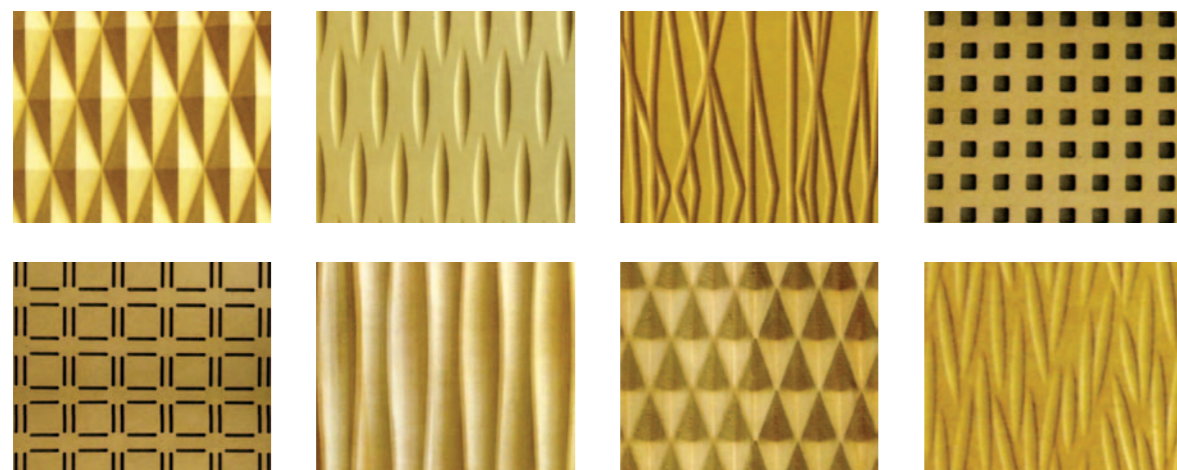


MODEL		YL-1509
Capacity	Max. workpiece sizes	5 x 3 feet
Travel	X-axis travel	1500 mm
	Y-axis travel	900 mm
	Z-axis travel	230 mm
	Spindle nose to table	235 mm
	Spindle center to column face	1000 mm
Table	Table sizes	900x1500 mm
Feed Rate	Cutting feed rate	6 M/min
	X-axis rapid traverse	16 M/min
	Y-axis rapid traverse	16 M/min
	Z-axis rapid traverse	8 M/min
Spindle	Spindle speed (Variable)	1000~20,000 rpm
	Spindle taper	ER 32
	Collet sizes	3~20 mm
Motor	Spindle motor	7 Kw
	X-axis motor	1 Kw
	Y-axis motor	1.5 Kw
	Z-axis motor(With brake)	0.75 Kw
	Vacuum pump motor	5 HP
Others	Air pressure required	6 Kgf/cm ²
	Machine size (LxWxH)	2300x2600x2130 mm
	Packing dimensions (LxWxH)	2520x2280x1800 mm
	N.W. / G.W.	2000 / 2200 kg

• Dimensions and design characteristics shown on this catalog are subject to change without prior notice.



**YUAN LUNG MACHINERY WORKS.
TSANG LUNG INDUSTRY CO., LTD.**

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CNC ROUTER

**Manual Tool Change !
PC Based CNC Control !
20,000 RPM Spindle Speed !**

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YUAN LUNG MACHINERY WORKS.
TSANG LUNG INDUSTRY CO., LTD.

CNC Router

Advanced CNC Router Designed to Dramatically Increase Your Machining Efficiency !



YL-1509

PC BASED CNC CONTROL USER-FRIENDLY OPERATION

- The machine is equipped with a PC based CNC control with powerful functions .
- Advanced window CE operation system.
- The CNC control can be onlined with internet and accomodates USB transfer interface.

FUNCTIONS OF WINDOWS CE SYSTEM

- USB transfer interface.
- Open type human-machine interfacing.
- Data transfer through internet.
- Multi-language display.
- High speed and high accuracy.



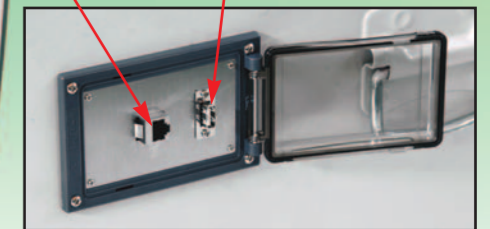
CONTROL PANEL

- Provides connection of mouse for operation control, that increases operational convenience.
- Start and stop controls for automatic cycle and single-block execution.



INTERNET ONLINE PORT

USB TRANSFER PORT



VARIOUS ADVANCED INTERFACES

The controller is provided with two ports for online with internet and features USB transfer function.

POWERFUL VACUUM GENERATOR

The vacuum generator provides extra powerful vacuum for the table, that holds workpiece securely during machining.



AUTOMATIC LUBRICATOR

- The automatic lubricator delivers lubrication oil to all slideways, resulting in extremely smooth movements on 3 axes.
- Lubrication frequency and oil flow may be adjusted as desired.



DEPENDABLE CONTROL CIRCUIT

The control circuit uses high quality electronic parts, that feature maximum dependability of motion controls and long service life.

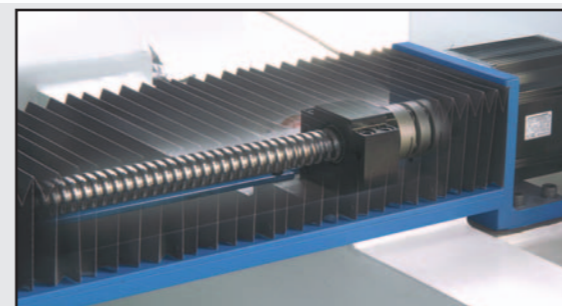
VARIABLE SPINDLE SPEED BY FREQUENCY INVERTER CONTROL

- The spindle running is controlled by a frequency inverter, allowing for variable speed change.
- Wide spindle speed range from 500 to 18,000 RPM makes the machine ideal for cutting various types of wood material.



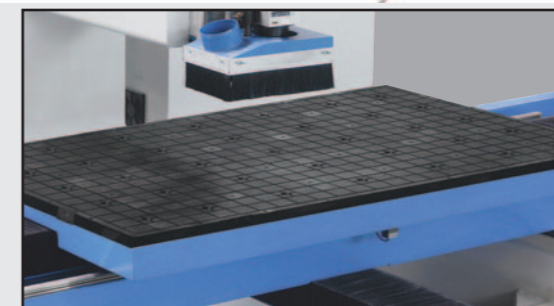
AIR CYLINDER COUNTER-BALANCE

The spindle head is counter-balanced by an air cylinder, which upgrades machining stability and accuracy.



DIRECT-DRIVE BALL SCREW ON Y-AXIS

- The Y-axis ball screw is directly driven by a servomotor, which eliminates backlash problem while providing positive transmission effect.
- A coupling is equipped between the servo motor and the ball screw, that provides accurate transmission of the desired motion produced by the servo motor.



VACUUM SUCTION TABLE

- The table is fitted with a compact board drilled with holes for vacuum suction.
- The positions of vacuum suction holes can be drilled according to customer's workpiece types.



VACUUM PRESSURE METER

A vacuum pressure meter is provided at the front of the table for checking vacuum pressure. The machine does not operate until the vacuum pressure reaches the setting value.