



EXTEND LIGHT MACHINERY CO., LTD.

No.7,LANE 568, ERKAN ROAD, SHUEI-MEI VILLAGE,
WAIPU DIST TAICHUNG,TAIWAN

tel: +886-4-2686-7755(rep)

fax: +886-4-2686-2266

e-mail: extendlt@ms13.hinet.net

www.wood-planer.com.tw

Surprise with Admiration
Unfolds from Here



Auto Double Surface Planer



EXTEND LIGHT MACHINERY CO., LTD. specializing in the production - a high-performance frame saw, the whole series models are equipped with an exclusive patented synchronous servo feed system, can achieve the perfect low-loss high-sawing process, the application of industrial branched out into wood furniture, wood doors, wood flooring, bamboo flooring, wooden walls

System for the ability to provide professional customized services for unique requirements.



Provide a full range of technical support to help customers improve processes and innovation through research and development, creating high profit.

Not only is the equipment provider, is the primary problem solver customers .



Auto Double Surface Planer

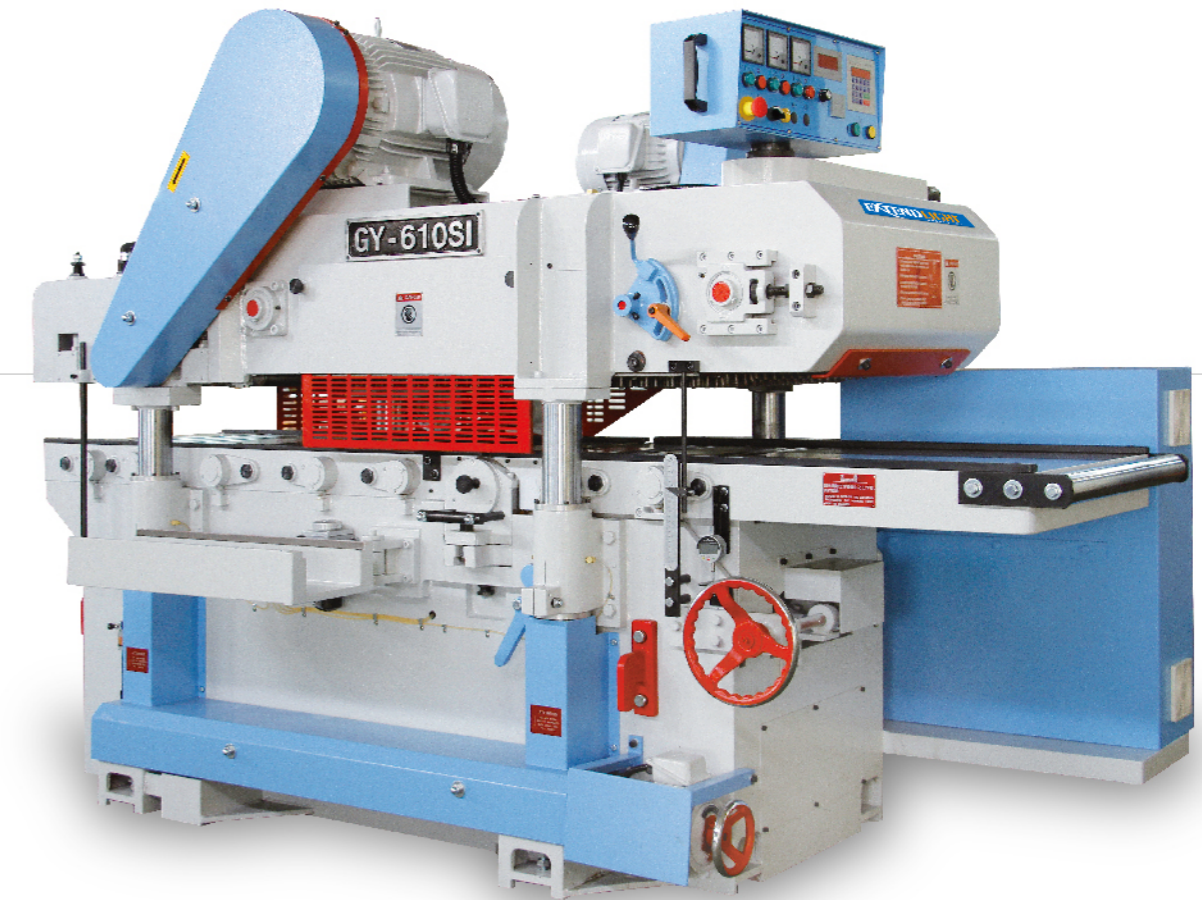
Constant attention to details, improved engineering standards, quality control, and innovative cutterhead technology have allowed the EXTEND LIGHT Industrial Double Surfer to become America's #1 selling planer.

Advanced features, high tolerances, ease of maintenance & calibration provide a surfacer that is easily cost justified by one shift operations, but rugged enough to handle the demands of higher speed three shift production lines.

Allow EXTEND LIGHT to provide your company with a detailed quotation and user reference list today,

You will be amazed at the affordability of this remarkable double surfacer lineup.

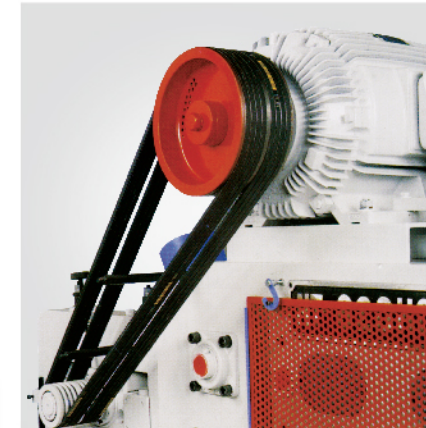
Double Surface Planers allow simple and affordable surfacing solutions to both cabinet furniture factories as well as Lumber and Dimensional Mills.



DESIGN GUIDANCE

- Rugged cast iron and plate steel fabrication provide long term dependability and low maintenance.
- Infeed conveyor/carpet(spiked) allow precision jointing accuracy especially on warped or twisted lumber.
- Computerized top cutterhead positioner is accurate $\pm 0.05\text{mm}$ ensuring quick and accurate setup.
- Cutterhead tooling technology guarantees low noise, reduced power requirements, minimal operations cost, and repetitive finish on the most difficult hardwoods.
- Feed speeds up to 8-25M/min. allow the EXTEND LIGHT double surfacer to meet high production demands. GY-610SS Feed speed 10-40M/min, GY-610ST Feed speed 10-60M/min
- Increased horsepower series surfacers provide greater capacity for stock removal while keeping finish at optimum levels.
- Patented lifting column system (synchronized transmission) guarantees repetitive setup and long-term dependability.
- Patented universal drive transmission for feed groups and infeed carpet allows a maintenance free design vs. chain and constant finish.
- Cutterheads are of solid steel construction, dynamically balanced and mated with precision pulleys.
- Cutterheads are supported by "NSK" class 7 precision ball bearings and precision housings.
- Chromed bed is standard on all EXTEND LIGHT double surfacers yielding optimum wear.
- New guards and skirts provide comprehensive operator safety.

GY-450 . 610S



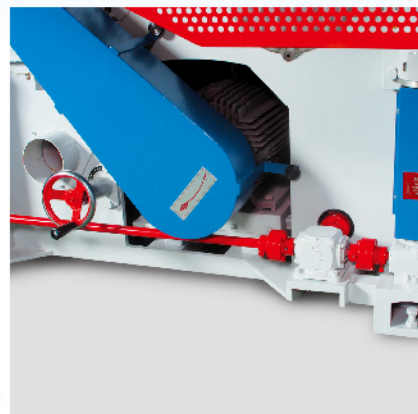
1 INDUSTRIAL PULLEY & DRIVE BELT DESIGN

All EXTEND LIGHT Industrial Double Surface cutterheads are driven by dynamically balanced pulleys and tooth style drive belts ensuring maximum power transmission and zero vibration. The 610 series calls for up to 6 "V" belts on top and (^) on bottom cutterheads. The 820/1000 series employs 8 belt to each cutterhead.



2 CENTRALIZED CONTROL PANEL WITH DIGITAL CUTTERHEAD POSITIONER

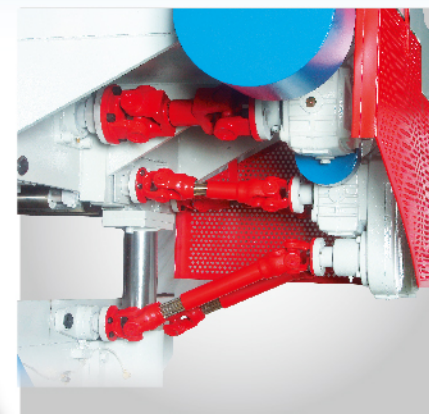
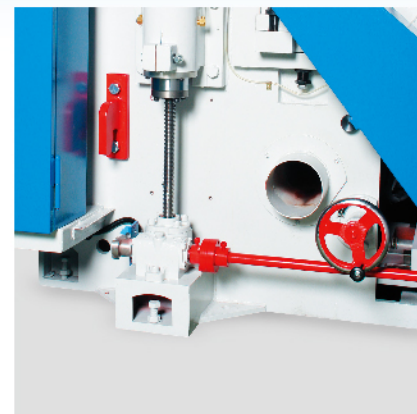
Conveniently located at the front of infeed bed. Amperage meters are standard for top & bottom cutterhead motor as well as feed motor. Amp meters for the cutterheads allow an important reference when surfacing at higher speeds with heavy stock removal. The digital positioner employs a ballscrew/encoder design provides positioning accuracy of .001" accuracy.



3

PRECISE ELEVATION

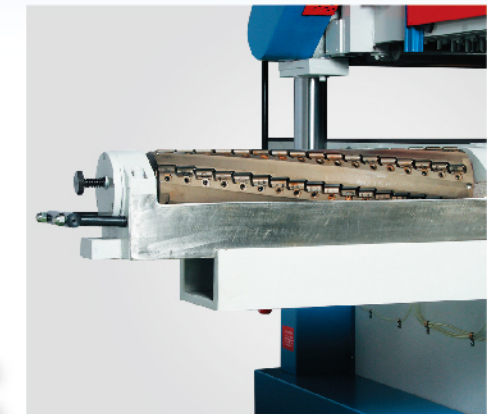
Unlike the conventional chain drive systems, this machine employs a patented synchronized transmission system along the four lifting columns. This system ensures long term parallelism of cutterheads and machine table. (Patented)



4

FLEXIBLE TRANSMISSION SHAFT

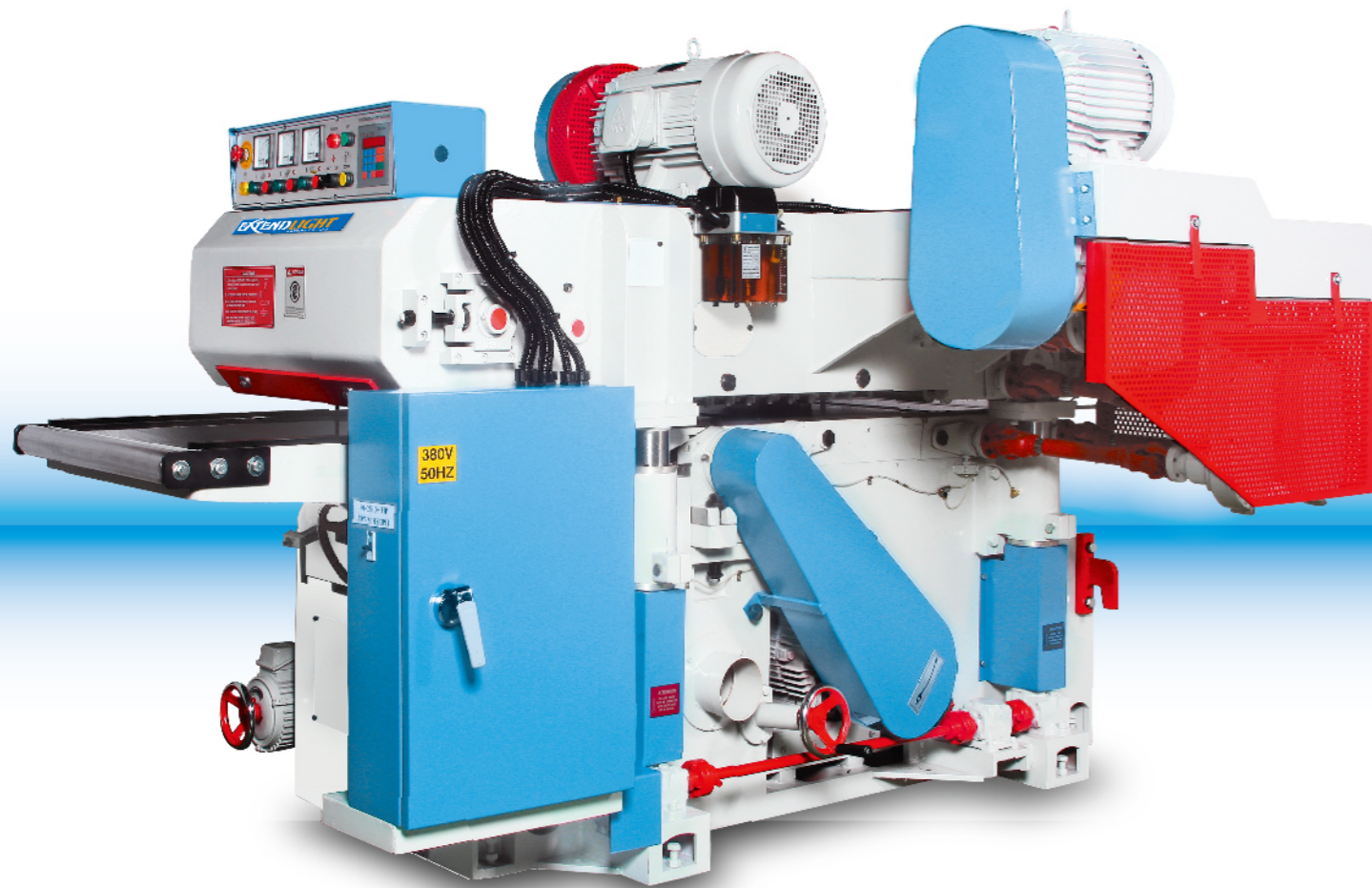
Eliminating the conventional chain or belt drive which may cause power loss or accuracy problems. The transmission system is directly by flexible shafts for high accuracy and full power transmission.



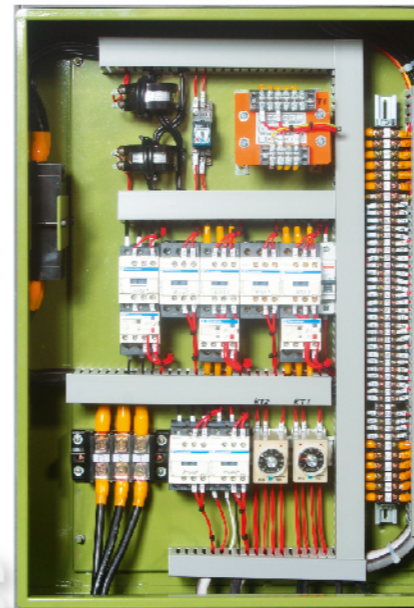
5

BOTTOM CUTTERHEAD MAINTENANCE CARRIAGE

Cutterhead carriage allows access to bottom cutterhead in 1-2 minutes. Quick access facilitates knife changing and quick change of damaged knives. Also allows bottom cutterhead bearings to be replaced in minutes.



GY-450 . 610S



6 CONTROLS CABINET

All electrical controls are neatly positioned in a remote dust proof cabinet. EXTEND LIGHT employs highest technology available in all electrical components. All components are UL approved for U.S installations. Y Delta start up allows soft start of all cutterhead and feed motors.



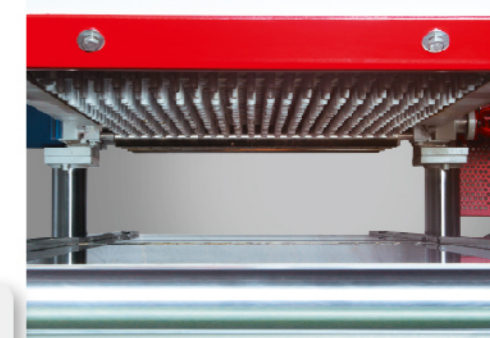
7 CAST TABLE WITH HEAVY CHROME PLATING

All EXTEND LIGHT surfacer beds are constructed of the highest grades of cast iron, heat treated, precision ground, then heavily chromed and polished. We guarantee the heaviest chrome plating of any importer. Heavy chrome plating provides incredible wear and friction free flow of materials and low wear.



8 AUTO LUBRICATION/OILERS

The conveyor system is constantly lubricated by a dependable electronic oiler ensuring maximum chain and bearing life. Oiler allows variable adjustment of volume and frequency of oil flow for all feed rates and surfacing conditions.

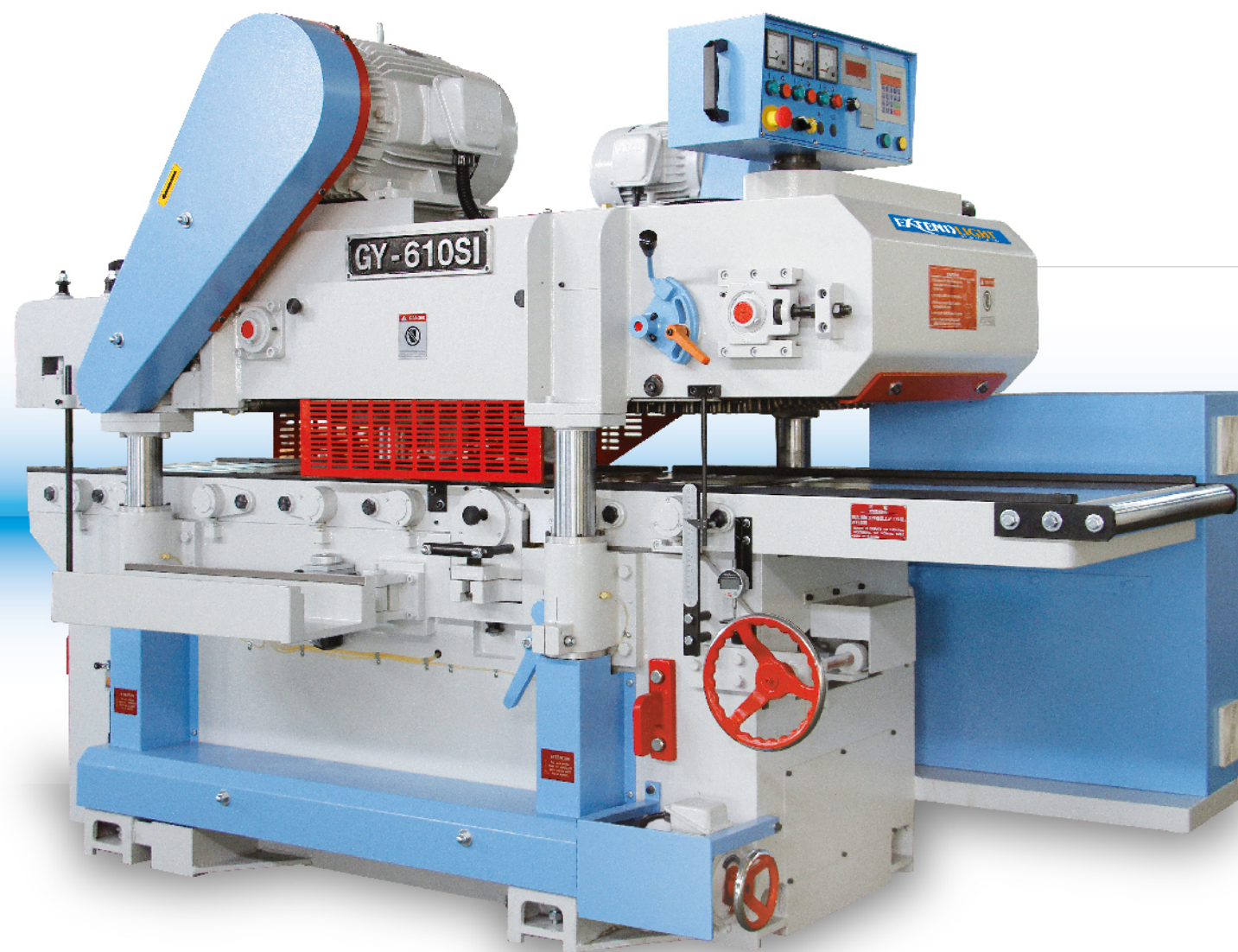


9 SPIKE CONVEYOR FOR HIGHLY CALIBRATED THICKNESS AND CONSTANT FEEDING

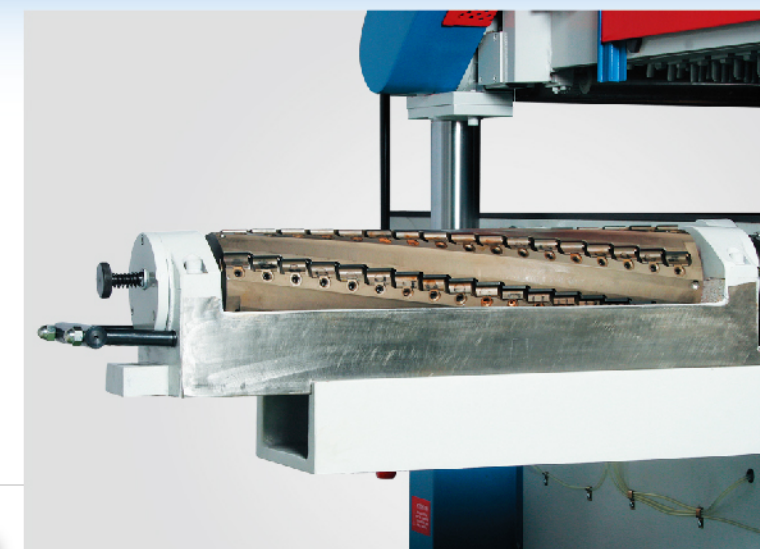
By allowing the spike/fingers to float as much as 3/4", the ultimate design in limber straightening is employed. With flat bottom surface to reference from, the top cutterhead work is guaranteed to be precisely calibrated and flat. The spikes also do an excellent job of feeding extremely rough and tapered lumber.

New Model

GY-610SI

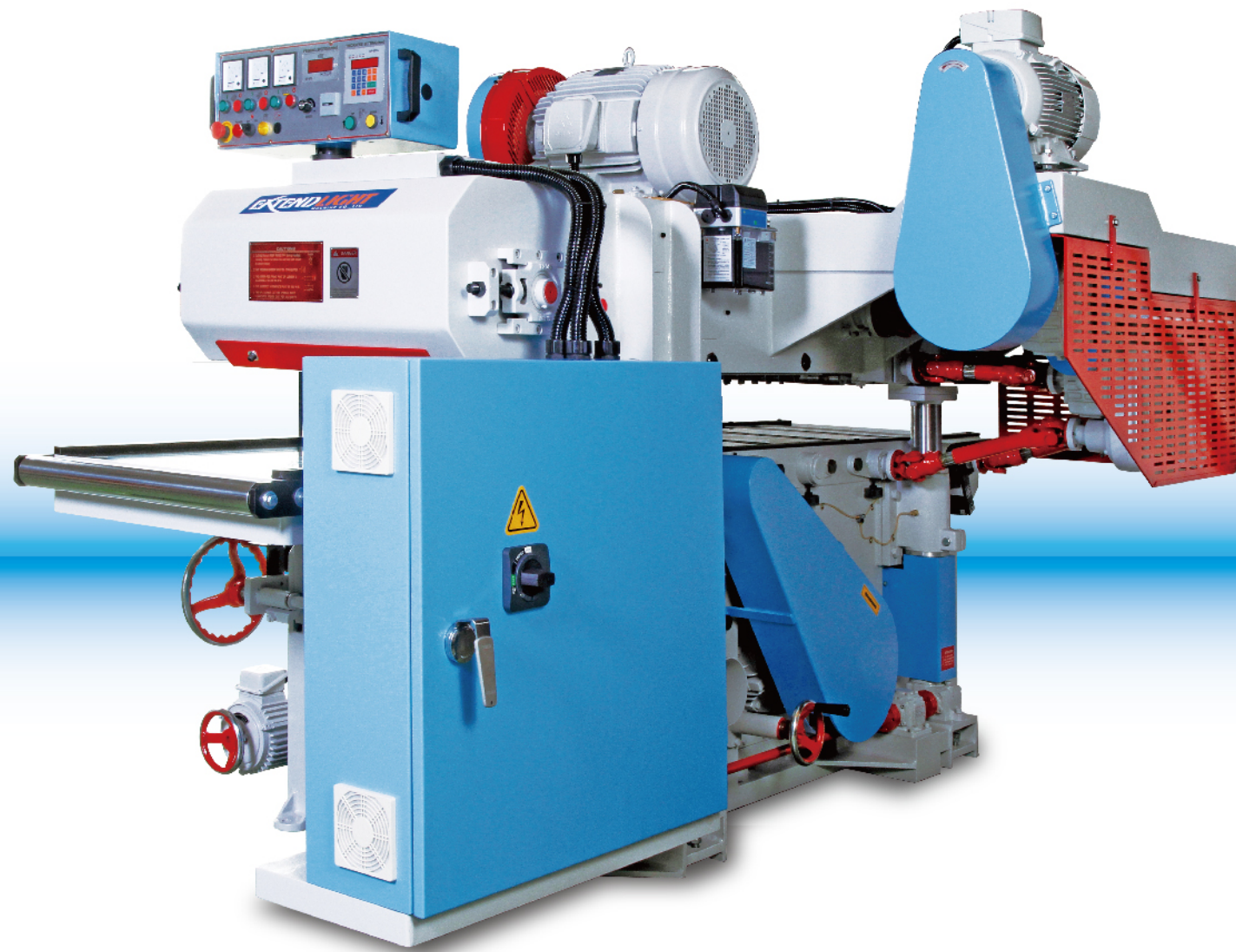


1 The working table equip 7 pieces feeding rollers for heavy duty and high feeding speed processing



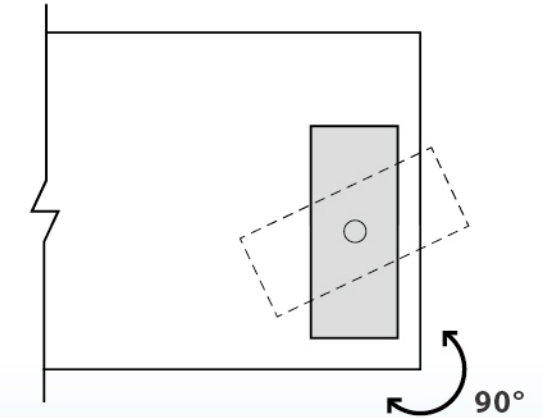
2 BOTTOM CUTTERHEAD MAINTENANCE CARRIAGE

Cutterhead carriage allows access to bottom cutterhead in 1-2 minutes. Quick access facilitates knife changing and quick change of damaged knives. Also allows bottom cutterhead bearings to be replaced in minutes.



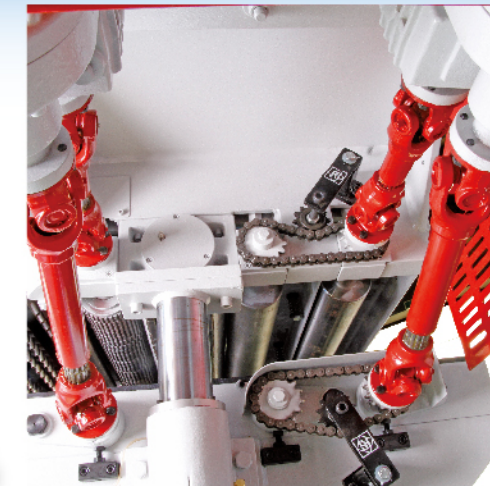
GY-610SI

3



Easy and friendly control design. the control panel are abll fo rotle 90°

4

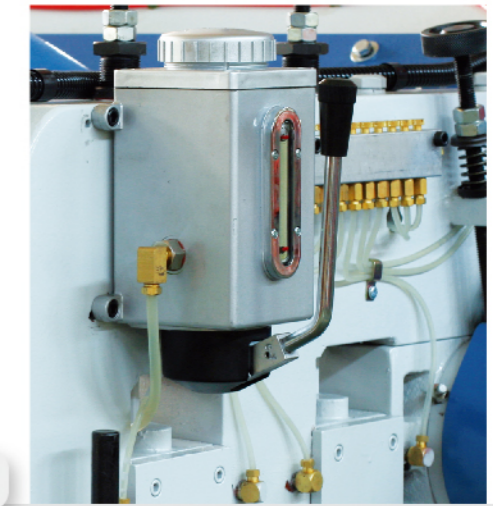


To taly 6 pieces beeding rollers with power and transmission pouer by universal joint with reducer gear box

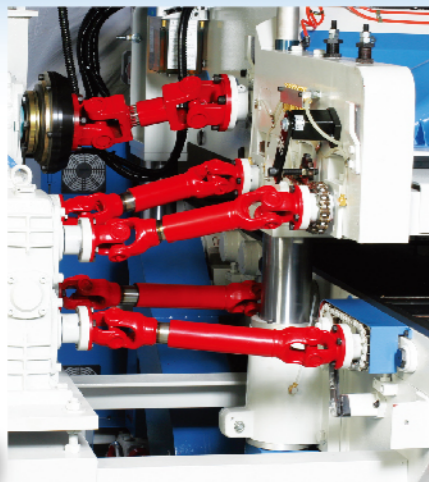
GY-610SS. 820. 1000. 1320



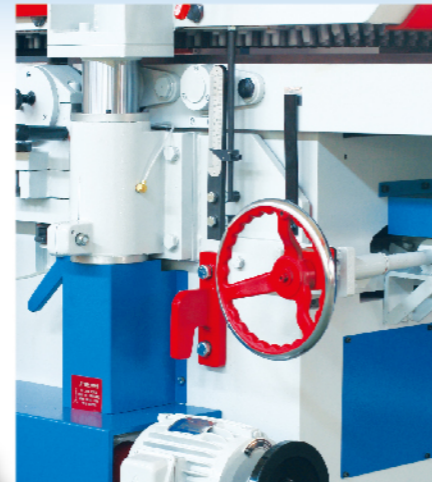
1 REAR EMERGENCY STOP CONTROL
Additional emergency switch at outfeed/rear of planer provides quick access to shut machine down. Emergency mushroom button is also standard on front control panel.



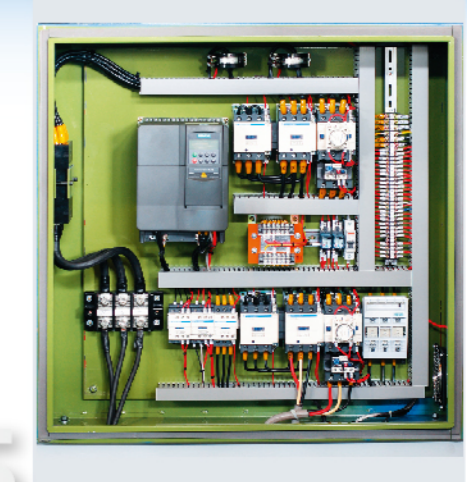
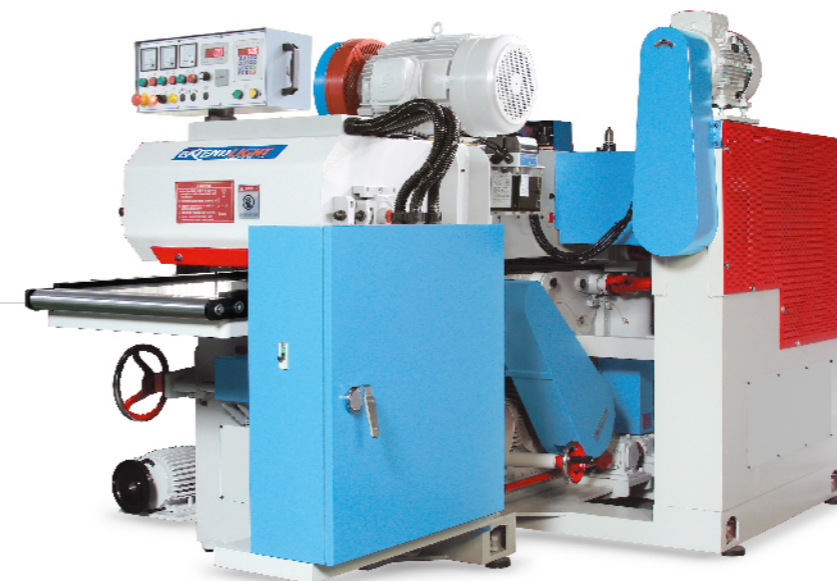
2 LUBRICATING ARRANGEMENT
Central lubricating arrangement, lubrication covering all head pulleys and around clamp



3 CARDAN SHAFT TRANSMISSION SYSTEM
The force cardan shaft transmission, the synchronism is good, dynamic output 100% efficiency transmissions (patented article)



4 FIRST PLATE ADJUSTMENT
The first half plate adjustment height demonstrated by the numeral, legible, accurate



5 CONTROLS CABINET
All electrical controls are neatly positioned in a remote dust proof cabinet. EXTEND LIGHT employs highest technology available in all electrical components. All components are UL approved for U.S installations. Y Delta start up allows soft start of all cutterhead and feed motors.

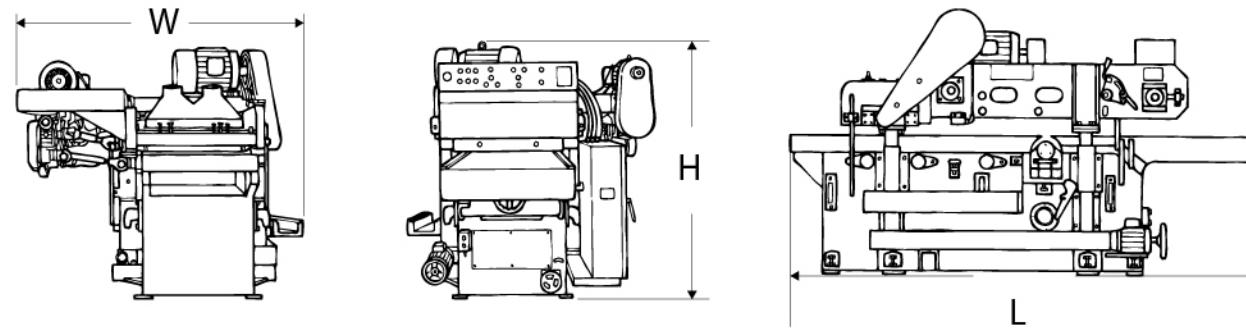
AUTO DOUBLE SURFACE PLANER

EXTENDLIGHT
MACHINE CO., LTD



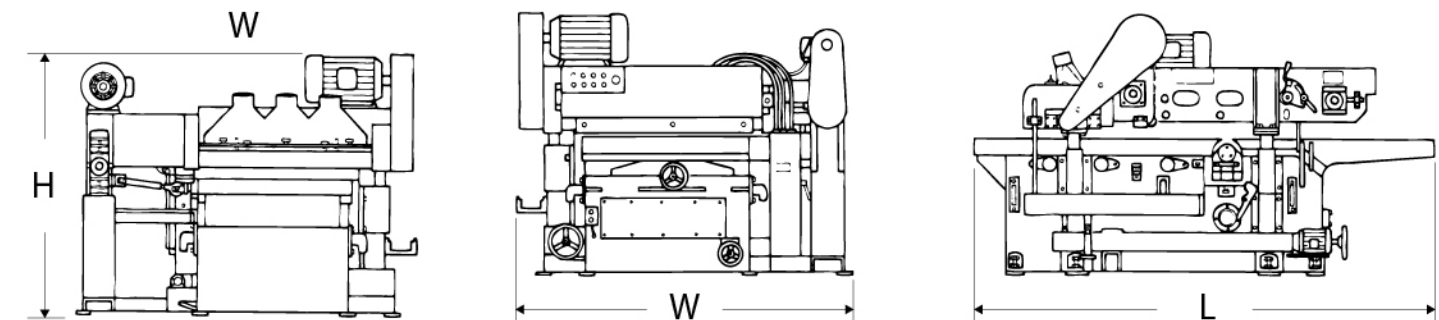
**ALL SERIES AUTO DOUBLE SURFACE PLANER
CAN OPTIONAL FULLY ENCLOSED CE GUARD**

GY-450 . 610S. 610SI



MODEL	GY-450	GY-610S	GY-610SI
Max.working width	457mm	610mm	610mm
Max.working thickness	200mm	200mm	200mm
Min.working thickness	10mm	10mm	10mm
Min.working length	300mm	300mm	300mm
Cutterhead Diameter	Ø125 mm	Ø135 mm	Ø135 mm
Composition of knives	High-speed steel Carbonizes the tungsten steel (Optional)	High-speed steel Carbonizes the tungsten steel (Optional)	High-speed steel Carbonizes the tungsten steel (Optional)
Knift style	6 x 38 x 450 30 x 12 x 2.5 (Optional)	6 x 38 x 610 30 x 12 x 2.5 (Optional)	6 x 38 x 610 30 x 12 x 2.5 (Optional)
Cutterhead speed	4600 rpm	4600 rpm	4600 rpm
Feeding speed	10~20 m/min (Standard)	10~25 m/min (Standard)	10~30 m/min (Standard)
Upper cutterhead motor	20HP / 25HP	25HP / 30HP	25HP / 30HP
Bottom cutterhead motor	15HP / 20HP	20HP / 25HP	25HP / 30HP
Feed drive motor	3 HP + inverter	5 HP + inverter	5 HP + inverter
Elevation drive motor	1 HP	1 HP	1 HP
Machine dimensions	L2520 x W1400 x H1600 mm	L2830 x W1700 x H1700 mm	L2830 x W1700 x H1700 mm
Packing dimensions	L2650 x W1550 x H1800 mm	L2950 x W1850 x H1830 mm	L2950 x W1850 x H1830 mm
N.W / G.W	3200 kgs / 3350 kgs	4300 kgs / 4480 kgs	4500 kgs / 4700 kgs
Digital control for setting working pieces thickness	Standard	Standard	Standard
CFM Dust requirement	3600 CFM	4200 CFM	4200 CFM

GY-610SS. 820. 1000. 1320



MODEL	GY-610SS	GY-820	GY-1000	GY-1320
Max.working width	610mm	820mm	1000mm	1320mm
Max.working thickness	200mm	200mm	200mm	200mm
Min.working thickness	10mm	10mm	10mm	10mm
Min.working length	360mm	360mm	400mm	400mm
Cutterhead Diameter	Ø150 mm	Ø150 mm	Ø175 mm	Ø175 mm
Composition of knives	soild carbide	soild carbide	soild carbide	soild carbide
Knift style	30 x 12 x 2.5	30 x 12 x 2.5	30 x 12 x 2.5	30 x 12 x 2.5
Cutterhead speed	4200 rpm	4200 rpm	4200 rpm	4200 rpm
Feeding speed	10~40 m/min (Standard)	10~25 m/min (Standard)	10~25 m/min (Standard)	10~25 m/min (Standard)
Upper cutterhead motor	40HP/HD Series 50HP	50HP/HD Series 60HP	50HP/HD Series 60,75HP	60HP/HD Series 75HP
Bottom cutterhead motor	30HP/HD Series 40HP	40HP/HD Series 50HP	40HP/HD Series 50,60HP	50HP/HD Series 60HP
Feed drive motor	7 1/2 HP + inverter	10HP + inverter	15HP + inverter	15HP + inverter
Elevation drive motor	2 HP	2 HP	2 HP	2 HP
Machine dimensions	L3000 x W1700 x H1700 mm	L3050 x W1950 x H1750 mm	L3050 x W2150 x H1700 mm	L3050 x W2470 x H1700 mm
Packing dimensions	L3100 x W1850 x H1830 mm	L3150 x W2050 x H1950 mm	L3150 x W2300 x H1830 mm	L3150 x W2680 x H1830 mm
N.W / G.W	6200 kgs / 6400 kgs	8500 kgs / 8700 kgs	9500 kgs / 9700 kgs	10500 kgs / 10900 kgs
Digital control for setting working pieces thickness	Standard	Standard	Standard	Standard
CFM Dust requirement	4200 CFM	4750 CFM	5200 CFM	5800 CFM