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- Standard Models.
- For General Applications.
- Moderately Priced.

# GN series

Smooth Performance in Action  
4 Side Planer & Moulder



Product Service

# GN SERIES

In the demanding world of woodworking and profile moulding, the GN series 4-side planer & moulder from GAU JING is the embodiment of precision and productivity, regardless of the complexity of your design requirements or the scale of production. This robust series, with its cast-iron construction, has been meticulously engineered to cater to the industry's medium-tier production needs without compromising on superior surface finishing. It integrates a variety of high-grade features including high-precision spindles for an extraordinarily refined surface effect and centralized systems for air pressure regulation and lubrication that enhance operational convenience.

The GN series, adhering to GAU JING's tradition of manufacturing excellence, offers flexibility with multiple spindle configurations that can be tailored to your specific moulding tasks. Ideal for small to midsize production runs, the GN series streamlines operations, optimizes performance, and minimizes waste, thereby ensuring profitable production. If your objective is to find a product in the woodworking industry that perfectly balances quality with cost-effectiveness, the GAU JING moulder emerges as the unrivaled choice.





## CENTRALIZED PRESSURE REGULATION

- All pressure regulations for the entire pneumatic system are centralized at the front of the machine for added convenience for pressure regulations.
- Sectional pressure adjustments for all pressure rollers ensure consistent pressure.



## POWERED INFEED TABLE ROLLER

The rollers in the infeed table are powered and provide a smooth feeding effect for hard-feeding stock.

## SIDE PRESSURE ROLLERS BEFORE LEFT SPINDLE

It fully eliminates unsmooth problems when feeding short or narrow woodpiece. The pressure plate is easy to adjust.

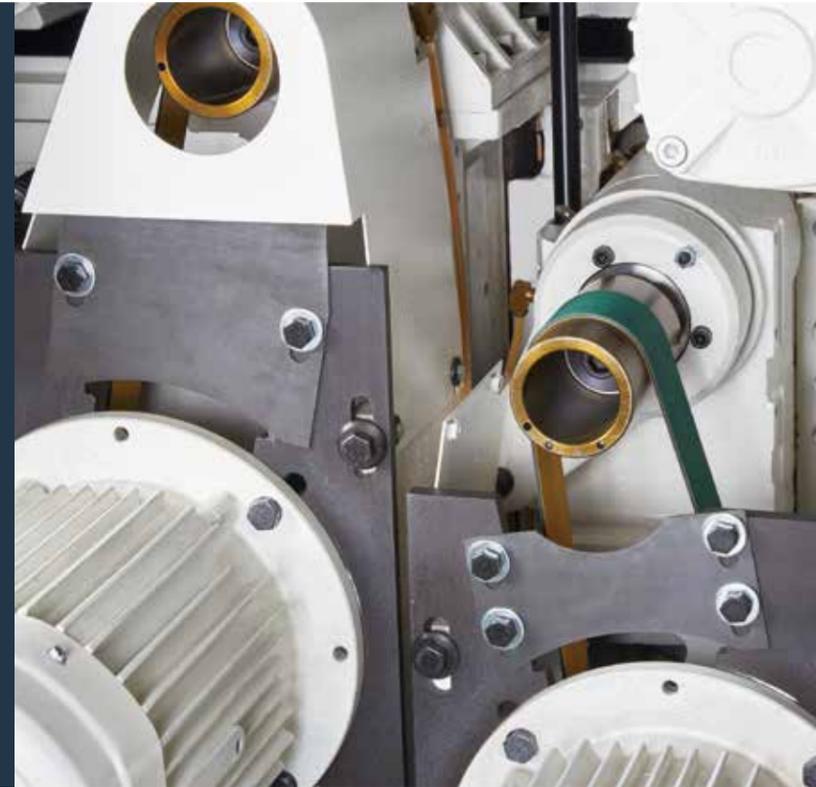
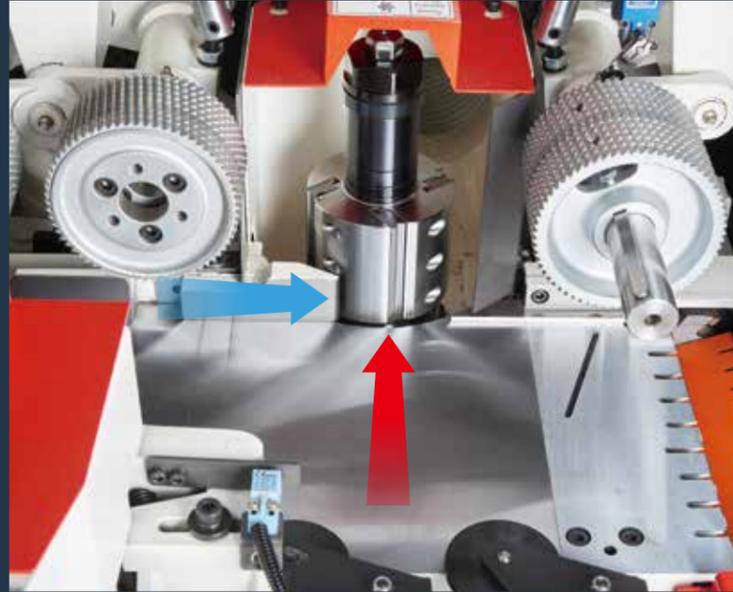


## VERTICAL SPINDLE AXIAL ADJUSTMENT UP TO 80MM

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

### ADJUSTABLE FENCE LIP AND TABLE OPPOSITE TO RIGHT SPINDLE

The fence lip after the right vertical spindle can be conveniently adjusted, while the small gap around it improves the surface quality of the workpiece. Additionally, the adjustable table opposite the right vertical spindle provides a perfect surface quality due to the small gap between the table and the right spindle.



### SEPARATED MOTOR AND SPINDLE

Separate mounting of motor and spindle eliminates spindle vibration. Fitted with a high speed belt for power transmission, this configuration enables a smooth moulding effect and reduces tolerance, thereby increasing precision during heavy cutting.



### CHIP BREAKER AND PRESSURE BOARD

The sturdy and adjustable chip breaker along with the rear pressure board ensure that the wood is securely fastened to the worktable, enabling precise cutting by the top spindle. Meanwhile, the robust rear pressure board firmly holds the wood in place, ensuring impeccable accuracy for the bottom spindle cutting.

### CENTRALIZED LUBRICATION

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

### 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.



### 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 moulding manufacturers and customers with varying applications.



### AUTOMATIC FEEDER (OPTIONAL)

This automatic feeding machine utilizes small holes on the conveyor belt and a suction system to stably adhere wood, achieving efficient transportation while reducing manpower needs.



### PRO-LOCK (OPTIONAL)

The Prolock tool holding system offers rapid and straightforward tool replacement, while also enhancing safety. It allows for time saving, boosts production efficiency, and ensures secure tool fixation.

### HSK (POWERLOCK SYSTEM) (OPTIONAL)

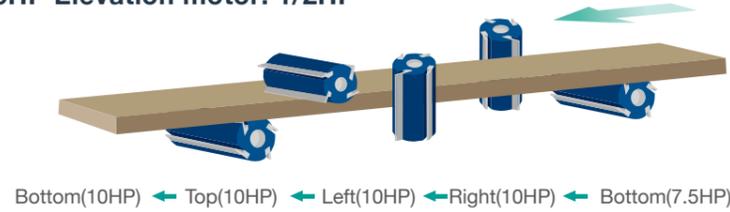
The excellent POWERLOCK system offers high precision, rigidity, quick tool change, versatile application, and exceptional balance. The POWERLOCK system not only delivers perfect surface quality but also allows for adjustable speeds ranging from 6000 to 12000 RPM to accommodate various machining applications. This versatility makes the POWERLOCK system an ideal choice for modern woodworking needs.



## SPINDLE ARRANGEMENT

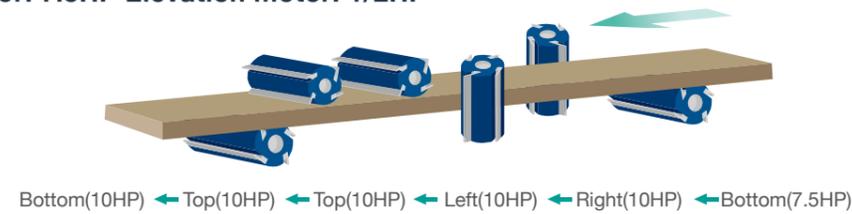
### ◆ GN-5S23

Feed motor: 5HP·Elevation motor: 1/2HP



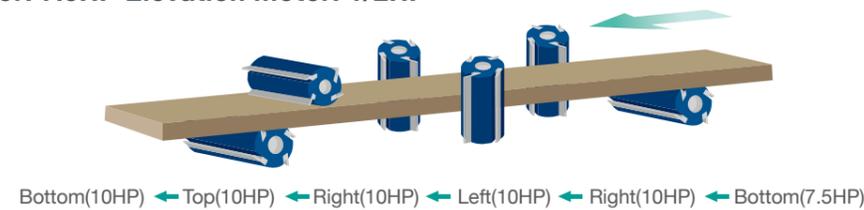
### ◆ GN-6S23

Feed motor: 7.5HP·Elevation motor: 1/2HP



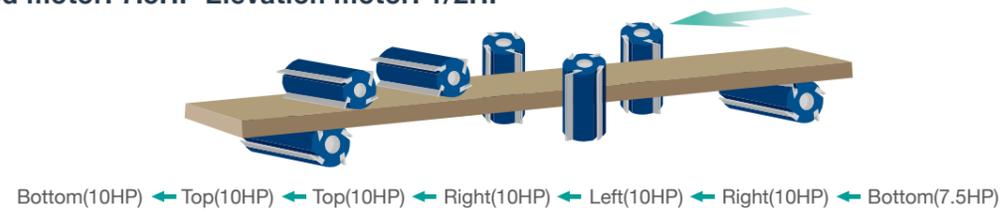
### ◆ GN-6S23A

Feed motor: 7.5HP·Elevation motor: 1/2HP



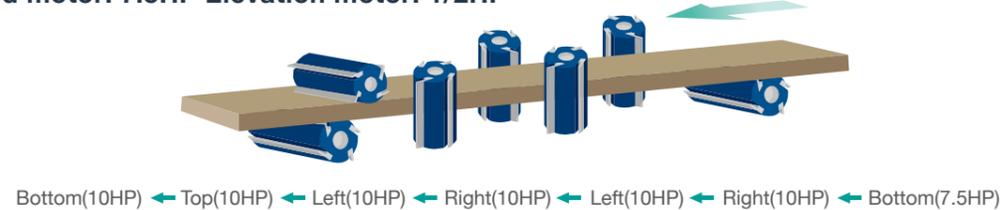
### ◆ GN-7S23

Feed motor: 7.5HP·Elevation motor: 1/2HP



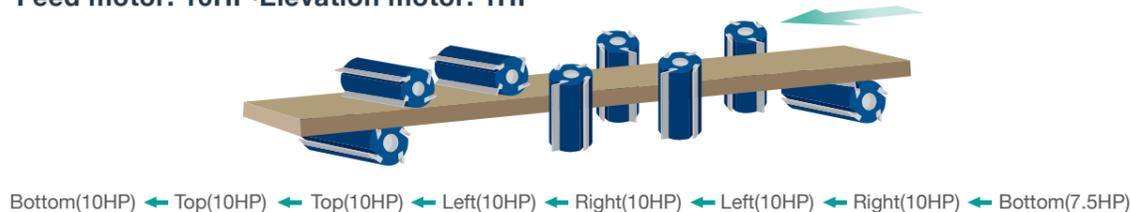
### ◆ GN-7S23A

Feed motor: 7.5HP·Elevation motor: 1/2HP



### ◆ GN-8S23

Feed motor: 10HP·Elevation motor: 1HP



## GN SERIES

MODEL	GN-4S23	GN-5S23	GN-6S23	GN-6S23A	GN-7S23	GN-7S23A	GN-8S23
<b>CAPACITY</b>							
Planing width	10-230MM						
Planing thickness	7-160MM						
Feeding speed (Inverter)	6-40M/MIN						
Min. working length	230MM						
<b>SPINDLE</b>							
Spindle speed	6000RPM						
Spindle diameter	Φ40MM						
Vertical spindle adjustment (axial)	80MM						
Horizontal spindle adjustment (axial)	20MM						
<b>CUTTER DIAMETER</b>							
1st bottom spindle	Φ125-160MM						
Vertical spindle	Φ100-180MM						
Top spindle	Φ100-200MM						
Last bottom spindle	Φ100-250MM						
<b>MOTOR</b>							
1st bottom spindle	7.5HP						
Vertical spindle	10HP						
Top spindle	10HP						
Last bottom spindle	10HP						
Feeding motor (Inverter)	5HP	5HP	7.5HP	7.5HP	7.5HP	7.5HP	10HP
Elevation motor	1/2HP	1/2HP	1/2HP	1/2HP	1/2HP	1/2HP	1HP
<b>OTHERS</b>							
Table adjustment	12MM						
Infeed table length	1800MM						
Machine dimensions (LxWxH)	3390*1870 *1840MM	3390*1870 *1840MM	3945*1870 *1840MM	3800*1870 *1840MM	4350*1870 *1840MM	4095*1870 *1840MM	4650*1870 *1840MM
Packing dimensions (LxWxH)	3550*2080 *1965MM	3550*2080 *1965MM	4150*2080 *1965MM	4000*2080 *1965MM	4560*2080 *1965MM	4350*2080 *1965MM	4850*2080 *1965MM
Net weight	3700KGS	3900KGS	4400KGS	4200KGS	4900KGS	4700KGS	5400KGS

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

#### OPTIONAL EQUIPMENTS :

- Feed Magazine.
- Spindle digital positioning controller.
- Groove guide table.
- CE Specifications.
- Φ50mm spindle diameter.
- Spindle speed 7200 / 8000 RPM.
- ATS Automatic Positioning system.
- Extend infeed table length.
- Spindle motor increase.
- Universal spindle.