

YL-12120/12100/1280/1260

A Super Heavy-Duty Series of Models

Especially ideal for the handling and cutting of large parts.



CUTTERHEAD

The spindle is mounted on precision bearings enclosed in a cast iron housing. The unique design of the interchangeable spindle permits clockwise or counterclockwise rotation upon replacing the spindle. The rugged construction of the cutterhead provides a large capacity for cutting hardwood materials.



This series of models, featuring heavy-duty construction throughout, are specialists for the production of large and medium size table tops. Designed with 2 cutterheads for the smooth cutting of components, with secure holding of the workpiece. Model DT-12100 provides a heavy-duty cutting capability up to 100" in diameter and the DT-12120 up to 120" in diameter. The variable table rotation speed ensures optimum output, no matter what the shape or variety of the component.

- Maximum diameter of cut
YL-12120: Ø120" YL-1280: Ø80"
YL-12100: Ø100" YL-1260: Ø60"
- Single table
- Double cutterhead

SPECIFICATIONS:

MODEL	YL-12120	YL-12100	YL-1280	YL-1260
Range of cutting diameter	28"-120"	24"-100"	20"-80"	16"-60"
Maximum rectangular cutting (2:1)	107.4" x 53.7"	89.2" x 44.6"	71.4" x 35.7"	53.4" x 26.7"
Table diameter	82"	72"	62"	46"
Table rotation speed (Infinitely variable)	0.5-3 RPM	0.5-3 RPM	0.5-3 RPM	0.5-3 RPM
Spindle speed	9000 RPM	9000 RPM	9000 RPM	9000 RPM
Spindle diameter (Interchangeable)	1", 30 mm, 1-1/4" (One dia furnished)	1", 30 mm, 1-1/4" (One dia furnished)	1", 30 mm, 1-1/4" (One dia furnished)	1", 30 mm, 1-1/4" (One dia furnished)
Cutter size	100 mm	100 mm	100 mm	100 mm
Follower roller diameter	100 mm	100 mm	100 mm	100 mm
Table drive motor	3 HP x 1	3 HP x 1	2 HP x 1	2 HP x 1
Spindle drive motor	15 HP x 2	10 HP x 2	10 HP x 2	10 HP x 2
Net weight	5100 kgs	4000 kgs	3050 kgs	2350 kgs
Gross weight	6150 kgs	4900 kgs	3850 kgs	2850 kgs
Packing size	156" x 91" x 81"	130" x 90" x 81"	108" x 89" x 77"	91" x 76" x 81"

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



YL-12120S/12100S/1280S/1260S

A Super Heavy-Duty Series of Models

Automatic Copy Shaper Edge Sander
Combined in a single unit

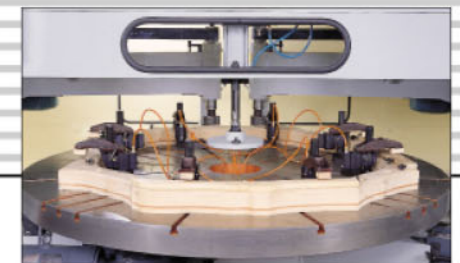
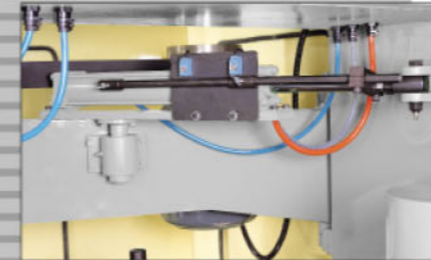
EDGE SANDING ATTACHMENT

Designed and engineered for efficient, highly productive and time saving performance, the EXCELLENT edge sanding attachment, used with a copy shaper, provides a perfect finish for chair legs, table tops, and other curved edge furniture components. With this attachment, flat, curved and intricate profiles can be easily sanded after shaping, reducing the handling time for sanding operations and increasing the efficiency of your production.



CUTTERHEAD FEED

The cutterhead feed is designed to automatically slow down as the cutterhead approaches the workpiece, ensuring that no bumping occurs and that the workpiece is free of marks at the starting point. This feature helps to achieve an exceptionally smooth finish.



CLAMPING SYSTEM

- Models over 80" cutting capacity are furnished with 8pcs of automatic air clamps as standard to permit multi-station working.
- A center clamp is also provided for single station working.
- Increased number of automatic air clamps is optional.
- Models with less than 80" cutting capacity are not supplied with automatic air clamp.

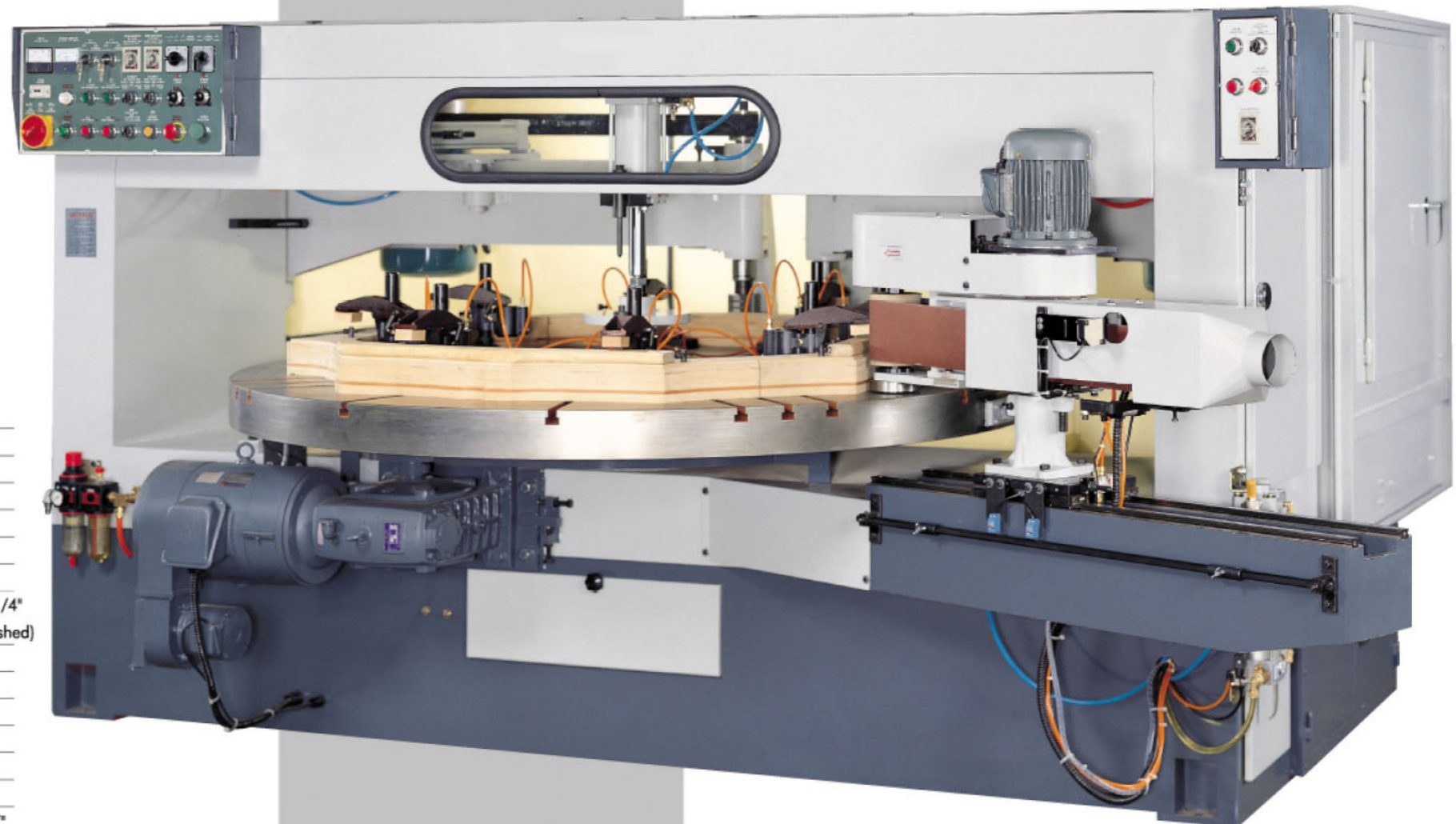
- Maximum diameter of cut
YL-12120S: Ø120" YL-1280S: Ø80"
YL-12100S: Ø100" YL-1260S: Ø60"
 - Range of sanding diameter
YL-12120S: Ø60-120" YL-1280S: Ø36-80"
YL-12100S: Ø48-100" YL-1260S: Ø24-60"
 - Single table
 - Double cutterhead
 - With edge sanding attachment
- Sanding belt size 5' x 71"
Sanding belt speed (2 speeds)..... 400 / 870 M/min
Sanding belt drive motor..... 2 HP
Contact wheel diameter..... 110 mm dia.
Sanding head vertical adjustment..... 30 mm
Spindle diameter..... 1" dia.



SPECIFICATIONS:

MODEL	YL-12120S	YL-12100S	YL-1280S	YL-1260S
Range of cutting diameter	28"-120"	24"-100"	20"-80"	16"-60"
Maximum rectangular cutting (2:1)	107.4" x 53.7"	89.2" x 44.6"	71.4" x 35.7"	53.4" x 26.7"
Table diameter	82"	72"	62"	46"
Table rotation speed (Infinitely variable)	0.5-3 RPM	0.5-3 RPM	0.5-3 RPM	0.5-3 RPM
Spindle speed	9000 RPM	9000 RPM	9000 RPM	9000 RPM
Spindle diameter (Interchangeable)	1", 30 mm, 1-1/4" (One dia furnished)	1", 30 mm, 1-1/4" (One dia furnished)	1", 30 mm, 1-1/4" (One dia furnished)	1", 30 mm, 1-1/4" (One dia furnished)
Cutter size	100 mm	100 mm	100 mm	100 mm
Follower roller diameter	100 mm	100 mm	100 mm	100 mm
Table drive motor	3 HP x 1	3 HP x 1	2 HP x 1	2 HP x 1
Spindle drive motor	15 HP x 2	10 HP x 2	10 HP x 2	10 HP x 2
Net weight	5500 kgs	4350 kgs	3350 kgs	2600 kgs
Gross weight	6750 kgs	5350 kgs	4200 kgs	3150 kgs
Packing size	164" x 91" x 82"	149" x 90" x 80"	131" x 89" x 77"	119" x 83" x 77"

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YL-1172, YL-1162

Continuous multi-station working...
High production capability!

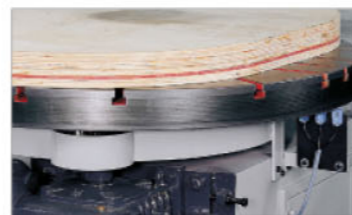


- Maximum diameter of cut
YL-1172: Ø72"
YL-1162: Ø62"
- Single table
- Single cutterhead

SPECIFICATIONS:

MODEL	YL-1172	YL-1162
Range of cutting diameter	10"-72"	10"-62"
Maximum rectangular cutting (2:1)	64.2" x 32.1"	55.2" x 27.6"
Table diameter	46"	46"
Table rotation speed (Auto variable)	1-3 RPM	1-3 RPM
Spindle speed	9000 RPM	9000 RPM
Spindle diameter (Interchangeable)	1", 30 mm, 1-1/4" (One dia furnished)	1", 30 mm, 1-1/4" (One dia furnished)
Cutter size	100 mm	100 mm
Follower roller diameter	100 mm	100 mm
Table drive motor	2 HP x 1	2 HP x 1
Spindle drive motor	10 HP x 1	10 HP x 1
Net weight	1450 kgs	1350 kgs
Gross weight	1900 kgs	1770 kgs
Packing size	86" x 75" x 81"	73" x 66" x 80"

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VARIABLE TABLE DRIVE

The infinitely variable table speed permits operations at a wide range of speeds. This allows the feed rate to be adjusted according to the stock thickness and component shape, to give optimum output.

YL-1272, YL-1262

Continuous multi-station working...
High production capability!



- Maximum diameter of cut
YL-1272: Ø72"
YL-1262: Ø62"
- Single table
- Double cutterhead

SPECIFICATIONS:

MODEL	YL-1272	YL-1262
Range of cutting diameter	10"-72"	10"-62"
Maximum rectangular cutting (2:1)	64.2" x 32.1"	55.2" x 27.6"
Table diameter	46"	46"
Table rotation speed (Auto variable)	1-3 RPM	1-3 RPM
Spindle speed	9000 RPM	9000 RPM
Spindle diameter (Interchangeable)	1", 30 mm, 1-1/4" (One dia furnished)	1", 30 mm, 1-1/4" (One dia furnished)
Cutter size	100 mm	100 mm
Follower roller diameter	100 mm	100 mm
Table drive motor	2 HP x 1	2 HP x 1
Spindle drive motor	10 HP x 2	10 HP x 2
Net weight	1700 kgs	1600 kgs
Gross weight	2200 kgs	2050 kgs
Packing size	112" x 89" x 80"	88" x 83" x 80"

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CLAMPING SYSTEM

- Models over 80" cutting capacity are furnished with 8pcs of automatic air clamps as standard to permit multi-station working.
- A center clamp is also provided for single station working.
- Increased number of automatic air clamps is optional.
- Models with less than 80" cutting capacity are not supplied with automatic air clamp.

YL-1136, YL-1128

Economical model series



- Maximum diameter of cut
YL-1136: Ø36"
YL-1128: Ø28"
- Single table
- Single cutterhead

SPECIFICATIONS:

MODEL	YL-1136	YL-1128
Range of cutting diameter	4"-36"	3"-28"
Maximum rectangular cutting (2:1)	32" x 16"	25" x 12.5"
Table diameter	26"	18"
Table rotation speed (Auto variable)	1.5-4 RPM	1.5-4 RPM
Spindle speed	8000 RPM	8000 RPM
Spindle diameter	1", 30 mm, 1-1/4"	1", 30 mm, 1-1/4"
Cutter size	100 mm	100 mm
Follower roller diameter	100 mm	100 mm
Table drive motor	1 HP x 1	1 HP x 1
Spindle drive motor	7-1/2 HP x 1	7-1/2 HP x 1
Net weight	870 kgs	760 kgs
Gross weight	1120 kgs	960 kgs
Packing size	62" x 62" x 77"	54" x 54" x 77"

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YL-1236, YL-1228

Economical model series

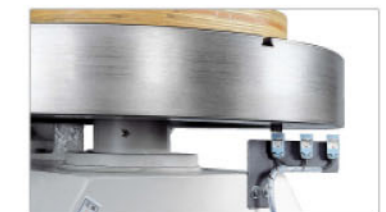


- Maximum diameter of cut
YL-1236: Ø36"
YL-1228: Ø28"
- Single table
- Double cutterhead

SPECIFICATIONS:

MODEL	YL-1236	YL-1228
Range of cutting diameter	4"-36"	3"-28"
Maximum rectangular cutting (2:1)	32" x 16"	25" x 12.5"
Table diameter	26"	18"
Table rotation speed (Auto variable)	1.5-4 RPM	1.5-4 RPM
Spindle speed	8000 RPM	8000 RPM
Spindle diameter	1", 30 mm, 1-1/4"	1", 30 mm, 1-1/4"
Cutter size	100 mm	100 mm
Follower roller diameter	100 mm	100 mm
Table drive motor	1 HP x 1	1 HP x 1
Spindle drive motor	7-1/2 HP x 2	7-1/2 HP x 2
Net weight	1070 kgs	960 kgs
Gross weight	1390 kgs	1190 kgs
Packing size	73" x 64" x 80"	66" x 58" x 78"

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AUTOMATIC TABLE SPEED VARIATION

This allows the feed rate to be adjusted according to the stock thickness and component shape, to give optimum output.

YL-1162S, YL-1136S, YL-1128S

Economical edge sander model series

- Maximum diameter of cut
YL-1162S: Ø62"
YL-1136S: Ø36"
YL-1128S: Ø28"
- Single table
- Single cutterhead



Sanding belt size 5" x 71"
Sanding belt speed (2 speeds)..... 400 / 870 M/min
Sanding belt drive motor..... 2 HP
Contact wheel diameter..... 110 mm dia.
Sanding head vertical adjustment..... 30 mm
Spindle diameter..... 1" dia.

SPECIFICATIONS:

MODEL	YL-1162S	YL-1136S	YL-1128S
Range of cutting diameter	10"-62"	4"-36"	4"-28"
Range of sanding diameter	16"-62"	8"-36"	6"-28"
Maximum rectangular cutting (2:1)	55.2" x 27.6"	32" x 16"	25" x 12.5"
Table diameter	46"	26"	18"
Table rotation speed (Auto variable)	1-3 RPM	1.5-4 RPM	1.5-4 RPM
Spindle speed	9000 RPM	8000 RPM	8000 RPM
Spindle diameter	1", 30 mm, 1-1/4"	1", 30 mm, 1-1/4"	1", 30 mm, 1-1/4"
Cutter size	100 mm	100 mm	100 mm
Follower roller diameter	100 mm	100 mm	100 mm
Table drive motor	2 HP	1 HP	1 HP
Spindle drive motor	10 HP x 1	7-1/2 HP x 1	7-1/2 HP x 1
Sanding belt size	5" x 71"	5" x 71"	5" x 71"
Net weight	1500 kgs	970 kgs	840 kgs
Gross weight	1970 kgs	1220 kgs	1050 kgs
Packing size	92" x 85" x 80"	88" x 76" x 77"	80" x 68" x 77"

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EDGE SANDING ATTACHMENT

Designed and engineered for efficient, highly productive and time saving performance, the EXCELLENT edge sanding attachment, used with a copy shaper, provides a perfect finish for chair legs, table tops, and other curved edge furniture components. With this attachment, flat, curved and intricate profiles can be easily sanded after shaping, reducing the handling time for sanding operations and increasing the efficiency of your production.

YL-1136P, YL-1128P

Built with side pressure plate for fast, accurate positioning.

- Maximum diameter of cut
YL-1136P: Ø36"
YL-1128P: Ø28"
- Single table
- Single cutterhead
- **With side pressure plate**



SPECIFICATIONS:

MODEL	YL-1136P	YL-1128P
Range of cutting diameter	4"-30"	3"-22"
Maximum rectangular cutting (2:1)	26.8" X 13.4"	19.6" X 9.8"
Table diameter	26"	18"
Table rotation speed (Auto variable)	1.5-4 RPM	1.5-4 RPM
Spindle speed	8000 RPM	8000 RPM
Spindle diameter	1", 30 mm, 1-1/4"	1", 30 mm, 1-1/4"
Cutter size	100 mm	100 mm
Follower roller diameter	100 mm	100 mm
Table drive motor	1 HP x 1	1 HP x 1
Spindle drive motor	7-1/2 HP x 1	7-1/2 HP x 1
Net weight	950 kgs	830 kgs
Gross weight	1240 kgs	1060 kgs
Packing size	81" x 74" x 77"	68" x 64" x 77"

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SIDE PRESSURE PLATE

A side pressure plate can be supplied as optional equipment to provide secure positioning of the workpiece. The side pressure plate can be built on the standard cutterhead models.

YL-2236, YL-2228

A High-efficiency performer

- Maximum diameter of cut
YL-2236: Ø36"
YL-2228: Ø28"
- Double tables
- Double cutterheads



SPECIFICATIONS:

MODEL	YL-2228	YL-2236
Range of cutting diameter	3"-28"	4"-36"
Maximum rectangular cutting (2:1)	25" X 12.5"	32" X 16"
Table diameter	18"	26"
Table rotation speed (Auto variable)	1.5-4 RPM	1.5-4 RPM
Spindle speed	8000 RPM	8000 RPM
Spindle diameter	1", 30 mm, 1-1/4"	1", 30 mm, 1-1/4"
Cutter size	100 mm	100 mm
Follower roller diameter	100 mm	100 mm
Table drive motor	1 HP x 2	1 HP x 2
Spindle drive motor	7-2/1 HP x 2	7-1/2 HP x 2
Net weight	1750 kgs	2050 kgs
Gross weight	2030 kgs	2400 kgs
Packing size	114" x 59" x 80"	122" x 61" x 82"

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A High-efficiency performer

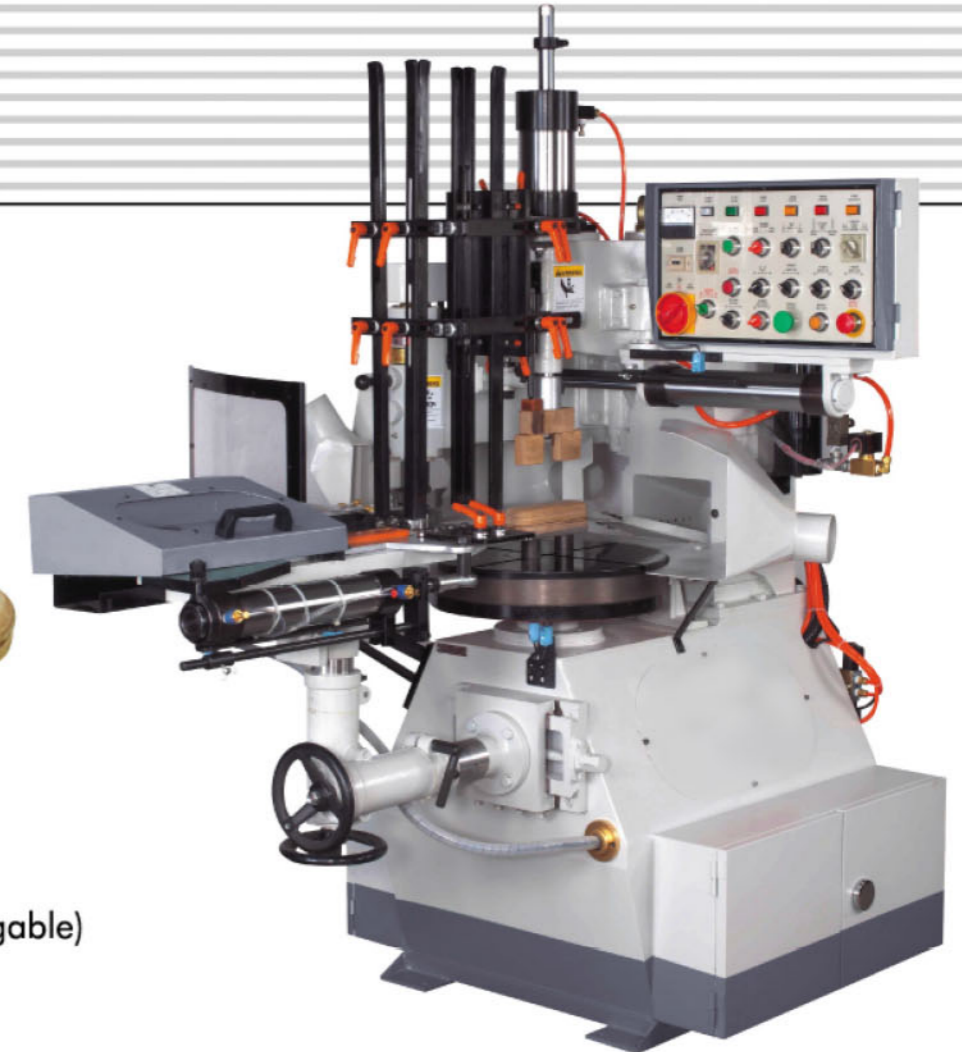
This series of machines are designed with two tables and two cutterheads in a single unit for a minimum of downtime and extremely high efficiency. These machines are especially ideal for cutting out symmetrical shapes such as wooden shoes, wooden sleepers, and similar products.

YL-1128A

Auto copyshaper with feeding system



- Shaping Capacity
YL-1128A: 1" to 6" (changable)



SPECIFICATIONS:

MODEL	YL-1128A
Range of cutter diameter	1" to 6" (changable)
Table diameter	18"
Table speed	1.5~4.0 RPM (4 speeds)
Spindle diameter	30 mm
Spindle speed	9000 RPM
Cutter size	100 mm
Spindle height	4"
Follower roller diameter	100 mm x 1
Table drive motor	1 HP
Spindle motor	5 HP x 1
Working speed	5~6 times/minutes
Net weight	1000 kgs
Gross weight	1100 kgs
Packing size	230" x 160" x 210 cm

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- Convenient operation by PLC controller.
- Auto feed system - saves manpower greatly and reduces production time.

YL-1138, YL-1120

Internal Automatic Copy Shaper

FEATURES AND CONSTRUCTION:

- The machine is constructed with a single cutterhead and single table.
- The cutterhead is built in the machine base for maximum safety of cutting.
- The spindle is interchangeable. Spindle diameters of 1", 1 1/4" and 30mm. Specify spindle diameter when ordering.
- Router spindle is available upon request.
- Centralized control panel provides convenient operation of the machine.
- The table speed varies automatically for highly accurate internal cutting.
- The machine is air operated.
- The cutterhead feed is driven by a combination air/hydraulic system, eliminating the problem of the cutterhead bumping against the workpiece.
- The machine is rigidly constructed for maximum stability in heavy duty cutting.

- Maximum diameter of cut
YL-1120: Ø20"
YL-1138: Ø38"
- Min. diameter of cut Ø2"
- **Applicable material of cut:**
Wood, Acrylic, hard plastic, Bakelite, etc.



SPECIFICATIONS:

MODEL	YL-1138	YL-1120
Range of cutting diameter	4"-38"	2"-20"
Maximum rectangular cutting (2:1)	34" X 17"	20" X 10"
Table diameter	52"	27-1/2"
Table rotation speed (Auto variable)	1.5-4 RPM	1.5-4 RPM
Spindle speed	8000-16000 RPM	8000-16000 RPM
Spindle diameter	1", 30 mm, 1-1/4"	1", 30 mm, 1-1/4"
Cutter size	100 mm	100 mm
Follower roller diameter	100 mm	100 mm
Table drive motor	2 HP x 1	1 HP x 1
Spindle drive motor	10 HP x 1	7-1/2 HP x 1
Air pressure required	70 kg/cm ²	70 kg/cm ²
Net weight	1880 kgs	920 kgs
Gross weight	2080 kgs	1120 kgs
Packing size	85" x 66" x 87"	61" x 56" x 81"

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APPLICATIONS:

The DT-1120 is ideal for internal shaping of picture frames, toilet seats, clock frames, etc. It cuts the internal circular and arc profile of parts.

Quality features for peak performance



AUTOMATIC AIR CLAMP
Increased number of clamps is available upon request.



INTERCHANGEABLE PRECISION SPINDLE
The machine is built standard with a single size of spindle. Choice of 1", 1-1/4" and 30mm diameters. Specify spindle diameter when ordering.



CLAMPING SYSTEM

This machine is furnished with automatic air clamps as standard to permit multi-station working. A center clamp is also provided for single station working.



CUTTERHEAD

The spindle is mounted on precision bearings enclosed in a cast iron housing. The unique design of the interchangeable spindle permits clockwise or counterclockwise rotation upon replacing the spindle. The rugged construction of the cutterhead provides a large capacity for cutting hardwood materials.



VARIABLE TABLE DRIVE

The infinitely variable table speed permits operation at a wide range of speeds. This allows the feed rate to be adjusted according to the stock thickness and component shape, to give optimum output.



SIDE PRESSURE PLATE

A side pressure plate can be supplied as optional equipment to provide secure positioning of the workpiece. The side pressure plate can be built on the standard cutterhead models.



EDGE SANDING ATTACHMENT

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