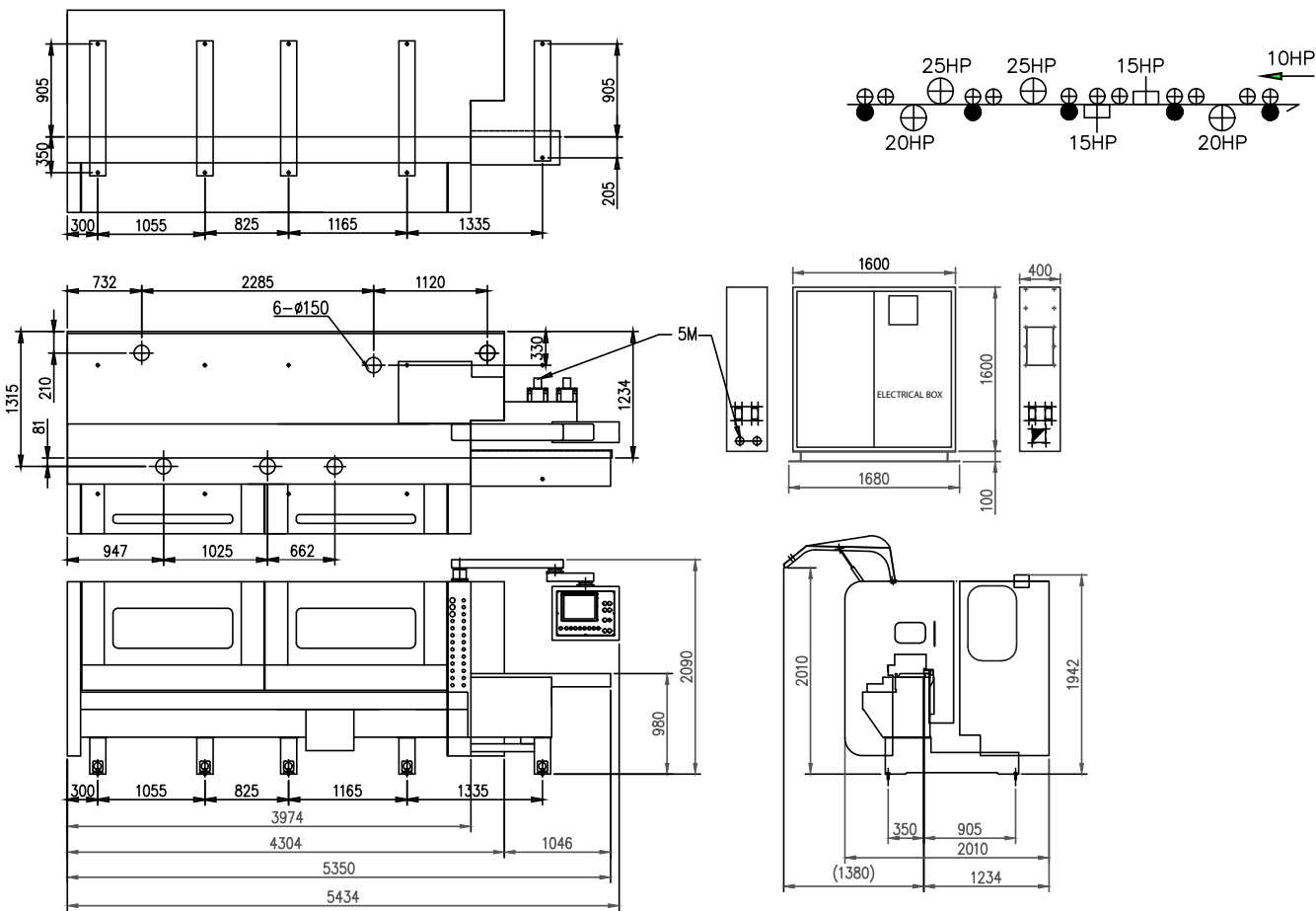
The EZ-BOSS™ Quick Set Package turns costly changeover time into a competitive advantage. Tool-free adjustments, integrated measurement scales, and visible positioning markers eliminate guesswork, while a quick-adjust fence after the right vertical spindle matches tool diameter changes in seconds — improving both setup speed and surface finish quality simultaneously.

BOSS BODYGUARD™ Automatic Safety System

The patent-pending BOSS BODYGUARD™ Automatic Safety System removes operator compliance from the safety equation entirely. Tamper-proof pneumatic anti-kickback fingers deploy automatically and cannot be bypassed — eliminating liability exposure and ensuring safety mechanisms remain fully functional at full production speed.



Machine layout and dimesnions



Technical Specifications

Capacity:

- Min-max working widt
- Min-max working thickness
- Min working length, piece by piece
- Min working length, end to end

- 10mm - 230mm (3/4" - 9 1/16")
- 10mm - 150mm (1/4" - 5 7/8")
- 900mm (35 1/2")
- 300mm (12")

General:

- Machine base
- Infeed table surface
- Main table surface
- Sound enclosure
- Machine enclosure

- Grey Cast Iron FC300 Certified
- chrome (0.3mm thick)
- chrome (0.3mm thick)
- Premium sound enclosure
- Light PLUS package

Spindles:

- Tool cutting circles, 1st bottom spindle
- Tool cutting circles, vertical spindles
- Tool cutting circles, horizontal spindles
- Adjustment range of vertical spindles
- Adjustment range of horizontal spindles

- 110mm -200mm (4.92" - 7.87")
- 140-250mm (5.51" - 9.84")
- 140-250mm (5.51" - 9.84")
- 80mm (3.14")
- 40mm (1.57")

Utilities:

- Voltage
- Amperage
- Compressed air (clean & dry)
- Dust extraction Six (6) ports
- One (1) port

- 460 Volts | 60hz | 3ph
- Refer to machine footprint
- 7 bar (100psi), 0.3348 CFM
- @ 175mm, 1100 CFM each
- @ 125mm, 500 CFM each



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

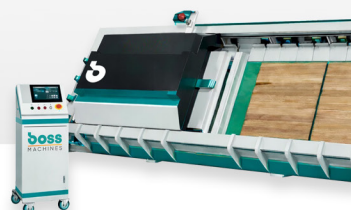
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



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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