

YL-635ARD

High Speed Feed up to 40 M/min.

**High Production!
Increasing Your Production Profit!**



- Y-△ starting on motor.
- Automatic lubrication on feed chain.
- Table surface is hard chrome plated and precision ground thereby assuring smooth feeding motion and maximum wear resistance.
- Sectional infeed roller.
- Equipped with overload warning lamp.
- The table is equipped with three powered rollers.
- Powered elevation of upper mechanism.

SPECIFICATIONS:

MODEL	YL-635ARD
Maximum width of plane	635mm (25")
Maximum height of plane	200mm (8")
Minimum thickness of plane	10mm
Minimum length of plane	310mm
Number of knives	96pcs (x2)
Knife size	TCT30x12x1.5mm
Cutterhead diameter	φ126mm
Cutterhead speed	5000rpm
RPM of stepless variable speed	7-40r/min
Dust hood outlet	6"x2
Table surface	27"x103"
Top cutterhead drive motor	25HP
Bottom cutterhead drive motor	20HP
Feed drive motor	5HP
Table elevation motor	1/2HP
Machine dimensions (LxWxH)	2667x1145x1720mm
Net weight	3000kg
Packing dimensions (LxWxH)	2767x1245x1870mm
Gross weight	3500kg

* All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.



Rear Cutting Mechanism

There are two outfeed rollers and two table rollers provided at the outfeed end of the top cutterhead. All rollers are powered to assure more powerful and stable feeding performance.



Powerful Feed Drive

The 5HP feed drive motor, combined with inverter and gear reducer, provide extra powerful workpiece feeding and permits high speed planing with ease.



Mild Pressure Spikes

The pressure spikes are in an overlapped layout with a minimum of gaps and hold the workpiece firmly and uniformly. The special mild hold-down design ensures shake free feeding even for narrow workpieces.



Swiveling Control Panel

The specially-designed swiveling control panel allows the operator to use the machine conveniently in any position.



Table Rollers

The table is fitted with three powered rollers and one driven roller for upgrading feed smoothness during heavy duty planing.



Outfeed Extension Rollers

There are two rollers provided at the outfeed end of the table. They provide firm support, especially for long workpieces.

OPTIONAL



Helical Cutterhead (Heavy-duty Type)

- The helical cutterhead is precision machined.
- The cutterhead provides extremely smooth and quiet cutting.
- Equipped with 15 x 15 x 2.5 mm. TCT knife bits.



Helical Cutterhead (Heavy-duty Type)

- The helical cutterhead is precision machined.
- The cutterhead provides extremely smooth and quiet cutting.
- Equipped with 30 x 12 x 1.5 mm. TCT knife bits.



元隆精密機械廠 / 蒼隆工業有限公司
YUAN LUNG MACHINERY WORKS/ ROUTMAC INDUSTRY CO., LTD
429 台中市神岡鄉豐洲路1166號
No. 1166, Fengzhou Rd., Shengang Dist., Taichung City 429, Taiwan
(R.O.C.).



DOUBLE SURFACE PLANER

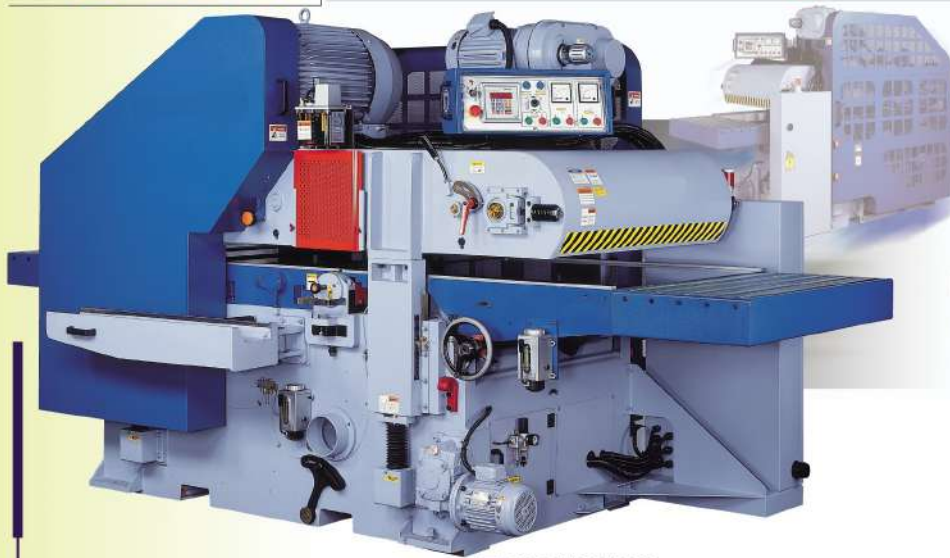
YL-1020W

YL-635ARD

YL-1020W

Maximum Cutting Width up to 1,020 mm.

**Heavy Duty Machining!
Ruggedly Constructed Throughout!**



- Maximum cut width up to 1,020 mm.
- 40 (50) HP top cutterhead drive.
- 30 (40) HP bottom cutterhead drive.
- Table surface is hard chrome plated and precision ground thereby assuring smooth feeding motion and maximum wear resistance.
- Sectional infeed roller.
- Equipped with mechanical overload warning lamp.
- The table is equipped with four powered rollers.
- Powered elevation of upper mechanism.

SPECIFICATIONS:

MODEL	YL-1020W
Maximum width of plane	1020mm (40")
Maximum height of plane	200mm (8")
Minimum thickness of plane	10mm
Minimum length of plane	310mm
Number of knives	328pcs (x2)
Knife size	TCT 15x15x2.5mm
Cutterhead diameter	φ 131mm
Cutterhead speed	4000rpm
RPM of stepless variable speed	7-20m/min
Dust hood outlet	6" x 4
Table surface	40"x103"
Top cutterhead drive motor	40 (50HP)
Bottom cutterhead drive motor	30 (40HP)
Feed drive motor	1HP
Table elevation motor	1HP
Machine dimensions (LxWxH)	2750x1950x1900mm
Net weight	6300kg
Packing dimensions (LxWxH)	2850x2050x2050mm
Gross weight	7000kg

* All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.



Helical Cutterhead Rest
The helical cutterhead can be conveniently pulled out and provides convenient knife bit replacement.



Rear Cutting Mechanism
There are two feed rollers and two table rollers provided at the infeed and outfeed ends of the top cutterhead. All rollers are powered to assure more powerful and more stable feeding performance.



Pneumatically Operated Disk Brake
The top and bottom cutterheads are equipped with pneumatically operated disk brakes which provide instant stop of cutterhead running. This ensures safety protection for the machine and the operator.



Swiveling Control Panel
The specially-designed swiveling control panel allows operator to use the machine conveniently in any position.



Infeed and Outfeed Extension Roller
There are five rollers provided at the infeed and outfeed end of table. They provide firm support, especially for long workpieces.



Convenient and Accurate Front Table Adjustment
• The front table elevation is easily adjusted by turning a big handwheel combined with the worm gear mechanism.
• A mechanical meter is provided on the handwheel for accurately indicating the bottom cut thickness adjustment.



Mild Pressure Spikes
The pressure spikes are in an overlapped layout with a minimum of gaps and so hold the workpiece firmly and uniformly. The special mild hold-down design ensures shake free feeding even for narrow workpieces.



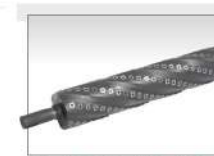
Slideway Stabilizing Cylinders
Each side of the upper mechanism elevation slideway is equipped with an individual stabilizing air cylinder. These two cylinders not only increase the stability of cutting but also ensure superior planing quality.



Powerful Transmission System
The feed rollers and table rollers are driven by the specially-designed double-chain drive. This greatly upgrades feeding power and smoothness.



High Quality Electronic Components
The electrical control system consists of high quality components which meet European standards. The control circuit is neatly arranged for convenient maintenance.



Helical Cutterhead (Basic Type)
• The helical cutterhead is precision machined.
• The cutterhead provides extremely smooth and quiet cutting.
• Choice for 15 x 15 x 2.5 mm, TCT knife bits.



Helical Cutterhead (Heavy-duty Type)
• The helical cutterhead is precision machined.
• The cutterhead provides extremely smooth and quiet cutting.
• Equipped with 30 x 12 x 1.5 mm, TCT knife bits. (OPTIONAL)

Double Surface Planer

OUTSTANDING FEATURES

- The four table rollers provide superior feeding performance.
- Standard Y-delta motor starting.
- Quick belt change for bottom cutterhead.
- Automatic lubrication for feeding chain.
- Automatic lubricator provides convenient lubrication to caterpillar chain slideways.
- An air wrench is applied for removing or installing knives and saves knife change time.
- Optional spiral cutter head for the upper and lower cutter heads
- The table surface is hard chrome plated and precision ground for extremely smooth feeding and maximum wear resistance.
- The dovetailed slideways on the table elevation assure outstanding rigidity and stability.
- Sectional infeed rollers.



- Working width 635mm(25")
- Equipped with digital positioning control.
- Equipped with NO.1 helical cutterhead.
- Quick thickness setting device.
- Slideways are lubricated by central hand lubricator.
- Feeding inverter with an additional gear reducer.

YL-635ARD



- Working width 610mm(24")
- Equipped with plain cutterhead.
- Quick thickness setting device.
- Slideways are lubricated by centralized hand lubricator.
- Feeding inverter with an additional gear reducer.

YL-610A



YL-610B

for short wood Machining



- Working width 610mm(24")
- Suitable for planing short workpieces.
- Equipped with plain cutterhead.
- Feeding inverter with an additional gear reducer.

YL-400B

for short wood Machining



- Working width 405mm(16")
- Suitable for planing short workpieces.
- Equipped with plain cutterhead.
- Feeding inverter with an additional gear reducer.

STANDARD ACCESSORIES

- Simple knife setting gauge.
- Hard, chrome-plate table.
- Plain cutterhead.
- Quick belt tension adjustment device.
- Automatic lubricator.
- Table roller height setting device.



WELL LAID-OUT PRESSURE SPIKES

The pressure spikes are in an overlapped layout with a minimum of gaps that hold the workpiece firmly and evening ensuring shake-free feeding-even for short workpieces.



FAST KNIFE REPLACEMENT

The bottom cutterhead can be conveniently pulled out and is combined with an air wrench for greatly saving knife change time.



FAST AND CONVENIENT BELT TENSION ADJUSTMENT

Simply loosen the lever for quickly replacing belt or adjusting belt tension.



AUTOMATIC LUBRICATOR

The automatic lubricator delivers frequent lubrication oil to the caterpillar chain.



FEEDING INVERTER

Digital display and quick operation to reduce wear on mechanical gearbox.



GEAR REDUCER

Reduce wear caused by temperature rise and improve efficiency of power transmission.



QUICK THICKNESS SETTING

Fast and convenient thickness setting can be achieved by simply placing a wood sample of identical thickness under the micro switch. (standard equipment on models 610A and 635ARD only. Optional for other models.)



REAR CONTROL DEVICE

Instant response and emergency stop to any abnormality, or just to stop/start the feeding, and provide the operator at the rear to perform on-site height adjustment of machine.



CENTRALIZED HAND LUBRICATOR

A centralized hand lubricator is provided for conveniently lubricating the elevation slideways. (standard equipment on models 610A and 635ARD only. Optional for other models.)



PLAIN CUTTERHEAD

- Knife bits are replaced by using an air wrench.
- Suitable for
 - 610A:knife bit sizes(610x38x6.35mm)x8pcs
 - 610B:knife bit sizes (610x30x3mm)x8pcs
 - 610C:knife bit sizes (405x30x3mm)x8pcs

OPTIONAL ACCESSORIES

- Digital positioning control.
- Helical cutterhead.
- Increased motor horsepower.



No.1 HELICAL CUTTERHEAD

OPTIONAL

- The helical cutterhead is precision machined.
- Provides extremely fine surface of cut with minimum noise.
- The helical cutterhead is fitted with throw-away T.C.T. knife bits.
- Suitable for complete models:
 - 635ARD: knife bit sizes (15x15x2.5mm)x312pcs
 - 610A: knife bit sizes (15x15x2.5mm)x312pcs
 - 610B: knife bit sizes (15x15x2.5mm)x300pcs
 - 400B: knife bit sizes (15x15x2.5mm)x204pcs



No.2 HELICAL CUTTERHEAD (Ideal for heavy cutting)

OPTIONAL

- The helical cutterhead is precision machined.
- Provides extremely fine surface of cut with minimum noise.
- The helical cutterhead is fitted with throw-away T.C.T. knife bits.
- Suitable for
 - 635ARD: knife bit sizes (30x12x1.5mm)x192pcs
 - 610A: knife bit sizes (30x12x1.5mm)x192pcs
 - 610A: knife bit sizes (30x12x1.5mm)x180pcs
 - 400B: knife bit sizes (30x12x1.5mm)x120pcs



TABLE POSITION ADJUSTED BY SIDE HANDWHEEL

The specially-designed side handwheel provides a comfortable adjustment of table position for operators of any height.



DIGITAL POSITIONING CONTROL

The thickness of cut can be controlled by a digital positioning control. Once the preset position is reached, the table elevation stops automatically.

SPECIFICATIONS:

機 型	YL-635ARD	YL-400B	YL-610B	YL-610A
Maximum width of cut	635mm(25")	405mm(16")	610mm(24")	610mm(24")
Maximum thickness of cut	200mm(8")	200mm(8")	200mm(8")	200mm(8")
Minimum thickness of cut	10mm	8mm	8mm	10mm
Minimum length of cut	310mm	250mm	250mm	310mm
Knife nos.on each cutterhead	156pcs	4pcs	4pcs	4pcs
Knife sizes	TCT 15x15x2.5mm	405x3x30mm (16"x1/8"x1-1/8")	610x3x30mm (24"x1/8"x1-1/8")	610x6.35x38mm (24"x1/4"x1-1/2")
Cutterhead Diameter	Ø126mm	Ø101mm	Ø101mm	Ø126mm
Cutterhead speed	5000RPM	4000RPM	4000RPM	4000RPM
Variable feed speed	8-24 m/min	8-24 m/min	8-24 m/min	8-24 m/min
Dust hood outlet diameter	6"	5"	5"	6"
Table surface area	27"x103"	19"x86"	27"x86"	27"x103"
Top cutterhead drive motor	20(25HP)	10HP	15HP	20(25HP)
Bottom cutterhead drive motor	15(20HP)	7.5HP	10HP	15(20HP)
Feed drive motor	3HP	2HP	2HP	3HP
Upper mechanism elevation motor	1/2HP	1/2HP	1/2HP	1/2HP
Machine dimensions(LxWxH)	2667x1145x1720mm	2200x900x1700mm	2200x1100x1720mm	2667x1145x1720mm
Net weight	3000kg	1900kg	2500kg	3000kg
Packing dimensions(LxWxH)	2767x1245x1870mm	2300x950x1850mm	2300x1190x1850mm	2767x1245x1870mm
Gross weight	3500kg	2100kg	3000kg	3500kg

• All specifications, dimensions and design characteristics shown in this catalogue are to change without prior notice.

DIAGRAM OF MACHINE

