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- Extra wide cutting capacity
- Maximum convenience of set up
- Heavy duty quality

**GL**  
series

Smooth Performance in Action  
4 Side Planer & Moulder



Product Service

# GL SERIES

The GL series moulder is specially designed for heavy-duty cutting and wide planing, enhancing production efficiency. Its robust and precision-engineered design makes it ideal for producing beams for wooden houses, ensuring complete vibration elimination and smooth wood finishes.

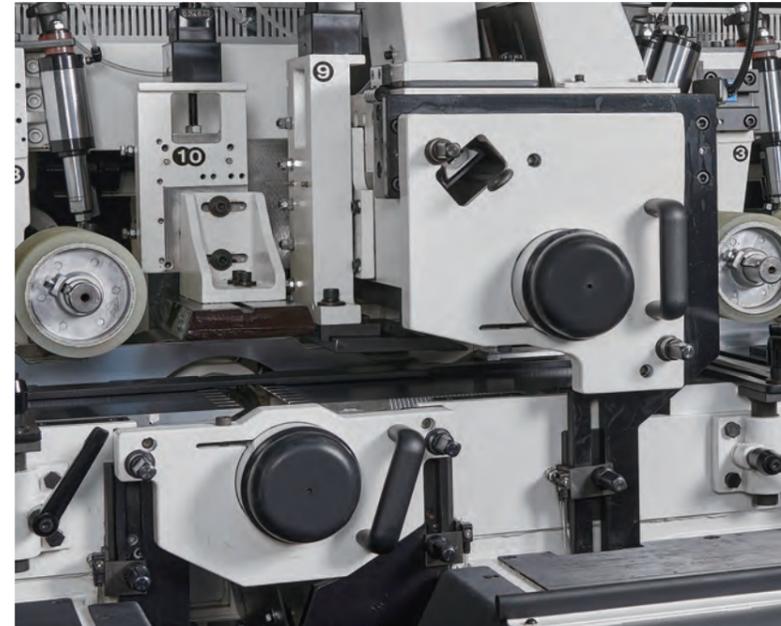
The moulder is equipped with a dynamically balanced spindle and hydraulic support, ensuring optimal cutting stability. Additionally, the moulder can be fitted with optional straight and profile jointers. Along with computerized position control, these features collectively enhance operational efficiency and cutting stability. Users have the option for a 60 or 80 m/min high-speed feed to achieve higher production outputs. For more extensive cutting requirements, the GAU JING GL series is the top choice.





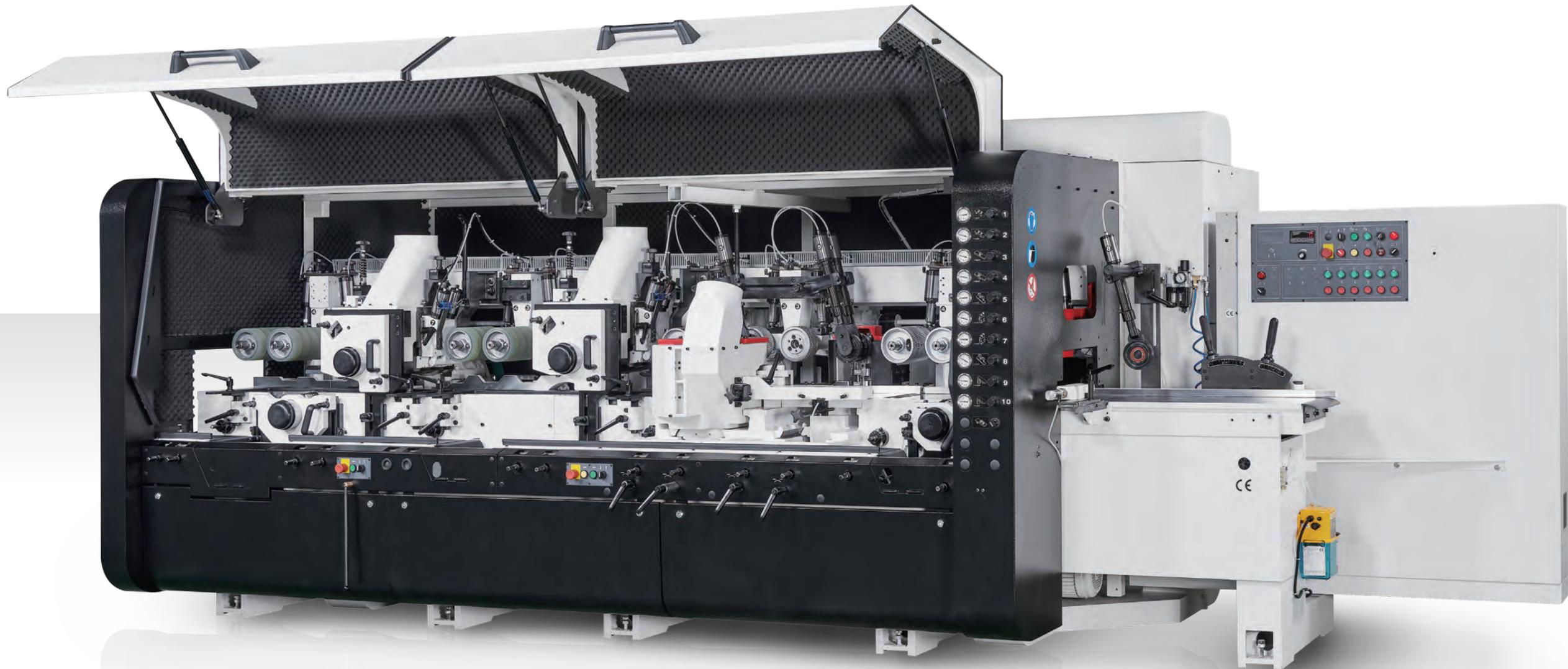
## CENTRALIZED PRESSURE ADJUSTMENT

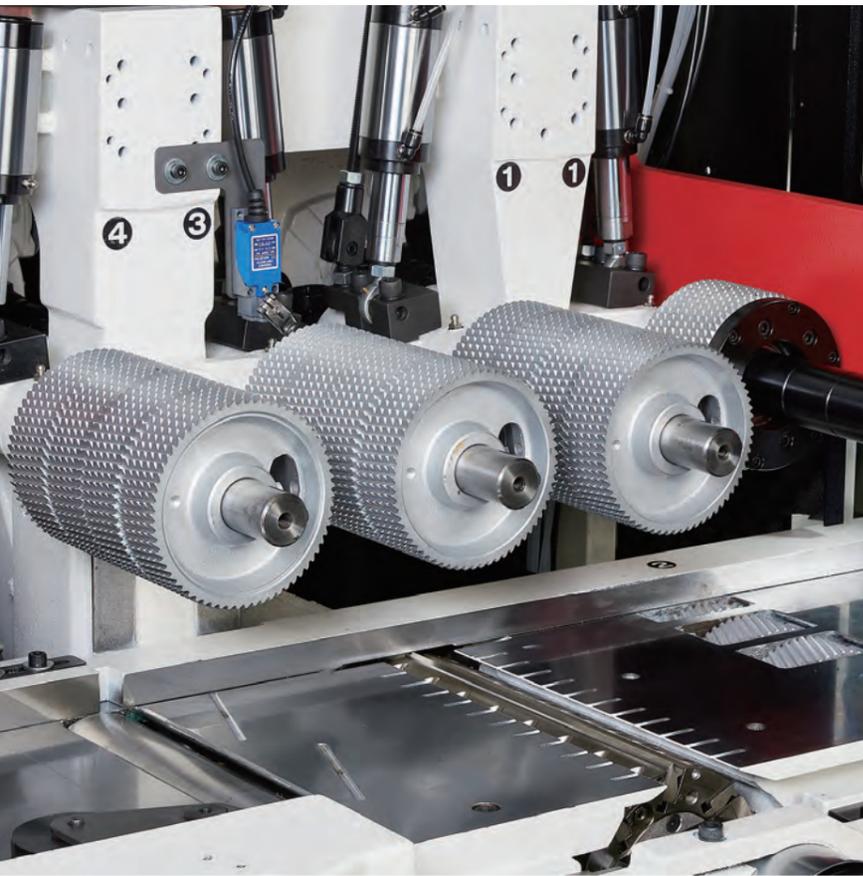
- All pressure regulations for the entire pneumatic system are centralized at the front of the machine for added convenience in pressure adjustment, and sectional pressure adjustments for all pressure rollers ensure consistent pressure.
- Clear numerical indicators are provided to correspond directly to the pneumatic mechanisms on the machine, allowing operators to make adjustments based on different processing requirements.



## HYDRAULIC OUTBOARD BEARING SUPPORT ON HORIZONTAL SPINDLE

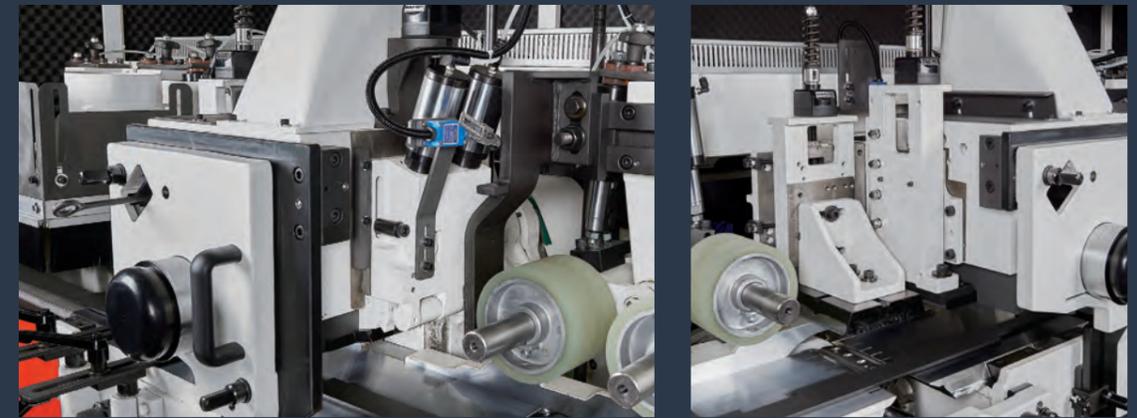
Hydraulic outboard bearing support on the top and bottom spindles assures maximum stability during high-speed cutting.





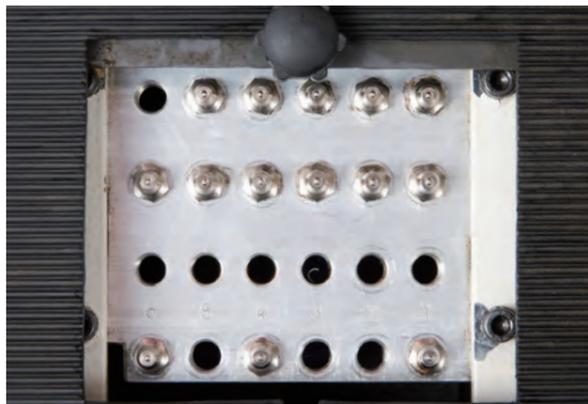
### PNEUMATIC FEEDING ROLLERS AND POWERED INFEED TABLE ROLLERS

The pneumatic feeding rollers and powered rollers in the infeed table ensure a smooth feeding performance, especially for hard-feeding stock and wood pieces.



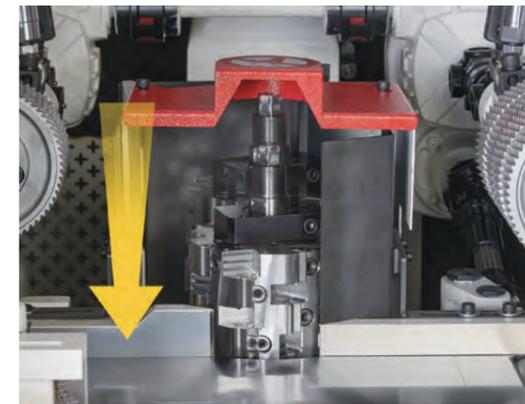
### PNEUMATIC CHIP BREAKER AND SEPARATED PRESSURE BOARDS

The pneumatic chip breaker, combined with two separated pressure boards, offers robust support for wood pieces. This ensures that the wood is firmly held during high-speed feeding, resulting in excellent cutting performance. The unique placement of the separated pressure boards above the bottom spindle allows optimal control and guidance of the workpiece, achieving smoothness and laying the foundation for superior surface quality. Both the pneumatic chip breaker and the separated pressure boards are adjustable.



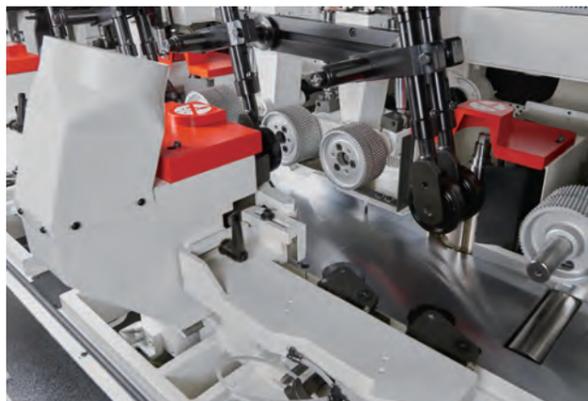
### CENTRALIZED LUBRICATION

The spindles and moving parts are lubricated by the centralized lubrication system for convenience.



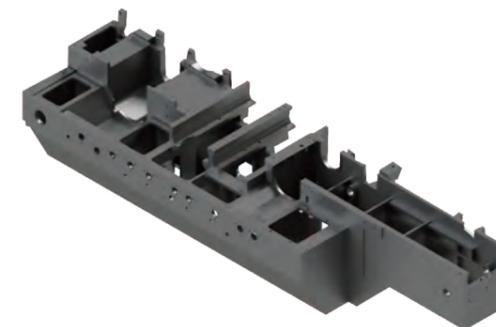
### VERTICAL SPINDLE AXIAL ADJUSTMENT UP TO 60MM

It allows fitting several tools on the vertical spindle, eliminating troublesome cutter change. The 80mm spindle adjustment provides full utilization for a single cutter.



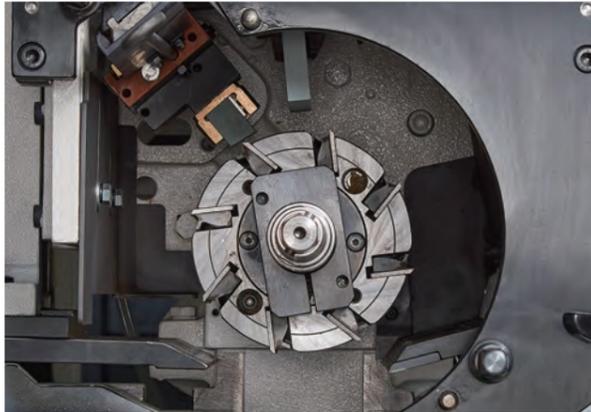
### PNEUMATIC SIDE PRESSURE ROLLERS BEFORE LEFT SPINDLE

The side pressure roller before the left vertical spindle with pneumatic cylinders provides stable wood pieces support. It eliminates unsmooth problems when feeding short or narrow material.



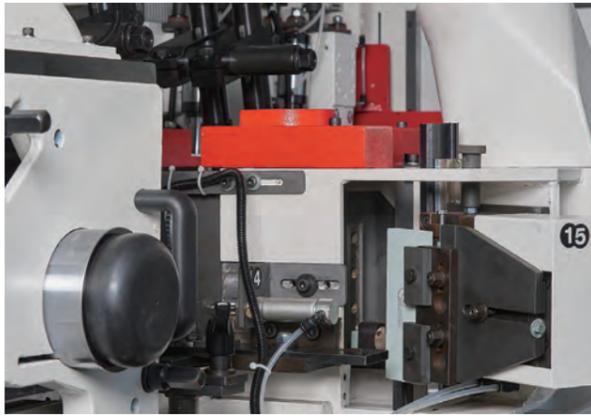
### EXCEPTIONALLY ROBUST

Standard spindle configurations utilize machine frames made of cast iron, which offer superior stability and vibration damping, high durability, excellent thermal stability, rigidity, and wear resistance. These features contribute to exceptional machine performance and long-lasting durability.



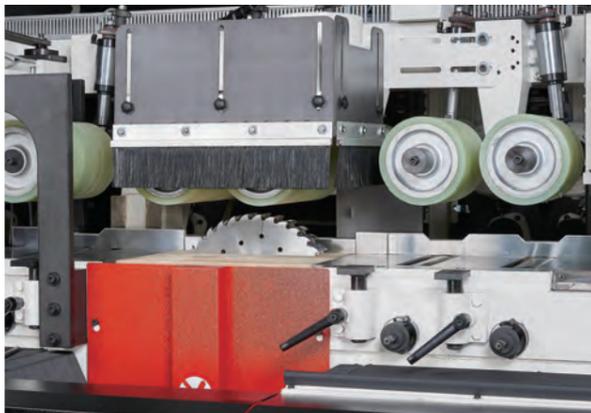
**STRAIGHT JOINTER (OPTIONAL)**

The straight jointer technology offers impeccable surface precision and production quality, ensuring all knives on the cutter head are brought to the same cutting circle. The jointer stone feeds automatically, enhancing the convenience of the jointer operation.



**PROFILE JOINTER (OPTIONAL)**

Thanks to its user-friendly design, the fully automated profile jointer can be activated with a single button on the machine for convenient operation. Seamlessly integrated into the moulder, it ensures a consistent cutting circle for all knives, guaranteeing repeatable profile precision and exceptional surface quality.



**SAWING UNIT AT LAST BOTTOM (OPTIONAL)**

A saw blade unit can be optionally equipped on the last spindle, with available saw blade sizes ranging from  $\Phi 255\text{mm}$  to  $\Phi 455\text{mm}$ .



**ANTI-KICKBACK (OPTIONAL)**

The anti-kickback device at the feed inlet not only ensures safe machine operation but also effectively prevents wood from being ejected during the sawing process, keeping it securely contained within the machine and further enhancing safety.



**UNIVERSAL SPINDLE (OPTIONAL)**

Besides the standard spindle configurations, an optional universal spindle can be attached at the end of each spindle configuration, offering 330° rotation for precise positioning where needed. Ideal for molding manufacturers and customers with varying applications.



**ATS AUTOMATIC POSITIONING SYSTEM (OPTIONAL)**

- 15" HMI (1000 memory sets)
- Servo motor positioning
- Feed speed controlled by inverter
- Easy to use control panel
- Width / thickness quickly set up
- Tools management system

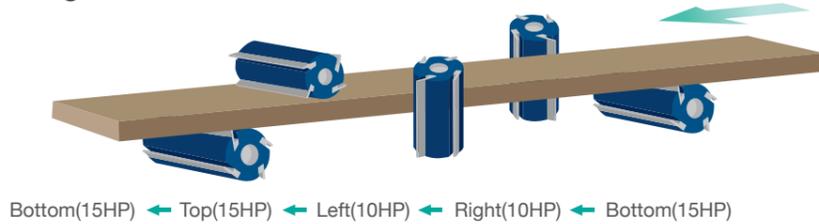
GAU JING provides an optimal control solution for every application: the ATS control systems, propelled by PLC and servo motors. A user-friendly 15" touch screen allows for effortless operation.

Whether you're performing basic four-sided planing or more intricate profiling, all these operations are attainable using the ATS control system. What's more, it accommodates up to 1000 different profile configurations.

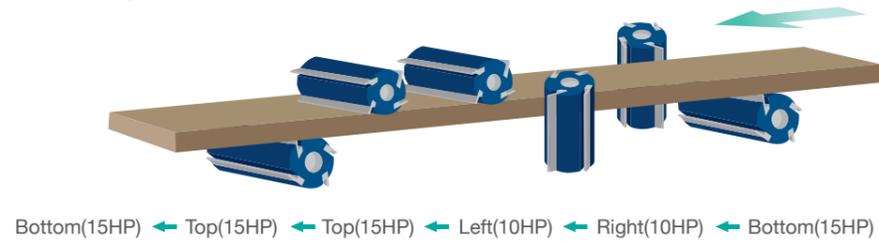
The feed speed is expertly controlled via an inverter, offering precise speed management.

## SPINDLE ARRANGEMENT

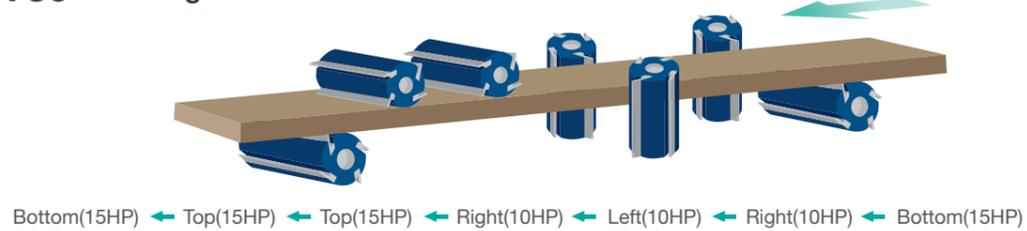
### ◆ GL-530 Feeding motor: 10HP Elevation motor: 1HP



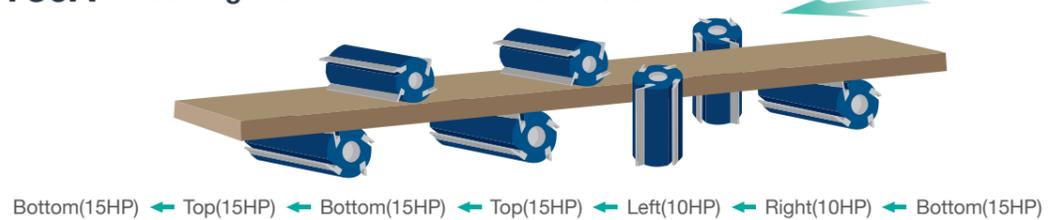
### ◆ GL-630 Feeding motor: 10HP Elevation motor: 1HP



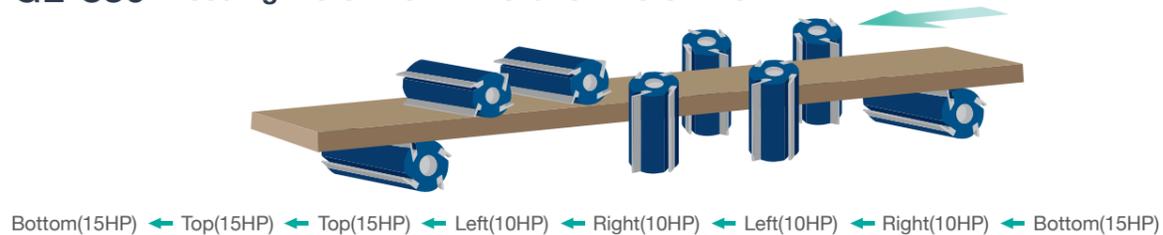
### ◆ GL-730 Feeding motor: 10HP Elevation motor: 1HP



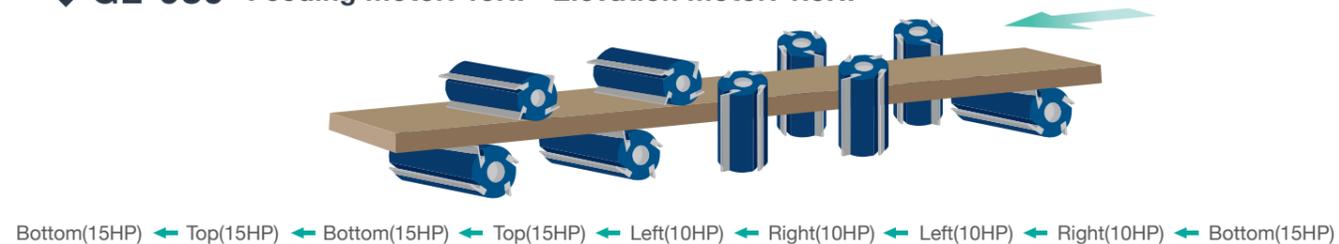
### ◆ GL-730A Feeding motor: 10HP Elevation motor: 1HP



### ◆ GL-830 Feeding motor: 15HP Elevation motor: 1.5HP



### ◆ GL-930 Feeding motor: 15HP Elevation motor: 1.5HP



## GL SERIES

MODEL	GL-530	GL-630	GL-730	GL-830	GL-930
<b>CAPACITY</b>					
Planing width	10-300MM	10-300MM	10-300MM	10-300MM	10-300MM
Planing thickness	7-160MM	7-160MM	7-160MM	7-160MM	7-160MM
Feeding speed (Inverter)	6-40M/MIN	6-40M/MIN	6-40M/MIN	6-40M/MIN	6-40M/MIN
Min. working length	230MM	230MM	230MM	230MM	230MM
<b>SPINDLE</b>					
Spindle speed	6000RPM	6000RPM	6000RPM	6000RPM	6000RPM
Spindle diameter	Φ50MM	Φ50MM	Φ50MM	Φ50MM	Φ50MM
Vertical spindle adjustment (axial)	60MM	60MM	60MM	60MM	60MM
Horizontal spindle adjustment (axial)	35MM	35MM	35MM	35MM	35MM
<b>CUTTER DIAMETER</b>					
1st bottom spindle	Φ110-180MM	Φ110-180MM	Φ110-180MM	Φ110-180MM	Φ110-180MM
Vertical spindle	Φ110-250MM	Φ110-250MM	Φ110-250MM	Φ110-250MM	Φ110-250MM
Top spindle	Φ110-250MM	Φ110-250MM	Φ110-250MM	Φ110-250MM	Φ110-250MM
Last bottom spindle	Φ110-305MM	Φ110-305MM	Φ110-305MM	Φ110-305MM	Φ110-305MM
<b>MOTOR</b>					
1st bottom spindle	15HP	15HP	15HP	15HP	15HP
Vertical spindle	10HP	10HP	10HP	10HP	10HP
1st top spindle	15HP	15HP	15HP	15HP	15HP
2nd top spindle	-	15HP	15HP	15HP	15HP
Last bottom spindle	15HP	15HP	15HP	15HP	15HP
Feeding motor (Inverter)	10HP	10HP	10HP	15HP	15HP
Elevation motor	1HP	1HP	1HP	1.5HP	1.5HP
<b>OTHERS</b>					
Table adjustment	12MM	12MM	12MM	12MM	12MM
Infeed table length	1800MM	1800MM	1800MM	1800MM	1800MM
Machine dimensions (LxWxH)	4330x2080x1890MM	5660x2080x1890MM	6210x2080x1890MM	6600x2080x1890MM	6600x2080x1890MM
Packing dimensions (LxWxH)	4600x2280x2050MM	5900x2280x2050MM	6400x2280x2050MM	6900x2280x2050MM	6900x2280x2050MM
Net weight	7600KGS	8600KGS	9800KGS	11000KGS	12500KGS
Gross weight	8500KGS	9500KGS	10800KGS	12000KGS	13500KGS

\*SPECIFICATIONS AND DESIGN CHARACTERISTICS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

#### OPTIONAL EQUIPMENTS:

- AUTOMATIC FEEDING MAGAZINE
- DIGITAL POSITIONING CONTROLLER
- GROOVE GUIDE TABLE
- CE CERTIFICATION
- SPINDLE DIAMETER 40MM, 1-13/16", 2-1/8"
- ATS SYSTEM
- EXTEND INFEEED TABLE LENGTH
- UNIVERSAL SPINDLE
- FEED SPEED 6-60M/MIN, 8-80M/MIN, 10-100M/MIN
- SPINDLE, FEEDING MOTOR INCREASE
- INFEEED UPPER PRESSURE ROLLER, AIR PRESSURE
- STRAIGHT JOINTER
- PROFILE JOINTER
- CONTROL PANEL SEPARATE FROM ELECTRIC BOX
- ELECTRIC BOX SEPARATE FROM MACHINE BODY
- CORNER CHAMFER UNIT, ROLLER TYPE
- HSK (POWER LOCK SYSTEM)