

www.routmac.com

Spindle Shapers

A dependable Source for All Your Needs in High Quality Spindle Shapers

With over 30 years of experience in designing and manufacturing high quality woodworking machines, Chen Sheng offers the widest range of spindle shapers for its customers all around the globe. Our engineers strive for excellence and innovation in machine structure, cutting accuracy and production efficiency. With their expertise and R&D capabilities, we constantly develop new models to meet the specific requirements from each customer. At Chen Sheng, everything we make relies on providing the highest possible level of spindle shaper quality in order to satisfy and even exceed your expectations.



TILTING SPINDLE



SLIDING TABLE



DIGITAL CONTROL



LIFTING SPINDLE



LONG TABLE



YL - 525TSM

Series _____
Tilting spindle _____
Sliding table _____
Lifting spindle _____



YL - 625TSM

Series _____
Tilting spindle _____
Sliding table _____
Lifting spindle _____



YL - 635TS

Series _____
Tilting spindle _____
Sliding table _____



YL - 735TSM

Series _____
Tilting spindle _____
Sliding table _____
Lifting spindle _____
Long table _____



YL - 800TSM

Series _____
Tilting spindle _____
Sliding table _____
Lifting spindle _____
Digital control _____



YL - 2070S

Series _____
Sliding table _____

525series

Outstanding Features

INTERCHANGEABLE SPINDLES:

Choice of 4 spindle diameters (3/4", 1", 1-1/4", 1-3/8" or in metric sizes 19mm, 25.4mm, 30mm, 35mm). Spindle has MK5 taper to ensure precision and allow quick changeover.

QUICK SPINDLE SPEED CHANGE :

The spindle is driven by a four-speed dynamically balanced pulley for spindle speeds of 3000, 4500, 7500 and 10000 RPM. Change of speed is quick and easily accomplished by simply loosening a lock lever, and shifting the belt to the required speed.

REVERSIBLE SPINDLE ROTATION:

The spindle is reversible to ensure safe rotation in clockwise or counter-clockwise direction as well as providing the ability to climb cut glued panels.

LIFTING SPINDLE:

The lifting spindle is moving up & down thanks to a lifting handwheel located on the side or on the front of the machine within easy reach. The travel distance is 5" (130mm).

TILTING SPINDLE:

The tilting spindle provides angle cutting from -5° ~ 0° ~ +45°. Spindle tilting handwheel is located at front within easy reach. A tilt scale is attached for accurate angle setting.

SPINDLE RAISING:

The spindle is raised or lowered by a graduated precision handwheel, providing 1mm elevation per full revolution. Quick clamp lever positively holds spindle at a set height.

TABLE INSERTS:

The spindle is fitted with 2 insert rings (6-3/8" & 8-5/8") permitting use of a wide variety of shaper cutters.

FENCE:

The fence assembly is attached with a 4" diameter outlet dust hood. The fence halves can be precision adjusted by micrometric adjustment knob.

TABLE:

The massive table is made from high quality, rib reinforced and temper heat treated cast iron for maximum strength and wear resistance. Table surface is precision ground and polished.

SLIDING TABLE:

The sliding table is an integrated system providing maximum accuracy and effortless cutting effect. Tenoning attachment is included as a standard feature.



YL-525M

- Fixed table model
- Table area 27-1/2"x35-1/2" (700x900mm)
- 5HP / 3PH standard



YL-525MS

- Sliding table model
- Table area 27-1/2"x35-1/2" (700x900mm)
- 5HP / 3PH standard



YL-525T

- Tilting spindle model
- Table area 27-1/2"x35-1/2" (700x900mm)
- 5HP / 3PH standard



YL-525TS

- Tilting spindle with sliding table model
- Table area 27-1/2"x35-1/2" (700x900mm)
- 5HP / 3PH standard

Specifications:

MODEL	YL-525M, MS	YL-525T, TS
Spindle dia.	3/4", 1", 1-1/4", 1-3/8" (19, 25.4, 30, 35mm)	
Spindle speed	3000 / 4500 / 7500 / 10000 rpm	
Taper of spindle	MK5	
Spindle motor	5HP / 3PH	
Spindle travel	5" (130mm)	
Spindle capacity under nut	3-1/4", 3-3/4", 4-1/2" (3/4", 1", 1-1/4" spindle)	
Tilting angle	—	-5° ~ 0° ~ +45°
Max. table insert diameter	8-5/8" (220mm)	
Table size	27-1/2" x 35-1/2" (700 x 900mm)	
Table height	35-1/2" (900mm)	
Sliding table size (525MS/TS)	35-1/2" x 9" (900 x 230mm)	
Sliding table travel (525MS/TS)	32-1/2" (830mm)	
Fence size	127 x 425mm x 2pcs	
N.W.	345kgs	360kgs 370kgs 400kgs
G.W.	390kgs	405kgs 420kgs 450kgs
Packing dimensions	42"(L) x 38"(W) x 50"(H)	42"(L) x 42"(W) x 50"(H)

* Specifications and design characteristics are subject to change without prior notice.

Standard Equipment:

- Magnetic switch with overload protection
- Reversing switch
- Choice of spindle size: Specify spindle diameter when ordering.
- Hold down springs: Vertical set of two pieces. Horizontal set of two pieces.
- 2 Table inserts (6-3/8" & 8-5/8")
- Precision fence with 4" dust outlet
- Parts & Operations Books
- Service tool kit

Optional Equipment:

- Digital display
- Routing operation
- Spindle front guard
- Optional spindle size available