

www.routmac.com

Spindle Shapers

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

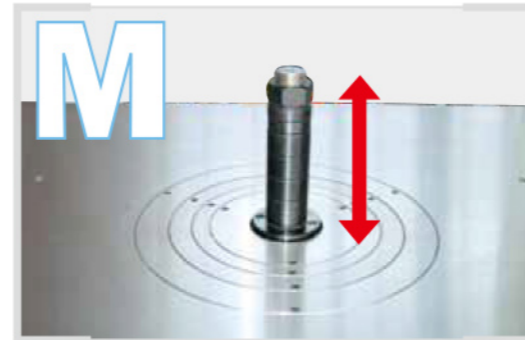
With over 30 years of experience in designing and manufacturing high quality woodworking machines, Chen Sheng offers the widest range of spindle shapers for its customers all around the globe. Our engineers strive for excellence and innovation in machine structure, cutting accuracy and production efficiency. 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



DIGITAL CONTROL



LIFTING SPINDLE



SLIDING TABLE



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 _____

525 series

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	35-1/2" x 9" (900 x 230mm)		
Sliding table travel	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

625series

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.

FOOT SPINDLE BRAKE:

Treadle plate provides instant stop of the running spindle after shutting off the power.



YL-625M

- Fixed table model
- Table area: 41-3/8" x 31-1/2" (1050 x 800mm)
- 7.5HP / 3PH
- Spindle foot brake



YL-625MS

- Sliding table model
- Table area: 41-3/8" x 31-1/2" (1050 x 800mm)
- 7.5HP / 3PH
- Spindle foot brake



YL-625T

- Tilting spindle model
- Table area: 41-3/8" x 31-1/2" (1050 x 800mm)
- 7.5HP / 3PH
- Spindle foot brake



YL-625TS

- Tilting spindle with sliding table model
- Table area: 41-3/8" x 31-1/2" (1050 x 800mm)
- 7.5HP / 3PH
- Spindle foot brake

Specifications:

Model	YL-625M, MS	YL-625T, TS	
Spindle diameter	3/4", 1", 1-1/4", 1-3/8" (19, 25.4, 30, 35mm)		
Spindle speed	3,000, 4,500, 7,500, 10,000 rpm		
Taper of spindle	MK5		
Spindle motor	7.5HP / 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	41-3/8" x 31-1/8" (1050 x 800mm)		
Table height	35-1/2" (900mm)		
Sliding table size	1050 x 250mm		
Sliding table travel	38" (970mm)		
Fence size	127 x 425mm x 2pcs		
N.W.	400kgs	430kgs	440kgs 485kgs
G.W.	460kgs	490kgs	505kgs 550kgs
Packing dimensions	48"(L) x 37"(W) x 50"(H)		48"(L) x 46"(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

635series

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 spindle can be tilted 45° backward and 5° frontward.

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.

ELECTRONIC MOTOR BRAKE:

The electronic motor brake provides instant stop of the running motor.



YL-635T

- Tilting spindle model
- Table area: 41-3/8" x 31-1/2" (1050 x 800mm)
- 7.5HP / 3PH
- Electronic motor brake

YL-635TS

- Tilting spindle with sliding table model
- Table area: 41-3/8" x 31-1/2" (1050 x 800mm)
- 7.5HP / 3PH
- Electronic motor brake

Specifications:

Model	YL-635T	YL-635TS
Spindle diameter	3/4", 1", 1-1/4", 1-3/8" (19, 25.4, 30, 35mm)	
Spindle speed	3,000, 4,500, 7,500, 10,000 rpm	
Taper of spindle	MK5	
Spindle motor	7.5HP / 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	41-3/8" x 31-1/8" (1050 x 800mm)	
Table height	35-1/2" (900mm)	
Sliding table size	-	1050 x 250mm
Sliding table travel	-	38" (970mm)
Fence size	127 x 425mm x 2pcs	
N.W.	500kgs	545kgs
G.W.	576kgs	621kgs
Packing dimensions	48"(L) x 37"(W) x 50"(H)	48"(L) x 46"(W) x 50"(H)

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



SPECIAL BACKWARD TILTING SPINDLE

- The spindle can be tilted 45° backward and 5° frontward.
- The spindle is specially designed with backward tilting, allowing cutter to be mounted at a lower position for increased stability and safety.

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

735 series

Outstanding Features

INTERCHANGEABLE SPINDLES:

Choice of 4 spindle diameters (1", 1-1/4", 1-3/8", 1-1/2" or in metric sizes 25.4mm, 30mm, 35mm, 40mm). 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 7" (180mm).

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 3 or 5 insert rings permitting use of a wide variety of shaper cutters. Maximum insert opening diameter is 13-1/4", allowing use of insert cutterheads.

FENCE:

Precision machined fence provides the accuracy demanded in complex shaping applications. The fences are supported by a massive cast iron body and integrated with a 5" dust outlet.

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.

FOOT SPINDLE BRAKE:

Treadle plate provides instant stop of the running spindle after shutting off the power.

FOOT SPINDLE LOCK:

The spindle is foot treadle locked for convenient cutter and spindle change.

Specifications:

Model	YL-735M	YL-735T	YL-735MS	YL-735TS
Spindle diameter	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)			
Spindle travel	7" (180mm)			
Tilting angle	—	-5°~0°~+45°	—	-5°~0°~+45°
Spindle speeds	3000 / 4500 / 7500 / 10000 rpm (4 Speeds)			
Spindle taper	MK5			
Table size	36-1/2" x 48" (930 x 1220mm)			
Sliding table size	—	13" x 48" (330 x 1220mm)		
Sliding table stroke	—	46" (1170mm)		
Table insert opening diameters (735M/MS)	Ø3-15/16", 6-3/4", 8-1/4", 10-1/4", 13-1/4" (100, 170, 210, 260, 336mm)			
Table insert opening diameters (735T/TS)	Ø8-1/4", 10-1/4", 13-1/4" (210, 260, 336mm)			
Spindle capacity under nut	4", 5-1/2", 5-1/2", 5-1/2" (1", 1-1/4", 1-1/2", 1-3/8" spindle)			
Table height	35-1/2" (900mm)			
Fence size	146 x 600mm x 2pcs			
Motor horsepower	7.5 HP / 3PH (10HP / 3PH optional)			
N.W.	610kgs	680kgs	680kgs	720kgs
G.W.	680kgs	760kgs	750kgs	800kgs
Packing dimensions	53"(L) x 42"(W) x 51"(H)	53"(L) x 52"(W) x 51"(H)	53"(L) x 42"(W) x 51"(H)	53"(L) x 52"(W) x 51"(H)

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

Standard Equipment:

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

Optional Equipment:

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



YL-735M

- Fixed table model
- Table area 36-1/2" x 48" (930 x 1220mm)
- 7.5HP / 3PH motor (10HP / 3PH opt.)



YL-735MS

- Sliding table model
- Table area 36-1/2" x 48" (930 x 1220mm)
- 7.5HP / 3PH motor (10HP / 3PH opt.)



YL-735T

- Tilting spindle model
- Table area 36-1/2" x 48" (930 x 1220mm)
- 7.5HP / 3PH motor (10HP / 3PH opt.)



YL-735TS

- Tilting spindle with sliding table model
- Table area 36-1/2" x 48" (930 x 1220mm)
- 7.5HP / 3PH motor (10HP / 3PH opt.)

www.routmac.com

INDUSTRIAL SPINDLE SHAPER

735series

Specifications:

Model	YL-735L
Spindle diameter	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)
Spindle travel	7" (180mm)
Spindle speeds	3000 / 4500 / 7500 / 10000 rpm (4 Speeds)
Spindle taper	MK5
Table size	39" x 88" (980 x 2235mm) (with extension wings)
Table insert opening diameters	Ø3-15/16", 6-3/4", 8-1/4", 10-1/4", 13-1/4" (100, 170, 210, 260, 335mm)
Table height	35-1/2" (900mm)
Fence size	146 x 600mm x 2pcs
Motor horsepower	7.5HP / 3PH (10HP / 3PH optional)
N.W.	725kgs
G.W.	810kgs
Packing dimensions	91"(L) x 44"(W) x 51"(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.
- 5 Table inserts
- Precision fence with 5" dust outlet
- Parts & Operations Books
- Service tool kit

Optional Equipment:

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



YL-735L

BASIC SPINDLE SHAPER WITH TENONER TABLE

- The unit is identical to the LS-735M but is equipped with a 88" long tenoning table for maximum support of large parts and doors.
- Telescopic front table extension wing facilitates maximum support of large doors, panels and timbers. (Extends to 28" from the main shaper table)

8000series

Outstanding Features

USER-FRIENDLY DIGITAL CONTROL

DIGITAL POSITION CONTROL

The digital position control is used together with powered spindle elevation, providing fast, convenient and accurate spindle positioning.



CENTRALIZED CONTROL PANEL

All of the machine controls are centralized on the control panel for added operational convenience. Major control functions on the control panel include: spindle rev./forw. switch, amp. meter, volt meter and the optional digital position control.



POWERED SPINDLE ELEVATION

The spindle elevation is driven by a 1 HP motor, providing fast and convenient spindle positioning adjustment. A handwheel equipped on the front of the machine cabinet provides manual micrometric adjustment for spindle positioning. The spindle elevation distance is 170 mm.

ELEVATION LIMIT SWITCH

The spindle elevation stroke is equipped with two limit switches providing over-stroke protection.

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.
- 5 Table inserts (M/MS/MD/MSD), 3 Table inserts (T/TS)
- Precision fence with 5" dust outlet
- Parts & Operations Books
- Service tool kit

Optional Equipment:

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



YL-800MD

- Fixed table model
- With digital position control
- Table area 36-1/2" x 61" (920 mm x 1,550 mm)
- 10 HP / 3PH motor (15 HP / 3PH optional)
- Foot spindle brake
- Foot spindle lock



YL-800MSD

- Sliding table model
- With digital position control
- Table area 36-1/2" x 61" (920 mm x 1,550 mm)
- 10 HP / 3PH motor (15 HP / 3PH optional)
- Foot spindle brake
- Foot spindle lock

8000 series

Outstanding Features

INTERCHANGEABLE SPINDLES:

Choice of 4 spindle diameters (1", 1-1/4", 1-3/8", 1-1/2" or in metric sizes 25.4mm, 30mm, 35mm, 40mm). 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 6-5/8" (170mm).

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 3 or 5 insert rings permitting use of a wide variety of shaper cutters. Maximum insert opening diameter is 13-1/4", allowing use of insert cutterheads.

FENCE:

Precision machined fence provides the accuracy demanded in complex shaping applications. The fences are supported by a massive cast iron body and integrated with a 5" dust outlet.

EXTRA LARGE TABLE:

The increased table area provides solid support for big workpieces. The massive table is made from high quality, rib reinforced and temper heat treated cast-iron for 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.

FOOT SPINDLE BRAKE:

Treadle plate provides instant stop of the running spindle after shutting off the power.

FOOT SPINDLE LOCK:

The spindle is foot treadle locked for convenient cutter and spindle change.



YL-800M

- Fixed table model
- Table area 36-1/2" x 61" (920 mm x 1,550 mm)
- 10 HP / 3PH motor (15 HP / 3PH optional)
- Foot spindle brake
- Foot spindle lock



YL-800MS

- Sliding table model
- Table area 36-1/2" x 61" (920 mm x 1,550 mm)
- 10 HP / 3PH motor (15 HP / 3PH optional)
- Foot spindle brake
- Foot spindle lock



YL-800T

- Tilting spindle model
- Table area 36-1/2" x 61" (920 mm x 1,550 mm)
- 10 HP / 3PH motor (15 HP / 3PH optional)
- Foot spindle brake
- Foot spindle lock



YL-800TS

- Tilting spindle with sliding table model
- Table area 36-1/2" x 61" (920 mm x 1,550 mm)
- 10 HP / 3PH motor (15 HP / 3PH optional)
- Foot spindle brake
- Foot spindle lock

Specifications:

Model	YL-800M	YL-800MS	YL-800T	YL-800TS	YL-800MD	YL-800MSD
Spindle diameter	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)
Spindle travel	6-5/8" (170mm)	6-5/8" (170mm)	6-5/8" (170mm)	6-5/8" (170mm)	6-5/8" (170mm)	6-5/8" (170mm)
Tilting angle	—	—	-5° - 0° - +45°	-5° - 0° - +45°	—	—
Spindle speeds	3000/4500/7500/10000 rpm (4 Speeds)	3000/4500/7500/10000 rpm (4 Speeds)	3000/4500/7500/10000 rpm (4 Speeds)	3000/4500/7500/10000 rpm (4 Speeds)	3000/4500/7500/10000 rpm (4 Speeds)	3000/4500/7500/10000 rpm (4 Speeds)
Spindle taper	MK5	MK5	MK5	MK5	MK5	MK5
Table size	36-1/2" x 61" (920mm x 1550mm)	36-1/2" x 61" (920mm x 1550mm)	36-1/2" x 61" (920mm x 1550mm)	36-1/2" x 61" (920mm x 1550mm)	36-1/2" x 61" (920mm x 1550mm)	36-1/2" x 61" (920mm x 1550mm)
Sliding table size	—	13" x 61"	—	13" x 61"	—	13" x 61"
Sliding table stroke	—	54"	—	54"	—	54"
Table insert opening diameters	3-15/16", 6-3/4", 8-1/4", 10-1/4", 13-1/4" (100, 170, 210, 260, 335mm)	3-15/16", 6-3/4", 8-1/4", 10-1/4", 13-1/4" (100, 170, 210, 260, 335mm)	8-1/4", 10-1/4", 13-1/4" (210, 260, 335mm)	8-1/4", 10-1/4", 13-1/4" (210, 260, 335mm)	3-15/16", 6-3/4", 8-1/4", 10-1/4", 13-1/4" (100, 170, 210, 260, 335mm)	3-15/16", 6-3/4", 8-1/4", 10-1/4", 13-1/4" (100, 170, 210, 260, 335mm)
Spindle capacity under nut	4", 5-1/2", 5-1/2", 5-1/2" (1", 1-1/4", 1-1/2", 1-3/8" Spindle)	4", 5-1/2", 5-1/2", 5-1/2" (1", 1-1/4", 1-1/2", 1-3/8" Spindle)	4", 5-1/2", 5-1/2", 5-1/2" (1", 1-1/4", 1-1/2", 1-3/8" Spindle)	4", 5-1/2", 5-1/2", 5-1/2" (1", 1-1/4", 1-1/2", 1-3/8" Spindle)	4", 5-1/2", 5-1/2", 5-1/2" (1", 1-1/4", 1-1/2", 1-3/8" Spindle)	4", 5-1/2", 5-1/2", 5-1/2" (1", 1-1/4", 1-1/2", 1-3/8" Spindle)
Table height	35-1/2"	35-1/2"	35-1/2"	35-1/2"	35-1/2"	35-1/2"
Fence size (L x W)	146mm x 600 mm x 2pcs	146mm x 600mm x 2pcs	146mm x 600mm x 2pcs	146mm x 600mm x 2pcs	146mm x 600mm x 2pcs	146mm x 600mm x 2pcs
Motor horsepower	10HP/3PH (15HP/3PH Opt.)	10HP/3PH (15HP/3PH Opt.)	10HP/3PH (15HP/3PH Opt.)	10HP/3PH (15HP/3PH Opt.)	10HP/3PH (15HP/3PH Opt.)	10HP/3PH (15HP/3PH Opt.)
N.W.	720kgs	745kgs	745kgs	840kgs	745kgs	775kgs
G.W.	820kgs	845kgs	845kgs	940kgs	845kgs	875kgs
Packing dimensions	65"(L) x 42"(W) x 52"(H)	65"(L) x 42"(W) x 52"(H)	65"(L) x 52"(W) x 52"(H)	65"(L) x 52"(W) x 52"(H)	65"(L) x 46"(W) x 52"(H)	65"(L) x 46"(W) x 52"(H)

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

2070 series

Outstanding Features

INTERCHANGEABLE SPINDLES:

Choice of 4 spindle diameters (1", 1-1/4", 1-3/8", 1-1/2" or in metric sizes 25.4mm, 30mm, 35mm, 40mm). 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 6-5/8" (170mm).

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 5 insert rings (3-15/16", 6-3/4", 8-1/4", 10-1/4", 13-1/4") permitting use of a wide variety of shaper cutters.

EXTRA LARGE TABLE:

The increased table area provides solid support for big workpieces. The massive table is made from high quality, rib reinforced and temper heat treated cast-iron for 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.

FOOT SPINDLE BRAKE:

Treadle plate provides instant stop of the running spindle after shutting off the power.

FOOT SPINDLE LOCK:

The spindle is foot treadle locked for convenient cutter and spindle change.



YL-2070

- Fixed table model
- Two spindle configuration
- Table area 61" x 37-3/4" (1550mm x 960 mm)
- 7.5HP / 3PH motor x 2
- Foot spindle brake
- Foot spindle lock



YL-2070S

- Sliding table model
- Two spindle configuration
- Table area 61" x 37-3/4" (1550mm x 960 mm)
- 7.5HP / 3PH motor x 2
- Foot spindle brake
- Foot spindle lock

DOUBLE SPINDLE SHAPER

Specifications:

Model	YL-2070	YL-2070S
Spindle diameter	1", 1-1/4", 1-3/8", 1-1/2" (25.4, 30, 35, 40mm)	
Spindle travel	6-5/8" (170mm)	
Spindle capacity under nut	4", 5-1/2", 5-1/2", 5-1/2" (1", 1-1/4", 1-3/8", 1-1/2" spindle)	
Spindle speeds	3000 / 4500 / 7500 / 10000 rpm (4 Speeds)	
Spindle taper	MK5	
Sliding table size	—	60-3/4" x 12"
Sliding table stroke	—	55-1/8" (1400mm)
Distance between spindle	27-1/2" (700mm)	27-1/2" (700mm)
Table size	61" x 37-3/4" (1550mm x 960mm)	61" x 37-3/4" (1550mm x 960mm)
Table insert opening diameters	Ø100, Ø170, Ø210, Ø260, Ø335mm	Ø100, Ø170, Ø210, Ø260, Ø335mm
Table height	35-1/2"	35-1/2"
Motor horsepower	7.5HP / 3PH x 2 (10HP / 3PH optional)	7.5HP / 3PH x 2 (10HP / 3PH optional)
N.W.	910kgs	970kgs
G.W.	1030kgs	1090kgs
Packing dimensions	67-1/2" x 53" x 53"	67-1/2" x 53" x 53"

* 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.
- 5 Table inserts
- 5" Dust outlet x 2pcs
- Parts & Operations Books
- Service tool kit

Optional Equipment:

- Digital display
- Routing operation
- Optional spindle size available
- Precision cast iron and aluminum fence



PRECISION CAST IRON AND ALUMINUM FENCE

The 2070 series can be fitted with a precision cast iron and aluminum fence to perform independent spindle shaping operations (Along with 4" dust outlet x 1pc).

Outstanding Features

Standard Equipment:



RIGID, PRECISION SPINDLE:
The spindle assembly is carefully designed and manufactured to assure high precision and excellent cutting stability. Dynamically balanced for extra smooth running at high speed.

The spindle is supported by 4 class C3 ball bearings for outstanding rigidity and stability.

INTERCHANGEABLE SPINDLES:
Choice of several spindle diameters. Spindle has MK5 taper to ensure precision fitting and allow quick changeover.



QUICK SPINDLE SPEED CHANGE:
The spindle is driven by 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.



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.

100% Quality Inspection for Excellence

Superb Machine Stiffness

RUGGEDLY CONSTRUCTED THROUGHOUT FOR MAXIMUM STABILITY

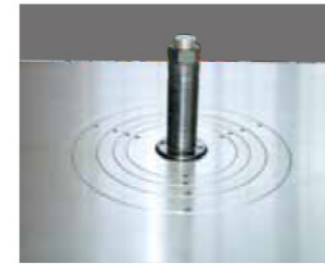


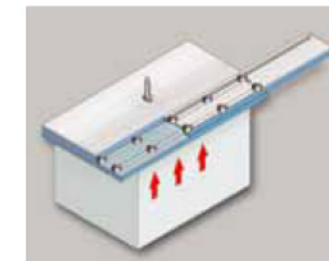
TABLE INSERTS:
The spindle is fitted with several insert rings permitting use of a wide variety of shaper cutters.



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



FENCE:
Cast aluminum alloy fence halves are precision machined. The fence assembly is attached with a 4" or 5" diameter outlet dust hood. The fence halves can be precision adjusted by micrometric adjustment knob.



EXCLUSIVE BEARING SUPPORT ON SLIDING TABLE:
The sliding table is equipped with bearings for full-support on the entire stroke without any overhang problem. Feed accuracy of sliding table is 0.002".



FOOT SPINDLE BRAKE:
Treadle plate provides instant stop of the running spindle after shutting off the power.
FOOT SPINDLE LOCK:
The spindle is foot treadle locked for convenient cutter and spindle change.

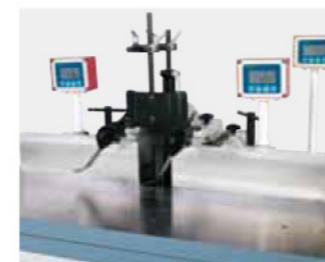


EXTRA LARGE TABLE:
The increased table area provides solid support for big workpieces. The massive table is made from high quality, rib reinforced and temper heat treated cast-iron for wear resistance. Table surface is precision ground and polished.



ANGLE MITER GAUGE ASSEMBLY (5 model):
* For straight and tilted operations.
* The miter gauge assembly is equipped with 1m long fence with swing stop.

Optional Equipment:



DIGITAL DISPLAY
These displays accurately indicate spindle elevation, spindle angle and fence position.

ROUTING OPERATION
The MK5 taper on the spindle accepts a router collet system, providing maximum flexibility all in one shaping and routing machine.



SPINDLE FRONT GUARD:
The spindle front steel guard provides a great protection during cutting. The guard can be adjusted in up/down and front/back directions to suit various sizes of cutter.