

# G O B I

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MACHINES



# 3 HEAD PLANNER SANDER

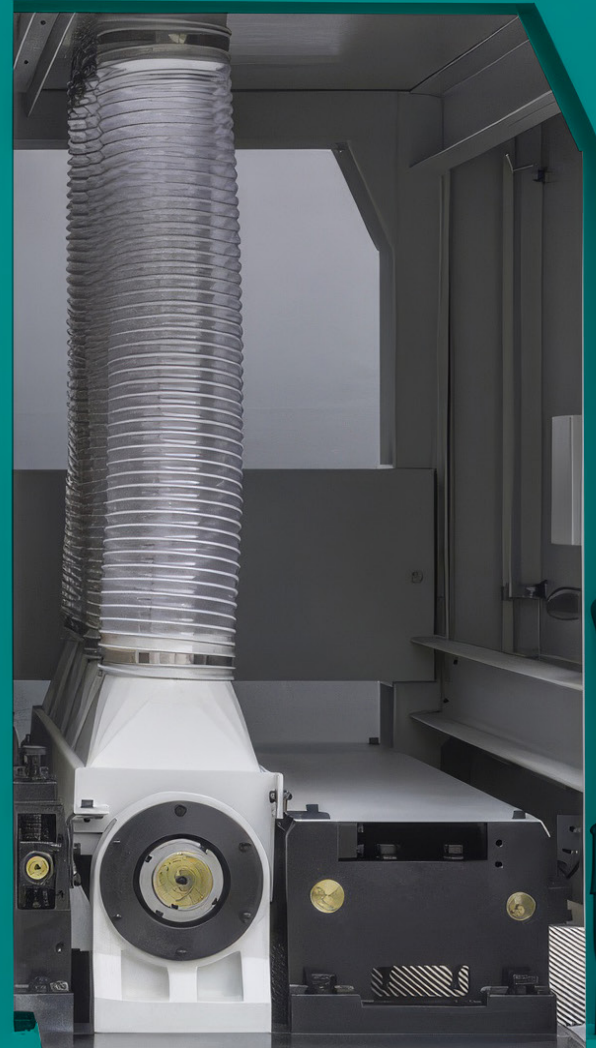
Backed by over 30 years of woodworking machinery expertise, our solutions are designed and configured to deliver consistent results and maximize efficiency. The end result is higher throughput, reduced rework, and stronger margins—putting more money back into your business.

**Built for Quality. Engineered for ROI.**

[bossmachines.com](http://bossmachines.com)

## Key features and applications

The planer sander is engineered for efficient one-pass calibration and surface finishing of solid wood, MDF, veneer, and engineered panels. Designed to remove material accurately while delivering a smooth, consistent finish, it combines heavy-duty planing capability with precision sanding in a single operation.



### Finish sanding unit

The combination finishing unit delivers the final surface refinement, producing a smooth, uniform, high-quality finish ready for coating or assembly. Offering superior versatility, the unit can be easily configured to sand with the drum for heavy stock removal, the platen for fine finishing, or both simultaneously—allowing optimized finish quality for a wide range of materials and applications.

### First sanding unit

The first sanding unit features a large 240 mm (9.4") steel drum designed for heavy stock removal and accurate dimensioning. Its dynamically balanced construction reduces vibration, ensuring maximum stability, consistent contact across the full working width, and precise, repeatable sanding results.

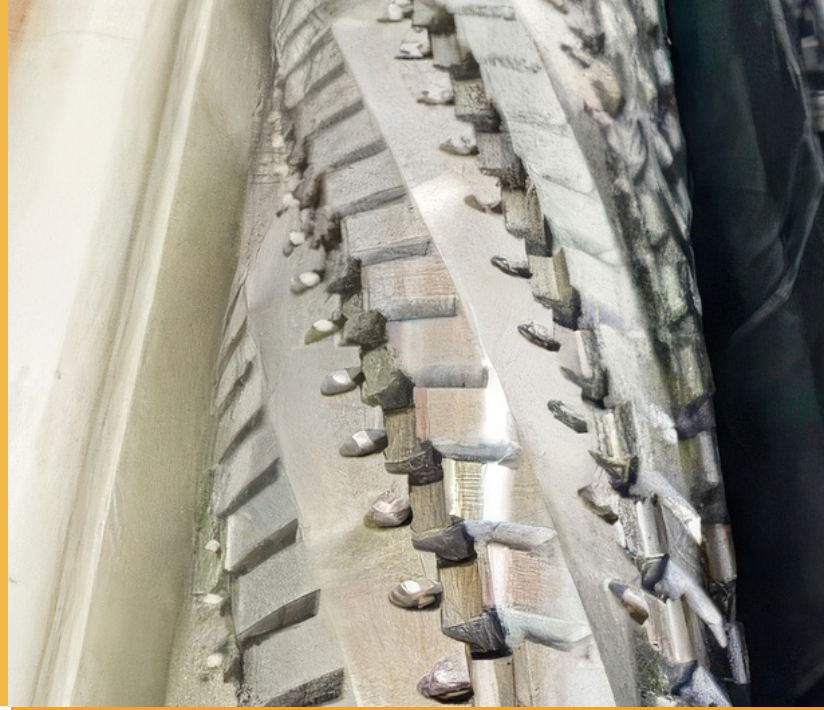
### Planer Unit

A robust pressure system incorporating segmented chip breakers, double press rollers, and anti-kickback fingers ensures safe, stable feeding and precise material handling throughout the process.



## Precision spiral planer head for high surface quality

The planer head is fitted with 477 carbide knife inserts arranged in a 9-line spiral configuration around the head. This spiral layout ensures continuous cutting engagement and smooth material removal across the full working width. Each carbide insert features a small spiral angle and a carefully engineered arc profile that matches the contour of the roller. This reduces cutting resistance, improves chip evacuation, and delivers an exceptionally smooth, high-quality surface finish.

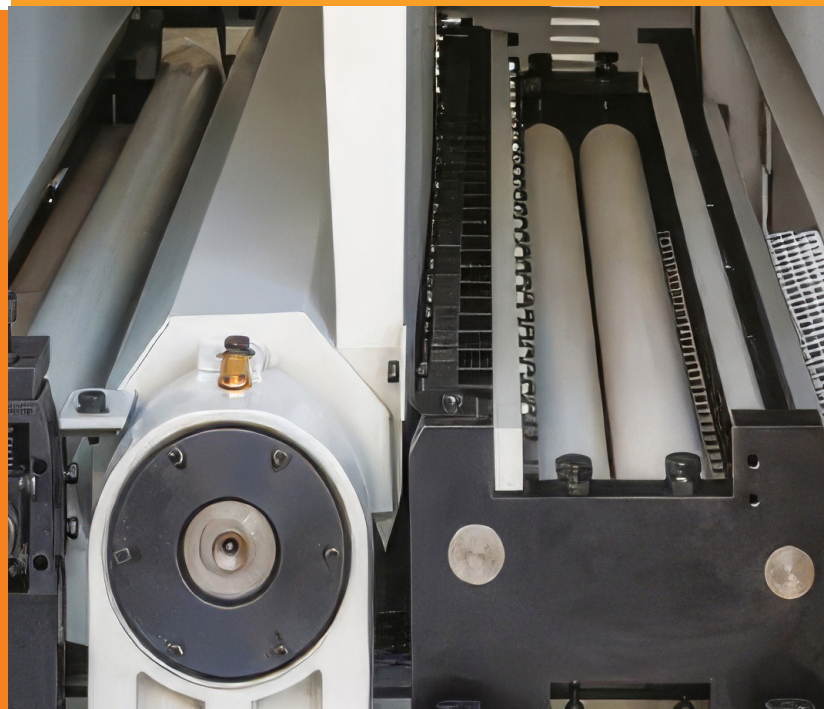


## ABB IE3 Motors drive down energy costs and carbon footprint

ABB IE3 Premium Efficiency Motors maximizes operational uptime, reduces electricity overhead, and ensures consistent torque for a flawless finish. Featuring robust IP55 dust protection and Class F insulation, these motors are engineered to handle continuous sanding loads while slashing energy costs.

## Integrated Safety & Feed Mechanisms

The GOBI Planer Sander features robust safety mechanisms situated before and after the working units. To guarantee smooth and secure feeding, the infeed zone is equipped with anti-kickback fingers, directional press rollers, and segmented press shoes.





## Precision-Engineered Steel Feed Table

Built for long-term industrial durability, the heavy-duty steel feed table is fully through-heat-treated to eliminate internal material stress. It features an exceptional planarity tolerance within 0.03mm, ensuring a perfectly flat reference surface. Additionally, the table surface is fine-ground to a mirror finish, preventing friction and premature wear on the internal side of the conveyor belt.



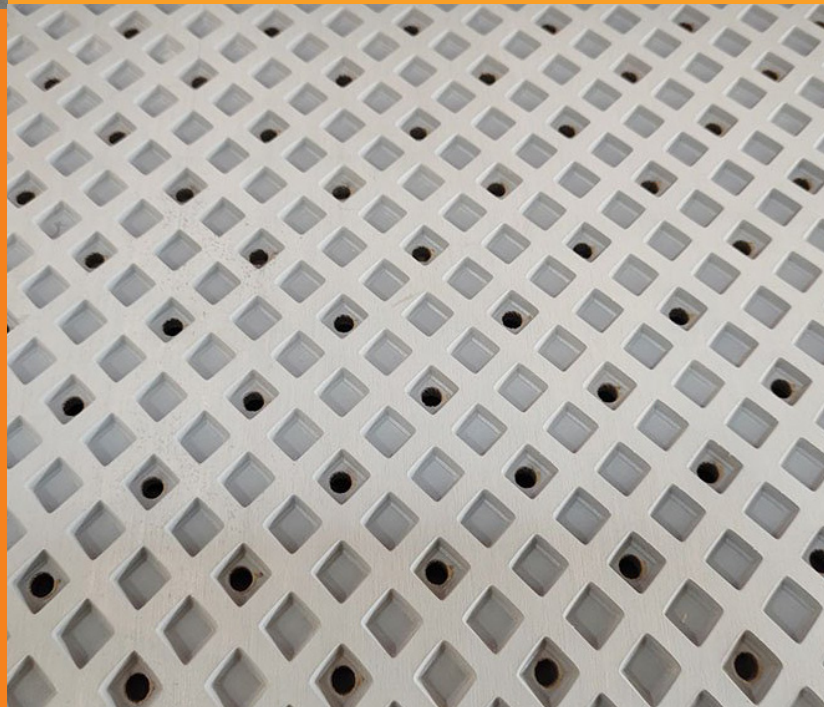
## High-Efficiency Integrated Drive

SystemExperience unmatched operational stability with our helical bevel gear reducer, seamlessly integrated with a high-performance inverter motor. This space-saving, heavy-duty powertrain delivers continuous, ultra-smooth torque transfer. Engineered for industrial endurance, it eliminates vibrations to provide steady speed regulation and long-term durability.



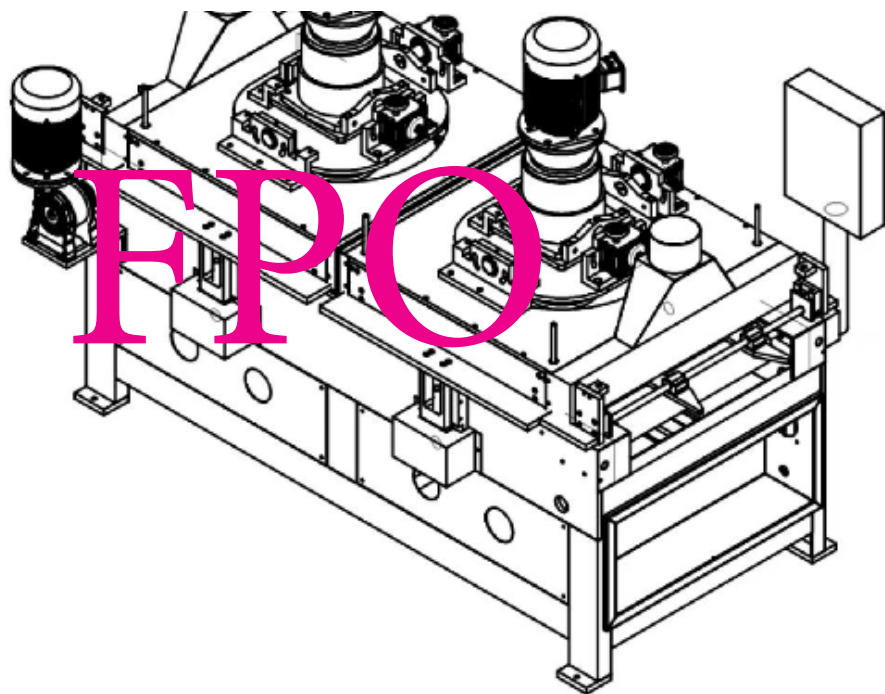
## GripMax™ Conveyor Technology

A high-friction industrial conveyor belt system that securely controls workpieces through the sanding zone, reducing slippage, improving finish consistency, and providing exceptional belt longevity in multi-shift production environments.





# Sander layout and dimesnions



## Technical Specifications

|                                 |                  |                         |
|---------------------------------|------------------|-------------------------|
| Working width:                  | 50–1300 mm       | (1.97–51.18 in)         |
| Working thickness:              | 6.5–150 mm       | (0.26–5.91 in)          |
| Min working length:             | 515 mm           | (20.28 in)              |
| Planer knife size:              | 30 × 12 × 2.5 mm | (1.18 × 0.47 × 0.10 in) |
| First sanding roller diameter:  | 240 mm           | (9.45 in)               |
| Second sanding roller diameter: | 210 mm           | (8.27 in)               |
| Planer roller diameter:         | 180 mm           | (7.09 in)               |
| Planer RPM:                     | 2940 rpm         |                         |
| First belt speed:               | 24 m/s           | (4724 ft/min)           |
| Second belt speed:              | 18 m/s           | (3543 ft/min)           |
| Feeding speed:                  | 0–19 m/min       | (0–62.3 ft/min)         |
| Abrasive belt size:             | 1330 × 2200 mm   | (52.36 × 86.61 in)      |
| Feeding belt size:              | 1300 × 4840 mm   | (51.18 × 190.55 in)     |
| Total motor power:              | 63.62 kW         | (85.3 HP)               |
| Planer motor power:             | 22 kW            | (29.5 HP)               |
| First belt motor power:         | 22 kW            | (29.5 HP)               |
| Second belt motor power:        | 15 kW            | (20.1 HP)               |
| Feeding motor power:            | 4 kW             | (5.4 HP)                |
| Rise/decline motor power:       | 0.37 kW          | (0.5 HP)                |
| Brush motor power:              | 0.25 kW          | (0.34 HP)               |
| Air jet blower motor:           | 0.025 kW         | (0.03 HP)               |
| Working pressure:               | 0.4–0.8 MPa      | (58–116 PSI)            |
| Weight:                         | approx. 5100 kg  | (11,243 lb)             |



## 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

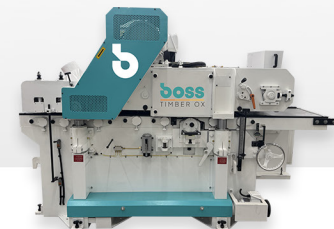
High-precision profiling, heavy-duty production, and intelligent automated setup in solid wood and engineered components.



## 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

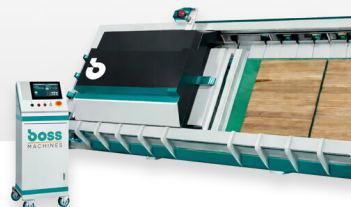
High-efficiency two-face surfacing, precision thicknessing, and industrial timber preparation in solid wood production.



## 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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