



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

NORTH IMAGE 201608-400

ELseries

www.wood-planer.com.tw



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

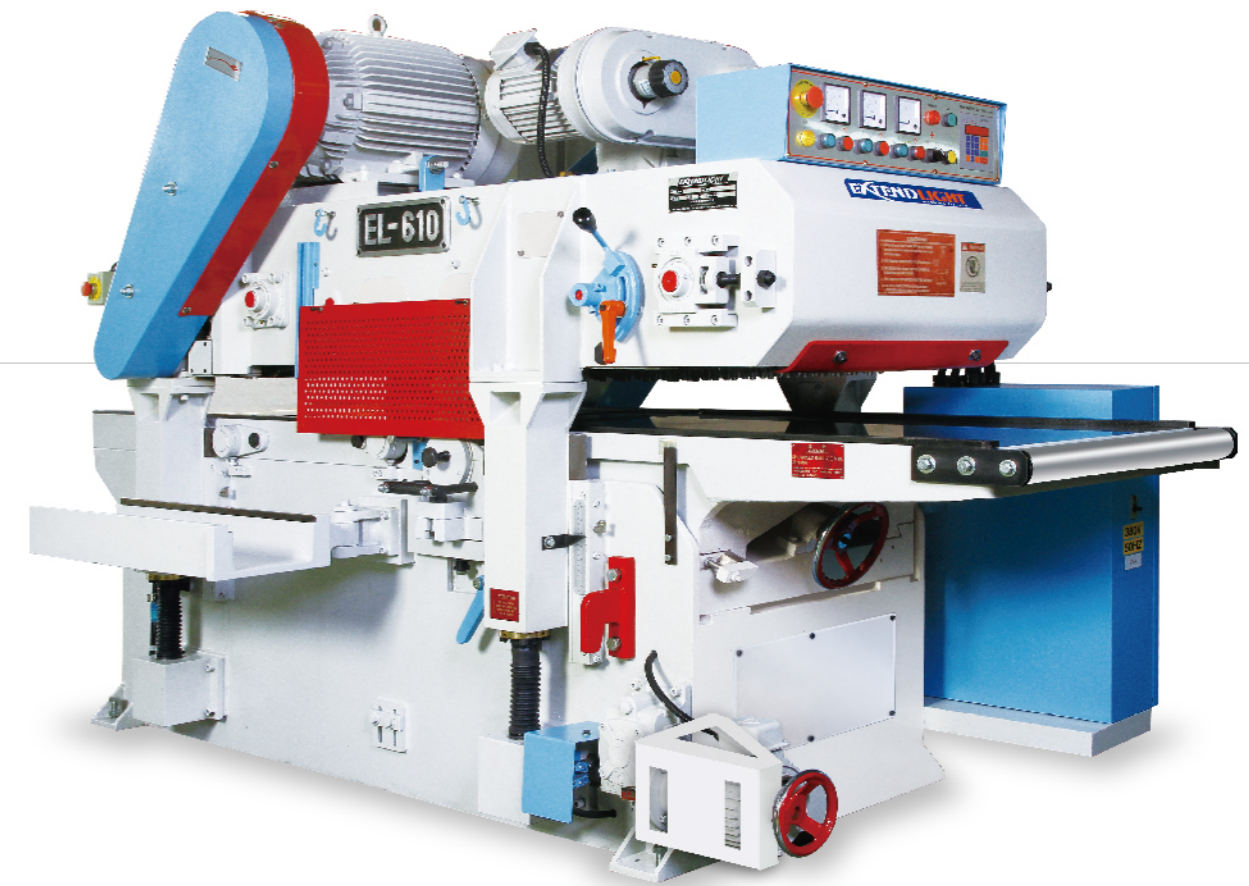
Constant attention to details, improved engineering standards, quality control, and innovative cutterhead technology have allowed the EXTEND LIGHT Industrial Double Surfer to become America's #1 selling planer.

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.

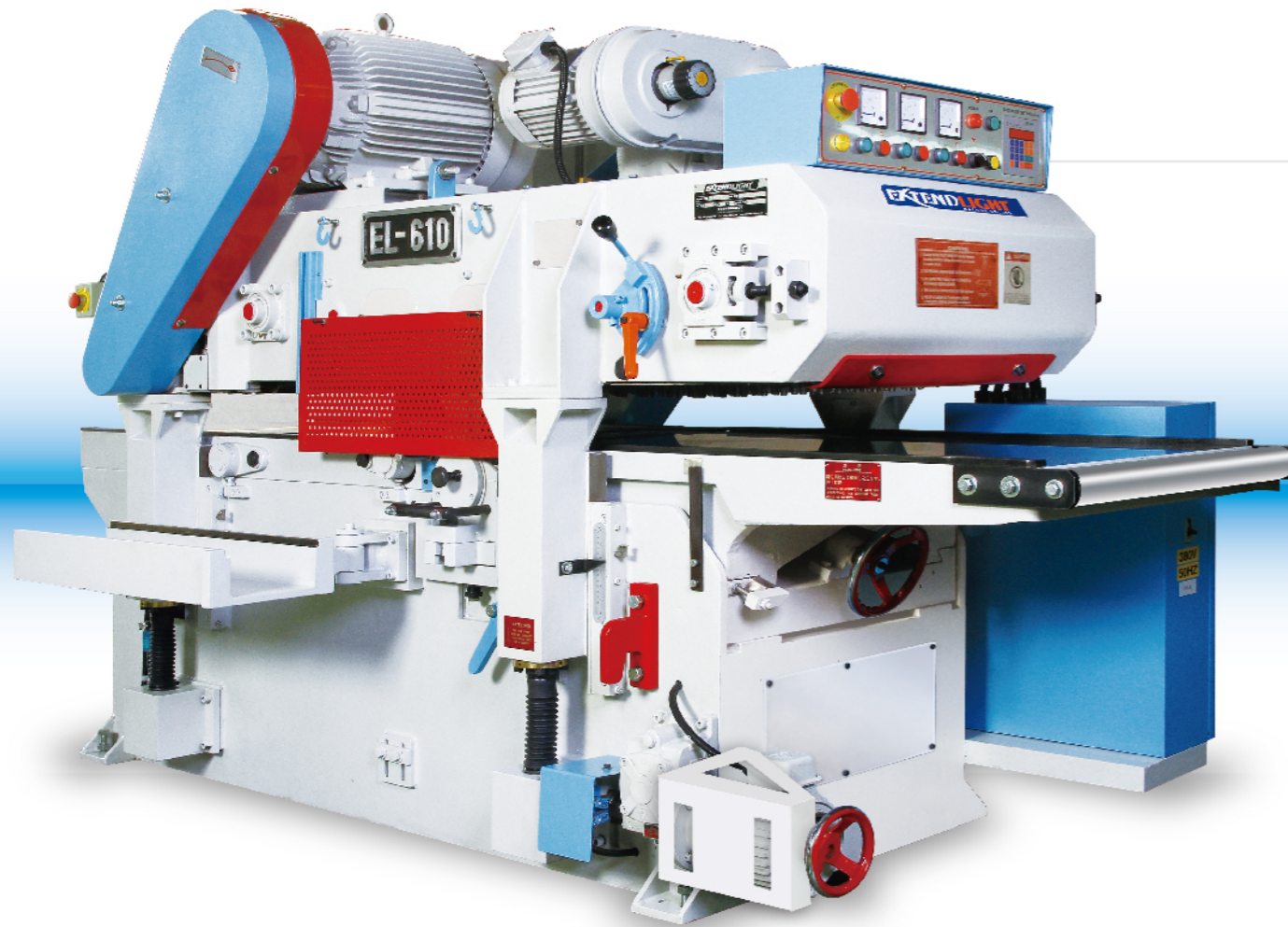
Double Surface Planers allow simple and affordable surfacing solutions to both cabinet furniture factories as well as Lumber and Dimensional Mills.



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 ± 0.1 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 6-20M/min. allow the EXTEND LIGHT double surfacer to meet high production demands.
- Increased horsepower series surfacers provide greater capacity for stock removal while keeping finish at optimum levels.
- 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.

EL-400 . 610



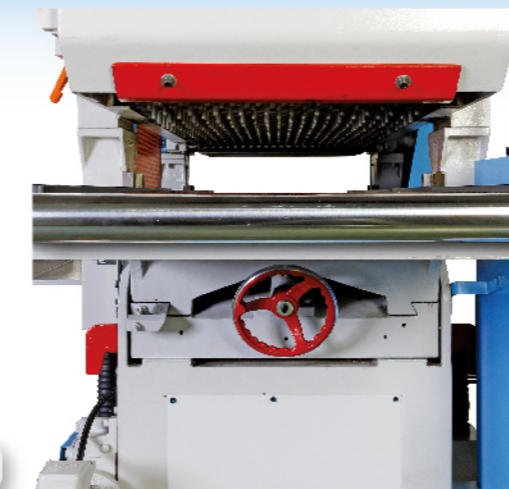
1 CENTRALIZED CONTROL PANEL WITH DIGITAL CUTTERHEAD POSITIONER

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 $\pm 0.1\text{mm}$ accuracy.



2 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.



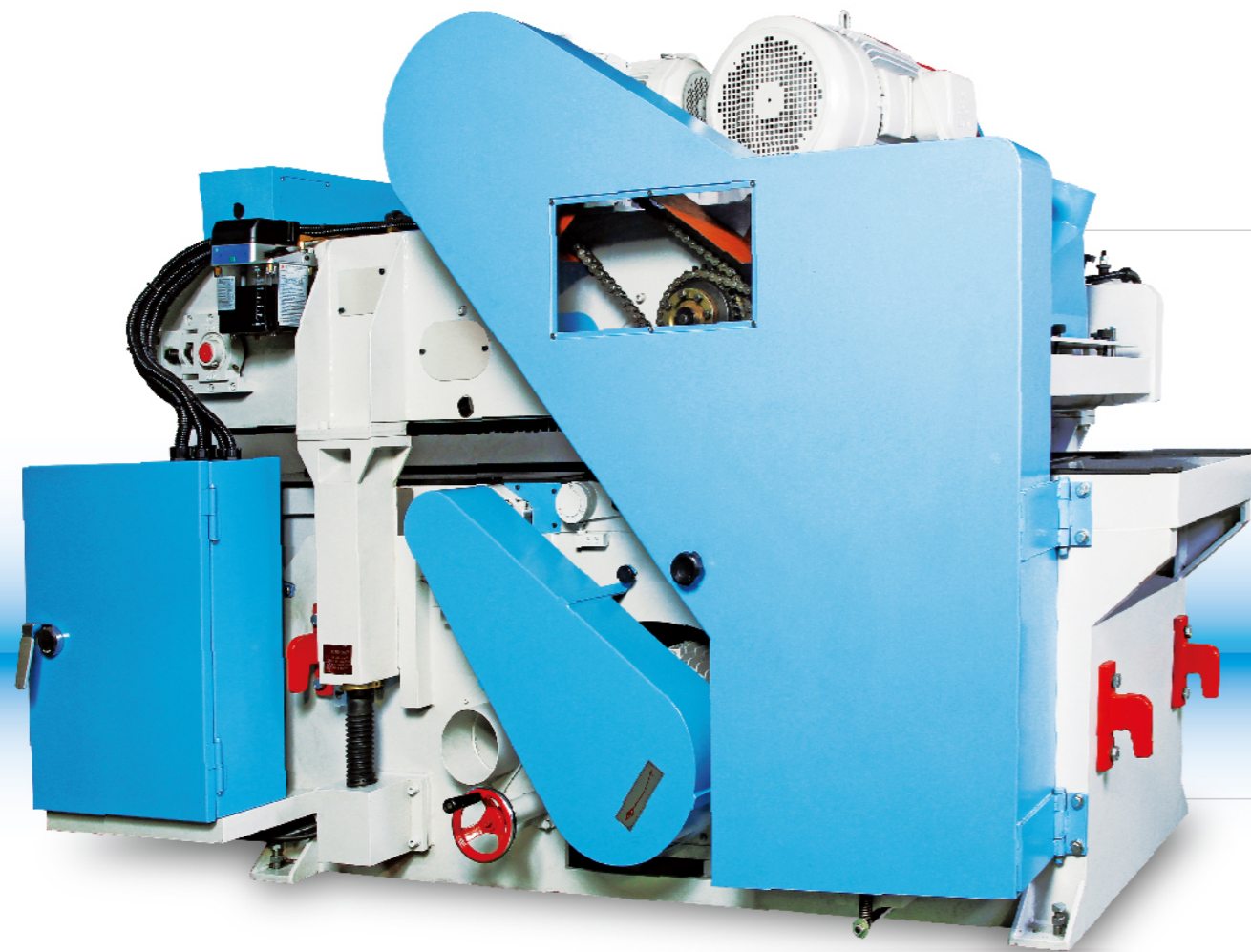
3 SPIKE CONVEYOR FOR HIGHLY CALIBRATED THICKNESS AND CONSTANT FEEDING

By allowing the spike/fingers to float as much as up and down 19mm, 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.



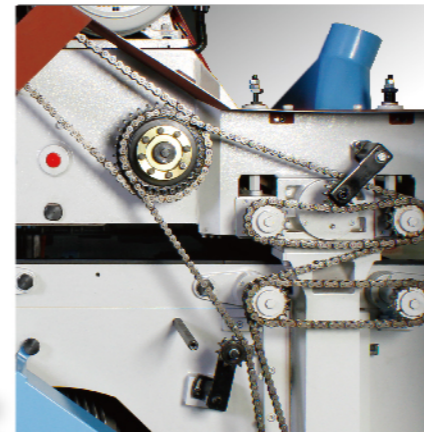
4 DESIGN GUIDANCE

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.



EL-400 . 610

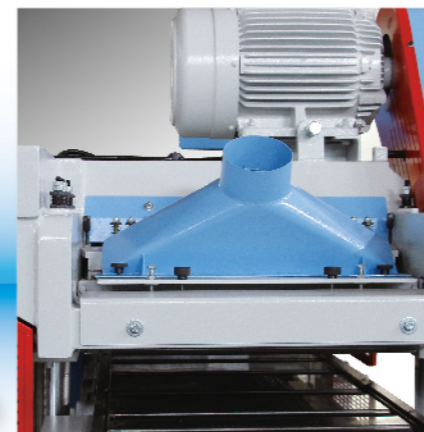
5



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 (4) on bottom cutterheads. The 820/1000 series employs 8 belt to each cutterhead.

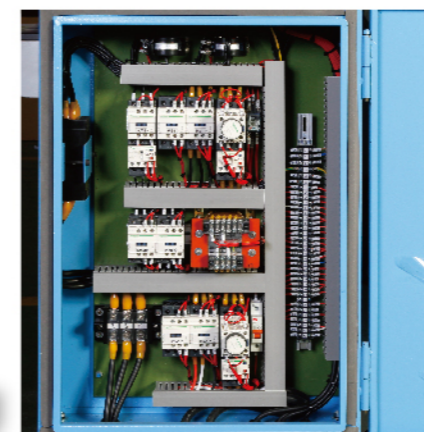
6



HIGH CAPACITY DUST CHUTES

The machine is equipped with one 6" dust chutes to provide maximum dust and chip removal, keeping the machine and the working environment cleaner and safer.

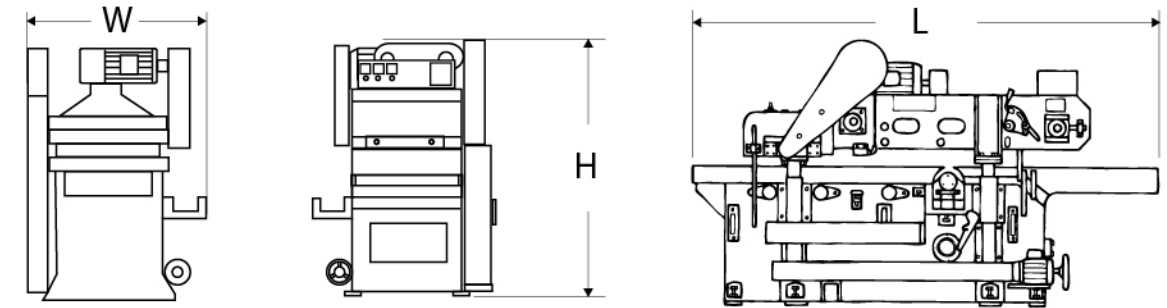
7



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.

EL-400 . 610



- Mechanical specifications -

MODEL	EL-400	EL-610
Max.working width	400 mm	610 mm
Max_working thickness	160 mm	160 mm
Min.working thickness	10 mm	10 mm
Min.working length	300 mm	300 mm
Composition of knives	4 pcs x 2	4 pcs x 2
Knift style	400 x 6 x 38mm (16" x 1/4" x 1-1/2")	610 x 6 x 38mm (24" x 1/4" x 1-1/2")
Spiral cutterhead	6 rows/ 30 x 12 x 2.5mm	6 rows/ 30 x 12 x 2.5mm
Cutterhead speed	50HZ/4200 RPM, 60HZ/5000 RPM	50HZ/4200 RPM, 60HZ/5000 RPM
Feeding speed	10 - 20 M/min with belt adjust variable pulley	10 - 20 m/min with belt adjust variable pulley
Upper cutterhead motor	15 HP, 20HP	20 HP, 25HP
Bottom cutterhead motor	10 HP, 15HP	15 HP, 20HP
Feed drive motor	2 HP	3 HP
Elevation drive motor	1 HP	1 HP
Machine dimensions	L2350 x W 956 x H 1700 mm	L2730 x W 1100 x H 1700 mm
Packing dimensions	L2450 x W1050 x H 1800 mm	L2950 x W1200 x H 1830 mm
N.W/G.W	2500 kgs / 2600 kgs	3300 kgs / 3700 kgs
Digital control for setting working pieces thickness	Standard	Standard
Optional	Feeding with inverter and speed readout	Feeding with inverter and speed readout