

## YL-D100 • D200

# Double End Rectangular Tenoner



### YL -D100 / D200 A Profitable Performer !

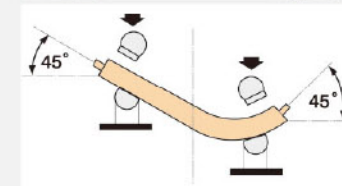
The YRT-D100 / D200 Double End Rectangular Tenoner from are designed and engineered to help you upgrade competition edge and create profits.

It produces tenons at both ends simultaneously for greatly increasing tenoning efficiency. The YRT-D100 / D200 provide a fully automatic operation and feature automatic workpiece infeed and outfeed for effortless operations. The machine is equipped with a high performance PLC control combined with touch sensing screen for easy learning and easy operation.

YRT-D100 / D200 are constructed by high quality parts for maximum dependability of performance year after year.

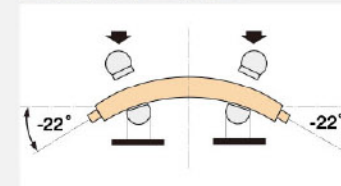
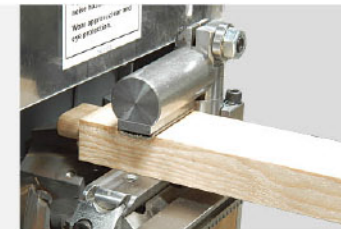
### Outstanding Features:

1. Equipped with a PLC control combined with touch sensing screen for user friendly operation.
2. Fully automatic tenoning operation greatly upgrades production output.
3. Cutting tenons at both ends simultaneously for greatly increasing efficiency and productivity.
4. Designed for producing rectangular and cylindrical tenons.
5. The machine is suitable for producing horizontal, vertical and mitered tenons.
6. Cutter feed speed is controlled by frequency inverter, allowing for variable speed change.
7. Equipped with an workpiece magazine for fully automatic operation.
8. workpiece feed slideways are equipped with precision linear motion guides,ensuring fast and stable feed motions.



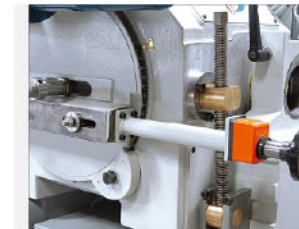
### Warpped Workpiece Tenoning

- The workpiece clamps at both sides are adjustable to suit workpiece warpping condition. This permits the machine to perform tenon cutting on a warpped workpiece.



Model	YL-D100	YL-D200
Length of cut	180-1500 mm	180-2000 mm
Spindle speed	9000 R.P.M.	9000 R.P.M.
Maximum tenon width	100+2R mm	100+2R mm
Maximum tenon depth	40 mm	40 mm
Minimum tenon depth	10 mm	10 mm
Maximum tenon thickness	30 mm	30 mm
Cutter drive motor	3 Kw x 2 (4 HP x 2)	3 Kw x 2 (4 HP x 2)
Rotation motor	0.75 Kw x 2 (1 HP x 2)	0.75 Kw x 2 (1 HP x 2)
Head position adjustment motor	1 Kw (1.5 HP)	1 Kw (1.5 HP)
Total horsepower	9 Kw	9 Kw
Dust hood outlet diameter	ø60 mm x 2 / ø100 mm x 2	ø60 mm x 2 / ø100 mm x 2
Net weight / Gross weight	2460 kg / 2915 kg	2680 kg / 3155 kg
Machine dimensions	3350 x 2000 x 1900 mm	3850 x 2000 x 1900 mm
packing dimensions	3520 x 2000 x 2100 mm	4020 x 2000 x 2100 mm

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



### Convenient Tenon Width Adjustment

- Tenon width adjustment is conveniently made by simply turning the adjustment knob. A mechanical meter is equipped for accurately indicating the width adjustment amount.



### Workpiece Magazine

- A magazine is equipped at front of the machine. Operator simply place workpieces into the magazine. then the machine will automatically perform workpiece feeding and tenon cutting, this provides maximum operation convenience and upgrades productivity.

- The finished products will automatically outfeed to the product rest, permitting operators to take products with ease.



### User-Friendly Control

The machine is equipped with a PLC for controlling the entire motion sequences. It combines with touch sensing screen, providing maximum operation convenience. An Amp.meter is provided on the control panel for indicating the loading condition on main motors. The controller provides major functions as below:

- Chinese/English display conversion.
- Selection of operation mode as manual, automatic, semi-automatic and fully automatic.
- malfunction indication
- Timing display
- Production quantity setting and display.



### Smooth Feed Motion

- The workpiece feed slideways are equipped with precision linear motion guides,providing fast and extremely smooth feed motions.

- Feed carriages at both sides are transmitted by a single shaft,ensuring synchronized travel.



YL-115

# Round End Tenoner

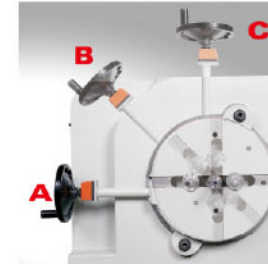
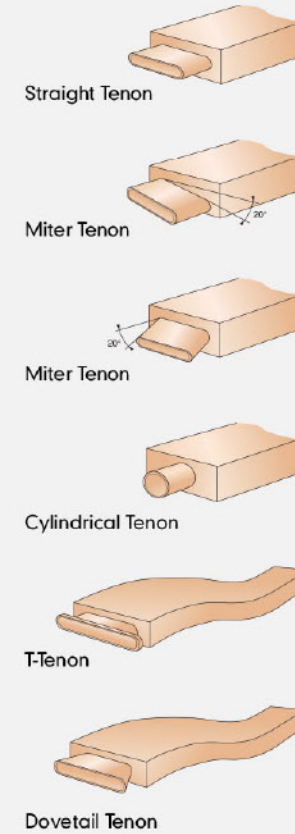
Quality Machine for Perfect Jointing Performance



## Outstanding Features:

1. Built with two tables for higher efficiency operations.  
High production rate up to 12 pcs per minute.
2. Pneumatically operated table longitudinal traverse.
3. Adjustable tenoning width.
4. The tenon without removing the door, depth can be conveniently adjusted.
5. Table tilts 20°.
6. Movable table to save time, and speed can be variable adjustment.
7. Convenient setup of tenon directions at horizontal, vertical and 45°.
8. Miter gauge provided on the table allows for cutting bevel tenons.
9. Oil bushings on the table support and the disk.
10. Centralized control panel provides convenient operations.
11. Designed for producing various types of tenon.
12. Variable table feed speed suits various types of wood material.

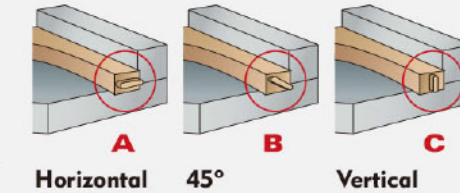
## THE YL-115 IS CAPABLE OF PRODUCING VARIOUS TENONS



## Convenient Setup Of Tenon Direction

Three tenon directions at horizontal, vertical and 45° can be fast changed by turning the positioning disk.

A mechanical meter is provided for high accuracy adjustment of tenon sizes.



## Model YL-115

Spindle speed	6000 R.P.M.
Maximum tenon width	115+2R mm

## Minimum tenon depth

with standard tool	10~45 mm
with special tools	6~90 mm
production rate	12 pcs/min.

## Table tilt

upward	0~15°
downward	0~30°
Side	0~20°

Spindle motor	5HP
Cutter cycle motor	1HP
Net weight	1100 kgs
Gross weight	1200 kgs
Machine size	1760x1150x1320 mm
Packing size	1870x1240x1620 mm

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



## Disk Speed Controlled by Frequency Inverter (Optional)

When requested, a frequency inverter can be applied to control disk speed. It permits variable speed adjustment for various type of wood material. This device is recommended when cutting plywood, MDF, and easily cracked panel.



## Variable Cutter Feed Speed

The machine employs two speed regulator knobs to adjust the table feed forward and backward speeds. Variable feed speeds makes the machine ideal for cutting hard and soft wood.



## Oilless Bushings

Eliminates the use of lubricator, the table support and the disk are equipped with oilless bushings. Manufactured from high tensile copper alloy for long service life, these bushings also feature impact resistance and maximum wear resistance.



## 24T Helical Cutterhead (optional)

1. Excellent for all soft and hard wood materials.
2. 360° cutting.
3. Fine chips.
4. No tearing.
5. Forced chip removing to eliminate repeated cutting.
6. Low noise, long service life, insert life up to 120 days.
7. 5 years warranty.



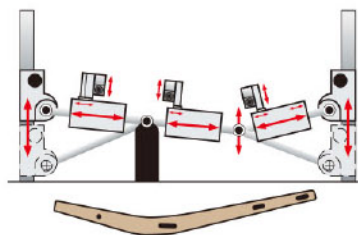
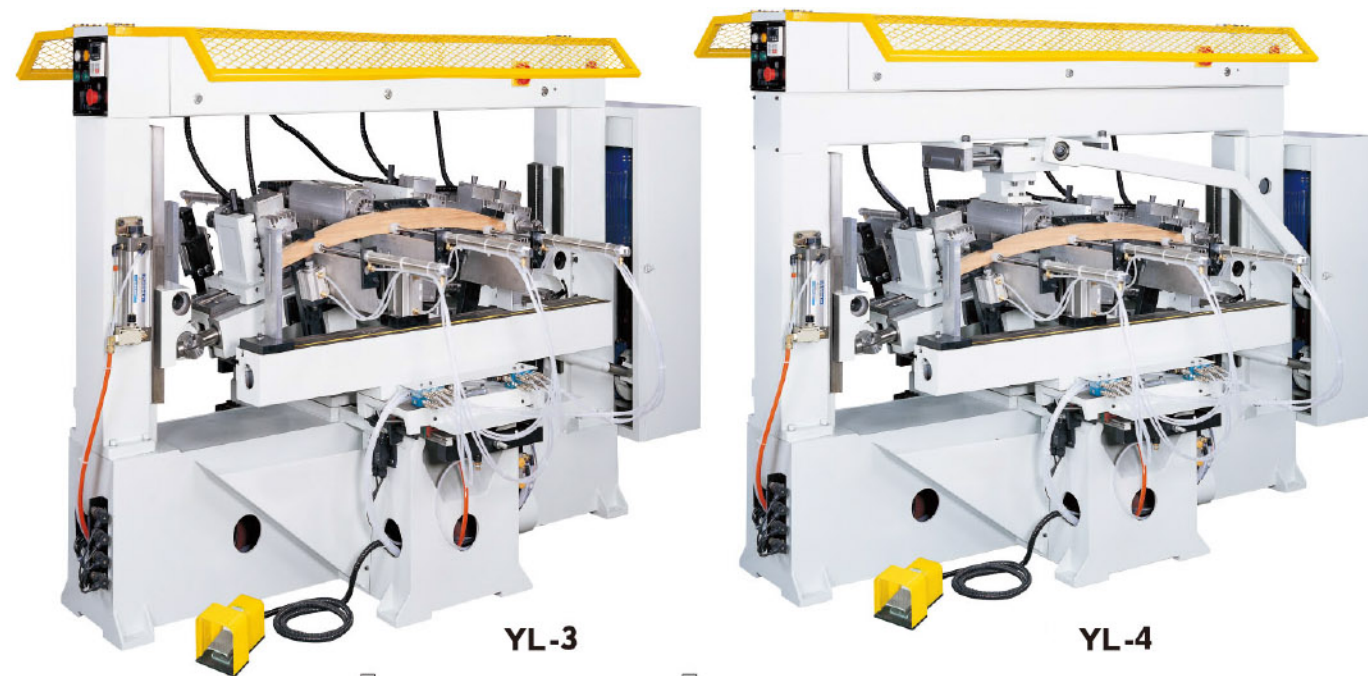
## Cutterhead Structure (Standard)

1. Suitable for medium hardness wood materials.
2. Production rate 12 pcs per minute.
3. Tearing may occur when applying for high hardness wood materials.
4. Sharpening frequency is 6-7 days of operation.

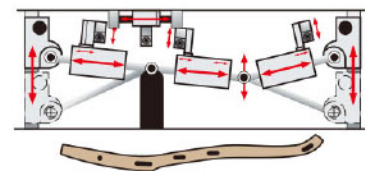


YL-3/4

# Multiple Spindle Oscillation Mortiser



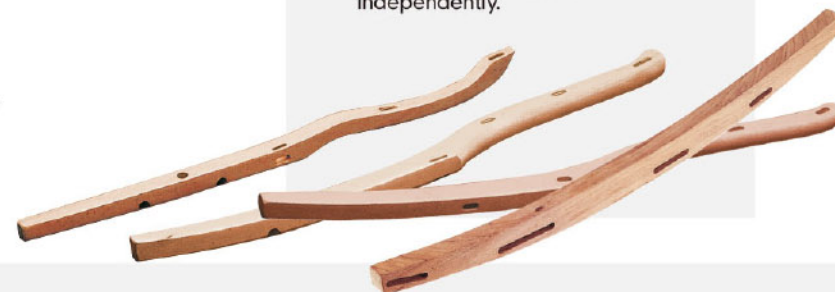
**YL-3** 3~6 Head Configuration  
• 3 sets tilting carriages



**YL-4** 4~6 Head Configuration  
• 3 sets tilting carriages  
• 1 set horizontal carriage

## Outstanding Features:

1. This highly productive mortiser is designed for producing various mortises simultaneously.
2. Flexible head combination to meet specific job requirements.
3. Double tables on front and back sides, permitting both sides operations for increased efficiency.
4. Cutter speeds are frequency inverter controlled, providing variable speeds change.
5. The entire operation motions are conveniently controlled by simply pressing the foot switch.
6. Each carriage is adjusted independently.
7. Two speeds cutter oscillation permits high/low speed change.
8. Carriages slide on big steel rods. High speed cutter oscillation features maximum stability.
9. Mortise width and depth are adjustable.
10. The machine is designed for both mortising and drilling functions.
11. Carriages are well constructed for adjusting mortise width independently.



Model	YL-3	YL-4
Numbers of carriage	3 sets	4 sets
Numbers of spindle	3~6 spindle	4~6 spindle
Max. mortise width	100 mm	100 mm
Max. mortise depth	50 mm	50 mm
Cutter diameter	ø6~ø25 mm	ø6~ø25 mm
Cutter shank diameter	ø16 mm	ø16 mm
Distance between spindles	90~1000 mm	90~1000 mm
Oscillation speed (2 speeds)	95 / 190 strokes	95 / 190 strokes
Spindle speeds	6000~12000 R.P.M.	6000~12000 R.P.M.
Tilted mortise angle	20°	20°
Spindle motor	1.8 HP	1.8 HP
Oscillation drive motor	1 HP	1 HP
Working air pressure	5~6 kg/cm²	5~6 kg/cm²
Dust hood outlet diameter	ø4"	ø4"
Net weight	1350 kgs	1450 kgs
Gross weight	1650 kgs	1750 kgs
Machine dimensions	2200x1420x1480 mm	2200x1420x1650 mm
Packing dimensions	2330x1600x1550 mm	2330x1510x1850 mm

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



## Mortising Head

- Mortising head is directly driven by an independent 1.8HP motor. Two cutters fitted on both ends of spindle perform both sides mortising simultaneously.
- Mortising head position can be adjusted in right/left, up/down directions.
- Collet chuck clamps /unclamps the cutter for quick tool change.



## Carriage

- The machine is constructed of three tilting carriages and one horizontal carriage. Each carriage can be fitted with one or two mortising head as customer's requirement.
- Each carriage can be tilted independently. Maximum tilting angle is 20°.
- Picture shown model YOM-4 is equipped with three tilting carriages and one horizontal carriage.



## Variable Cutter Speed

- The cutter running is controlled by a high performance frequency inverter, permitting for variable speeds adjustment. Wide speed range is from 6,000 to 12,000 RPM.



## Control Panel

- All of machine motions are grouped in one control panel for operation convenience, including cutter oscillation, motor ON/OFF control, and clamping cylinder control etc.



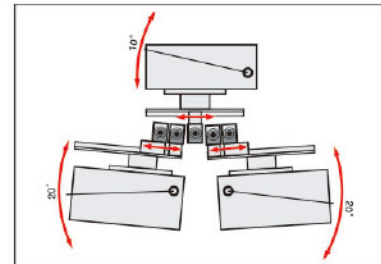
## Independent Mortising Head Control

- Each mortising head is controlled by an independent switch. The operator may adjust mortise position as desired for maximum flexibility.



YL-3-3L

# Multiple Spindle Oscillation Mortiser



**YL-3-3L 5 Head Configuration**  
• 2 sets tilting carriages  
• 1 set horizontal carriage

## Outstanding Features:

1. This highly productive mortiser is designed for producing multiple mortises simultaneously. High efficiency and high throughput.
2. Double tables built on front and back sides, permitting both sides operations for increased efficiency.
3. Each carriage is adjusted independently.
4. Carriages slide on high precision linear guide ways. Maximum motion stability and smoothness are assured when cutter oscillates at high speed.
5. Mortise width and depth are adjustable.
6. The machine is designed for both mortising and drilling functions.
7. Carriages are well constructed for adjusting width independently.
8. Workpiece clamping mechanism suits various profiles of workpiece

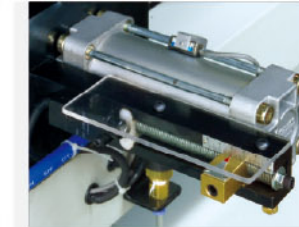


## Model

## YL-3-3L

Numbers of carriage	3 sets
Numbers of spindle	5 spindle
Max. mortise width	100 mm
Max. mortise depth	50 mm
Cutter diameter	ø6~ø25 mm
Cutter shank diameter	ø16 mm
Distance between spindles	45~760 mm
Oscillation speed (2 speeds)	190 strokes
Spindle speeds	4500~9000 R.P.M.
Tilted mortise angle	10°x1 / 20°x2
Spindle motor	3 HP
Oscillation drive motor	1.5 HP
Working air pressure	5~6 kg/cm <sup>2</sup>
Dust hood outlet diameter	ø2-1/2"x2 / ø4"x1
Net weight	1000 kgs
Gross weight	1200 kgs
Machine dimensions	1450x1650x1400 mm
Packing dimensions	1680x1650x1750mm

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



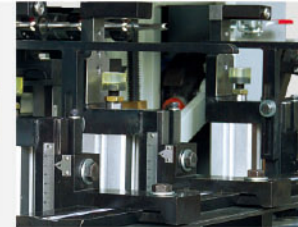
## Air Hydraulic Combination Cylinder

- The table feed is driven by an air hydraulic combination cylinder, providing two-stop feed speed. This feature not only provides buffering function for workpiece contacting cutter, but also increase efficiency.



## Centralized Control Panel

- All of the machine motion controls are grouped in one control panel for convenience of operation.
- The control system employs high quality "TE" brand electronic components, complying with European standards.



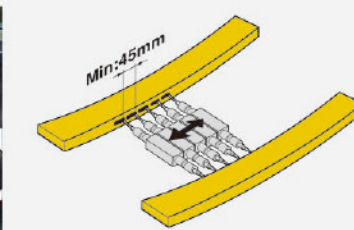
## Air Cylinder Clamping

- This machine employs three air cylinders combined with movable stoppers for clamping various profiles of workpiece. Clamping motion is fast and conveniently made without need of assistance of a template.



## Precision Linear Guide Ways

- The carriage slides on high precision linear guide ways, which greatly upgrades stability and smoothness of cutter oscillation.

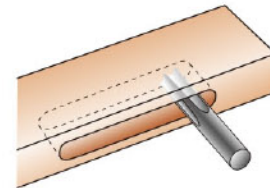




YL-120

# Oscillation Mortiser

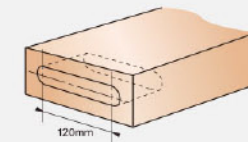
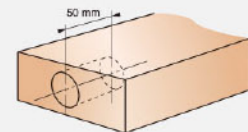
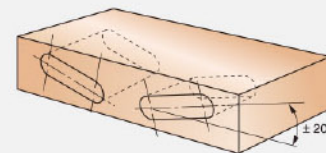
Quality Machine for Perfect Jointing Performance



## Outstanding Features:

1. Two tables built in the front and back of the machine provides high efficiency mortising operations.
2. Air clamps provides convenient workpiece handling.
3. Mortising width is adjustable.
4. Mortising depth is adjustable.
5. Table can be tilted 20°.
6. Table feed forward speed is variable.
7. Centralized control panel provides convenient operations.
8. Mortising depth is accurately controlled.
9. Table height is adjustable.
10. Mortising bit oscillating speed is variable.

## THE YL-120 IS CAPABLE OF PRODUCING VARIOUS OSCILLATION MORTISER



Model	YL-120
Maximum width of mortise	120 mm
Maximum depth of mortise	50 mm
Oscillation rate	6.6~400 stroke/min
Table vertical adjustment	3"
Cutter speed	9500 R.P.M.
Maximum clamp thickness	4"
Spindle motor	2 HP
Oscillation motor	1/2 HP
Air pressure	5~6 kg/cm²
Net weight	700 kgs
Gross weight	800 kgs
Machine size	1300x1200x1200 mm
Packing size	1430x1340x1450 mm

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



TCT Mortising Bit (optional)



HSS Mortising Bit (standard)  
Standardly furnished with 2 pcs.



## Tilting Table

The table tilts 20° rightward and leftward for bevel mortising.



## Steel Rod Slideway

The cutterhead travels on steel rods, ensuring maximum wear resistance and smoothness.

The spindle is one-piece manufactured from aluminum alloy, featuring excellent heat dissipation, light weight and long service life.

## Accurate Mortise Length Adjustment

Mortise length adjustment mechanism is equipped with a mechanical meter for high accuracy.



## Mortising Cutter Oscillation Controlled by Frequency Inverter (standard)

The cutter oscillation speed is variable to suit various types of wood material. Cutter oscillation is controlled by a frequency inverter. The specially designed oscillation mechanism assures high accuracy of mortising.



YL-480 • 900

(For Straight Board)

Continuous Dovetailer

Fast... Continuous... Automatic... A Dovetailer Built For Profitable Production

Outstanding Features:

1. Cuts dovetailed tenons/mortises simultaneously for accurate jointing.

2. Dovetailed width and depth are adjustable.

3. Continuous tenoning motion.

4. Automatic motion cycle provides efficient, economical operation.

5. High spindle speed 20,000 R.P.M.
6. Simple to operate, simple to maintain.

7. 3 feed speeds change suitable for cutting various wood materials.

8. **Convenient efficient operation**  
The machine permits for two operators' operation. Entire motion sequences are automatically operated except for clamping and unclamping of workpieces.



YL-480

- For Straight Board
- Maximum workpiece sizes: width 480 mm



YL-900

- For Straight Board
- Maximum workpiece sizes: width 900 mm



Adjustable Spinde

- The spindle is adjustable for cutter wear compensation. The cutter can be resharpended about 12 times.

Model

YL-480

YL-900

Tenon thickness	Min.8 mm, Max.20 mm	Min.8 mm, Max.20 mm
Tenon width	Min.7 mm, Max.18 mm	Min.7 mm, Max.18 mm
Tenon depth	Min.10 mm, Max.30 mm	Min.10 mm, Max.30 mm
Spindle vertical adjustment	30 mm	30 mm
Maximum clamping device tilts	-	-
Maximum workpiece sizes	Length 1500 mm, Width 480 mm	Length 1500 mm, Width 900 mm
Collect chuck capacity	ø12 mm	ø12 mm
Numbers of air clamps	4 PCS	8 PCS
Spindle speed	21,500 R.P.M.	21,500 R.P.M.
Spindle motor	2 HP	2 HP
Working air pressure	5 kg	5 kg
Dust hood outlet diameter	60 mm	60 mm
Frequency inverter	Optional	Standard
Machine dimensions (LxWxH)	1270 x 780 x 1330 mm	2220 x 780 x 1330 mm
Packing dimensions (LxWxH)	1420 x 780 x 1450 mm	2370 x 940 x 1450 mm
Net / Gross weight	410 / 460 kgs	680 / 780 kgs

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



Rugged Guide Rod

- Tenoning head feeds on an oversized guide rod, hard chrome plated, for maximum stability of tenoning operation and maximum wear resistance.



Centralized Control Panel

- All of the machine motion controls are centralized on one control panel for operation convenience. Control functions include single start/stop, feed start/stop, manual/automatic mode selection.



Stable Tenoning Head

- The tenoning head is driven by a 2HP motor with 20,000 R.P.M. high spindle speed. Cutter bit can be micrometrically adjusted for tenon/mortise width.



Cuts Dovetailed Tenon and Mortise Simultaneously

- The workpieces to be jointed are placed together on the machine for cutting dovetailed tenons and mortises simultaneously, ensuring high accuracy jointing effect.



Replaceable Mold. Easy for Maintenance

- Easily clean the wood chips inside the molds by only taking off the two dust-proof covers.



Automatic Lubricator

- With automatic lubricator provide YC-480 longer life.



# YL-480A

(For Curved Board)

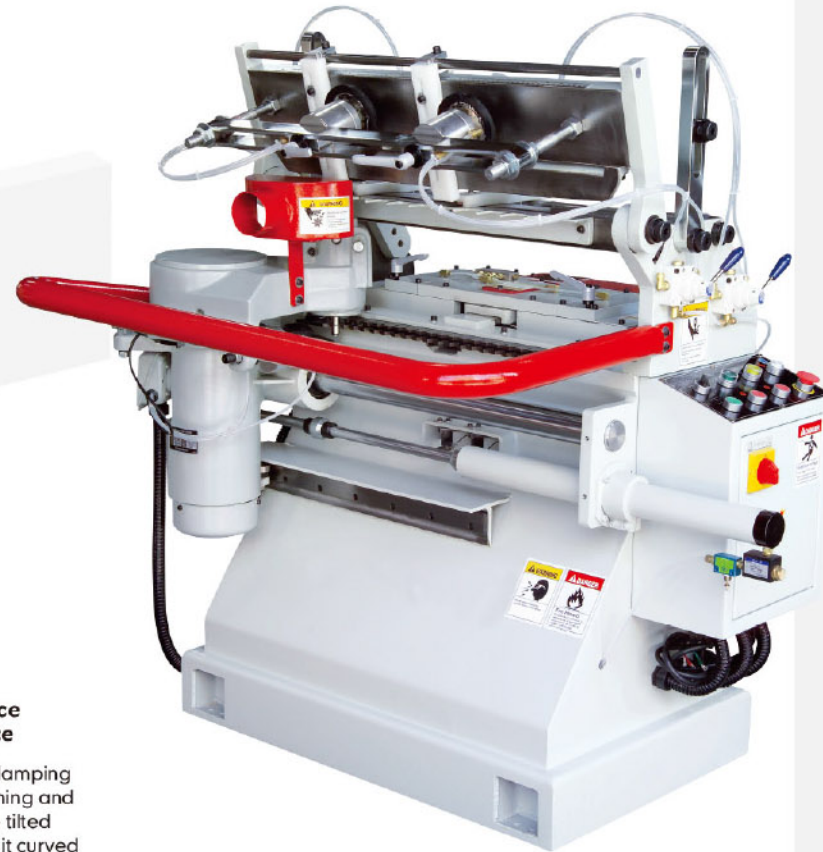
## Continuous Dovetailer

Fast... Continuous... Automatic... A Dovetailer Built For Profitable Production

### Outstanding Features:

1. Cuts dovetailed tenons/mortises simultaneously for accurate jointing.
2. Dovetailed width and depth are adjustable.
3. Continuous tenoning motion.
4. Automatic motion cycle provides efficient, economical operation.
5. High spindle speed 20,000 R.P.M.
6. Simple to operate, simple to maintain.
7. 3 feed speeds change suitable for cutting various wood materials.
8. **Convenient efficient operation**

The machine permits for two operators' operation. Entire motion sequences are automatically operated except for clamping and unclamping of workpieces.



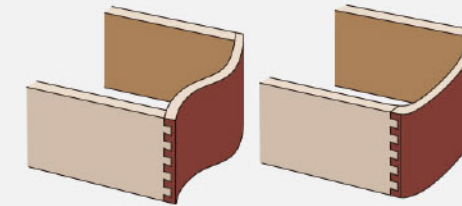
**YL-480A**

- For Straight Board / Curved Board
- Maximum workpiece sizes: width 480 mm



### Equipped With Inverter (optional)

- Inverter provides various speeds of cutter feeding.



### Some Types of Possible Joints

### Model

### YL-480A

Tenon thickness	Min.8 mm, Max.20 mm
Tenon width	Min.7 mm, Max.18 mm
Tenon depth	Min.10 mm, Max.30 mm
Spindle vertical adjustment	30 mm
Maximum clamping device tilts	tilting
Maximum workpiece sizes	Length 1500 mm, Width 480 mm
Collect chuck capacity	ø12 mm
Numbers of air clamps	4 PCS
Spindle speed	21,500 R.P.M.
Spindle motor	2 HP
Working air pressure	5 kg
Dust hood outlet diameter	60 mm
Frequency inverter	Optional
Machine dimensions (LxWxH)	1270 x 780 x 1330 mm
Packing dimensions (LxWxH)	1420 x 910 x 1450 mm
Net / Gross weight	410 / 460 kgs

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



### Rugged Guide Rod

- Tenoning head feeds on an oversized guide rod, hard chrome plated, for maximum stability of tenoning operation and maximum wear resistance.



### Centralized Control Panel

- All of the machine motion controls are centralized on one control panel for operation convenience. Control functions include single start/stop, feed start/stop, manual/automatic mode selection.



### Stable Tenoning Head

- The tenoning head is driven by a 2HP motor with 20,000 R.P.M. high spindle speed. Cutter bit can be micrometrically adjusted for tenon/mortise width.



### Cuts Dovetailed Tenon and Mortise Simultaneously

- The workpieces to be jointed are placed together on the machine for cutting dovetailed tenons and mortises simultaneously, ensuring high accuracy jointing effect.



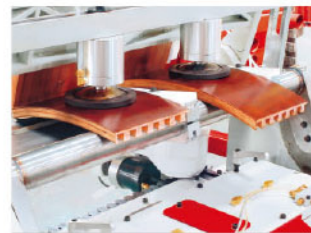
### Replaceable Mold. Easy for Maintenance

- Easily clean the wood chips inside the molds by only taking off the two dust-proof covers.



### Automatic Lubricator

- With automatic lubricator provide YC-480 longer life.



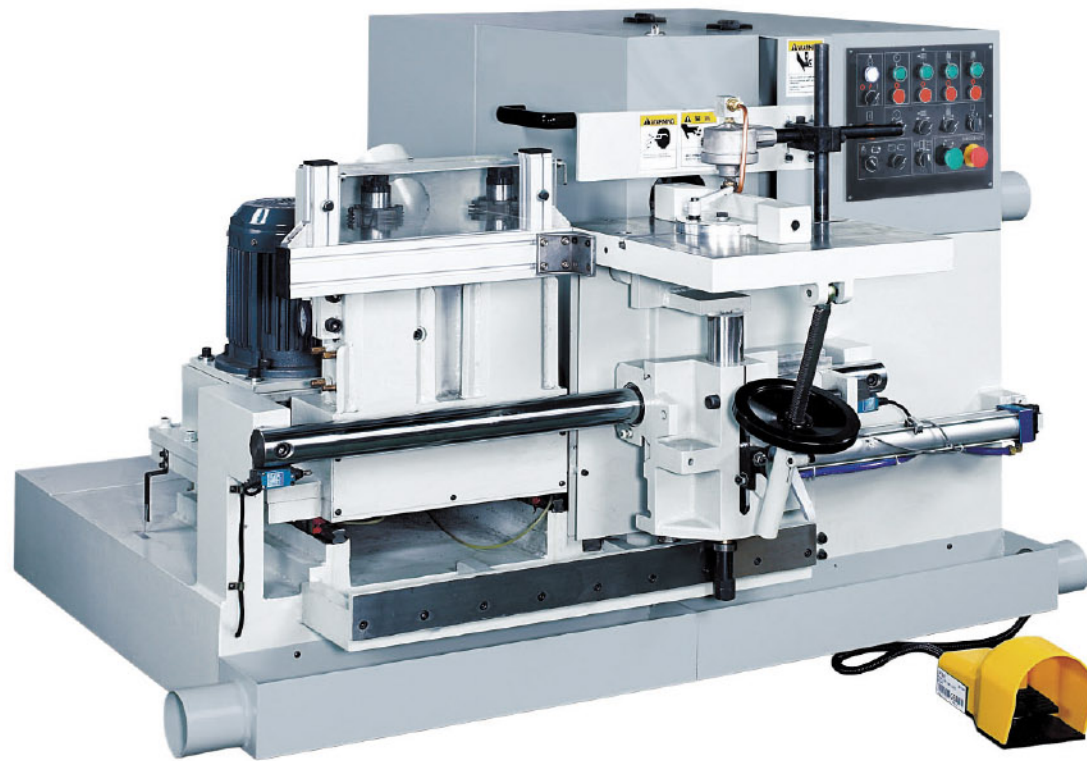
### Tilting Workpiece Clamping Device

- The workpiece clamping devices for tenoning and mortising can be tilted individually to suit curved board.



YL-TF1

# Single Sided Cutting Boring Moulding Machine



## YL-TF1

Designed for producing round and square tenons and big tenons on Various shapes of wood, such as curved and irregular shape.

### Double Moulding Spindles

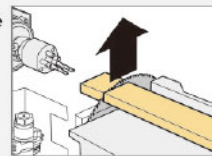
The moulding unit is constructed of two spindles, which run in opposite direction to avoid wood tearing during cutting.

## Outstanding Features:

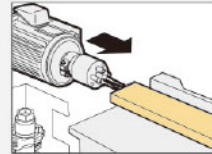
1. TF1: Single side moulding
2. The machine employs a PLC control for easy operation and smooth motion sequence.
3. Foot Switch controls motion cycle.
4. Combine three functions in one; cutting, moulding and boring.
5. Table surface is equipped with a miter gauge for bevel moulding.
6. Entire motions are actuated by air/hydraulic combination cylinders, providing fast, stable and smooth motions.
7. Table tilts 30° front downward.
8. The table support is fitted with oilless bushings.

## TF1 MOTION ILLUSTRATION

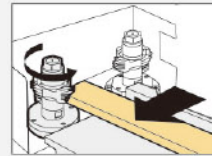
### 1. Cut To Size



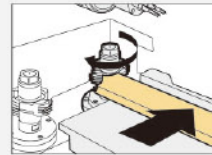
### 2. Boring



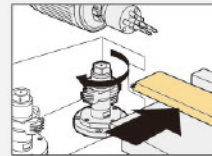
### 3. Left Moulding



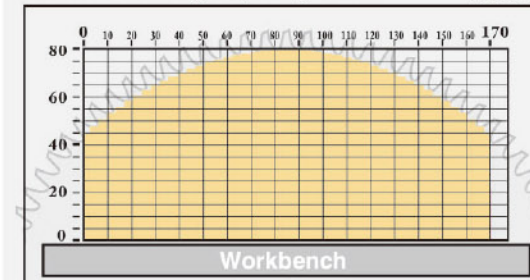
### 4. Right Moulding



### 5. Cycle Finished



## YC-TF1 Cutting Capacity Chart



## Model

YL-TF1

### Cutting unit

Spindle motor (1)	3 HP
Blade size	450 mm
Spindle speed	3000 RPM

### Boring unit

Spindle motor (1)	3HP
Boring	17 17/22 22 mm (5-spindles boring head)
Spindle speed	3000 RPM
Depth adjustment	70 mm

### Moulding

Spindle motor (2)	5 HP
Spindle diameter (2)	30 mm
Spindle speed	8000 rpm/min
Machine dimensions (LxWxH)	1600x1600x1400 mm
Packing size (LxWxH)	1930x1720x1500 mm
Net / Gross weight	1800/1900 kg

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

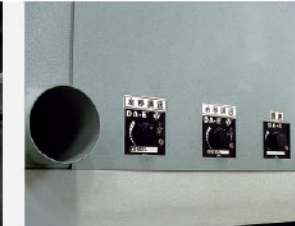


### Miter Gauge

- The table is equipped with a miter gauge with angle setting 0°~45° right and left, making the machine suitable for bevel moulding operations.

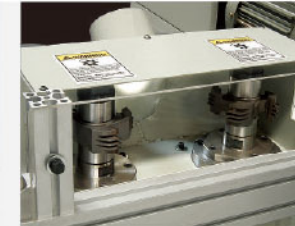
### Air Clamp

- The workpiece is clamped by air cylinder for convenient and fast clamping and unclamping.



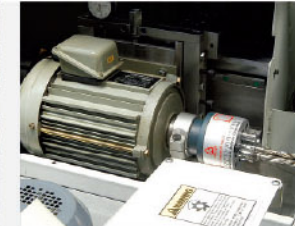
### Variable Workpiece Feed Speed

- The machine employs two speed regulator knobs to adjust the table feed forward and backward speeds, permitting workpiece contacting cutter smoothly.
- Variable feed speed makes the machine ideal for cutting hard and soft wood.



### Moulding Unit

- The moulding unit consists of two spindles.
- One spindle is fixed, while the other spindle can be adjusted in height position.
- The moulding unit is equipped with a seethru guard to prevent chips from splashing.



### Boring Unit

- The boring unit is driven by a 3 HP motor.
- One 5-spindles boring head is standard equipment. Other types of boring head are available upon request.
- The boring unit moves on high precision linear guide ways for smooth trowel and high linear accuracy.
- Boring head stroke is adjustable.



### Centralized Control Panel

- All motion controls of the machine are completely centralized on a control panel, providing operational convenience for operator.

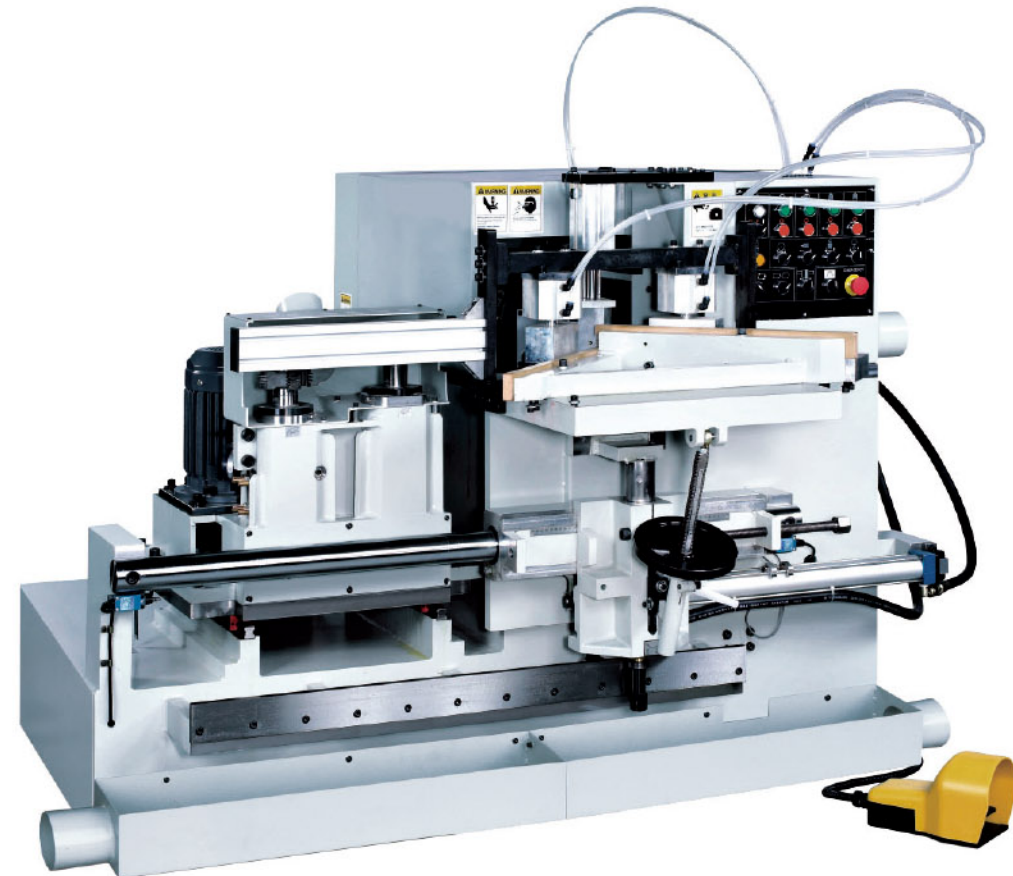
### Electronic Parts Meet European Standards

- The control circuit in the electric cabinet consists of French TE brand electronic components, meeting European standards.
- The high performance control circuit assure sensitive and stable motion controls at all times.



YL-TF2

# Single Sided Cutting Boring Moulding Machine



## YL-TF2

Especially ideal for producing tenons for door frame, picture frame, table top frame and cabinet frame etc. Also, ideal for producing 45° angular tenons.

## Outstanding Features:

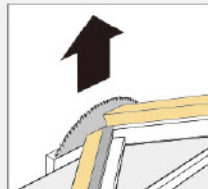
1. TF2: Right and left tenons are accomplished at a time.
2. The machine employs a PLC control for easy operation and smooth motion sequence.
3. Foot Switch controls motion cycle.
4. Combine three functions in one; cutting, moulding and boring.
5. Table surface is equipped with a miter gauge for bevel moulding.
6. Entire motions are actuated by air/hydraulic combination cylinders, providing fast, stable and smooth motions.
7. Table tilts 30° front downward.
8. The table support is fitted with oilless bushings.

Right and left tenons are accomplished at a tie.

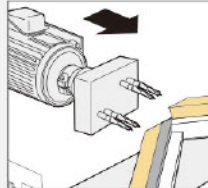


## TF2 MOTION ILLUSTRATION

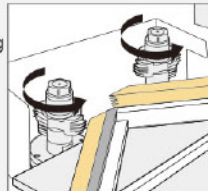
### 1. Cut To Size



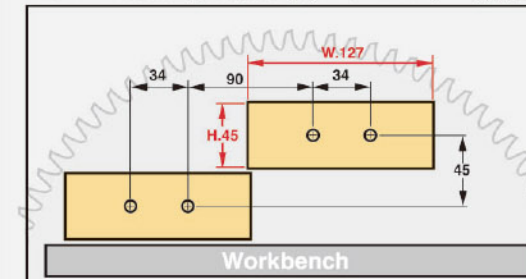
### 2. Boring



### 3. Right Left Tenon Cutting



## YC-TF2 Cutting capacity (H.45 x W.127) Unit:mm



## Model

YL-TF2

## Cutting unit

Spindle motor (1)	3 HP
Blade size	450 mm
Spindle speed	3000 RPM

## Boring unit

Spindle motor (1)	3HP
Boring	34 mm (4-spindles boring head)
Spindle speed	3000 RPM
Depth adjustment	70 mm

## Moulding

Spindle motor (2)	5 HP
Spindle diameter (2)	30 mm
Spindle speed	8000 rpm/min
Machine dimensions (LxWxH)	2020x1630x1300 mm
Packing size (LxWxH)	2050x1730x1500 mm
Net / Gross weight	1900/2000 kg

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



## 45° Miter Fence

- The table is equipped with a 45° miter fence, allowing for cutting, boring and moulding operations. Right and left 45° angular tenons can be accomplished at a time.

## Air Clamp

- The workpiece is clamped by air cylinder for convenient and fast clamping and unclamping.



## Variable Workpiece Feed Speed

- The machine employs two speed regulator knobs to adjust the table feed forward and backward speeds, permitting workpiece contacting cutter smoothly.
- Variable feed speed makes the machine ideal for cutting hard and soft wood.



## Moulding Unit

- The moulding unit consists of two spindles.
- One spindle is fixed, while the other spindle can be adjusted in height position.
- The moulding unit is equipped with a seethru guard to prevent chips from splashing.



## Boring Unit

- The boring unit is driven by a 3 HP motor.
- One 5-spindles boring head is standard equipment. Other types of boring head are available upon request.
- The boring unit moves on high precision linear guide ways for smooth trowel and high linear accuracy.
- Boring head stroke is adjustable.



## Centralized Control Panel

- All motion controls of the machine are completely centralized on a control panel, providing operational convenience for operator.

## Electronic Parts Meet European Standards

- The control circuit in the electric cabinet consists of French TE brand electronic components, meeting European standards.
- The high performance control circuit assure sensitive and stable motion controls at all times.



YL-TF7

# CNC Automatic Milling Tenoning Machine



## Machine Features:

1. The machine consists of one set of tenoning head and two sets of saw heads.
2. The entire machine motions are controlled by a CNC controller, providing easy operation.
3. Right and left movement of table is driven by a servo motor combined with ball screw transmission featuring fast travel and high accuracy positioning.
4. Automatic 90° sawhead rotation rotation is actuated by swing cylinder.
5. Wood is clamped by air cylinders.
6. Sawblade elevation is driven by air cylinder.
7. Fast motion cycle. High efficiency. High productivity.

## Model

YL-TF7

## Capacity

Wood length	600~2500 mm
Wood width	130~305 mm
Wood thickness	30~50 mm

## Sawhead

Sawblade sizes	ø250x3 mm
Saw arbor diameter	ø1"
Sawblade speed	2800 RPM
Sawblade motor	3 HPx2 PCS
Sawhead rotation	90°

## Cutterhead

Cutter diameter	ø200 mm
Cutter arbor diameter	ø40 mm
Cutter speed	5600 RPM
Cutter motor	5 HP

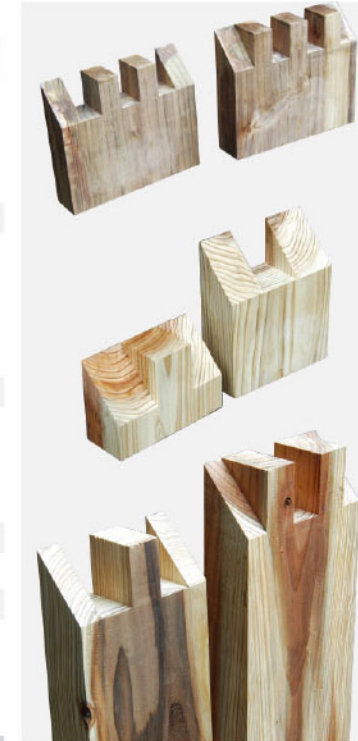
## Table

Table feed motor	1 HP (servo)
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## Miscellaneous

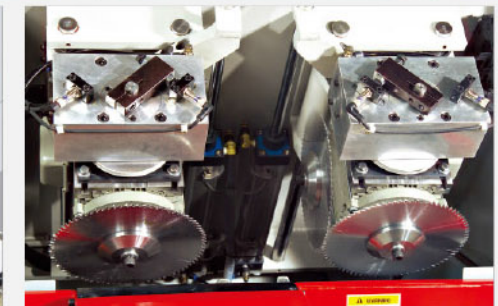
Working air pressure	6 kg/cm²
Machine dimensions (LxWxH)	1300x1700x1500 mm
Net weight	850 kg
Gross weight	950 kg

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



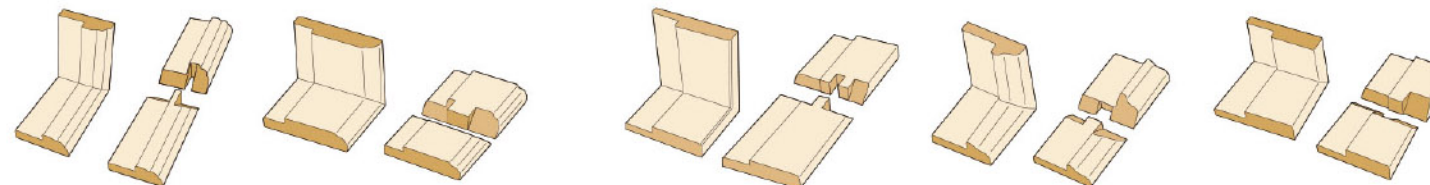
## CNC Control Easy To Opprate

- This machine employs a CNC control for maximum convenience of operation.



## Double Saw Heads

- Each saw head is independently driven by a motor.
- Both saw heads automatically rotate 90°.



## Application:

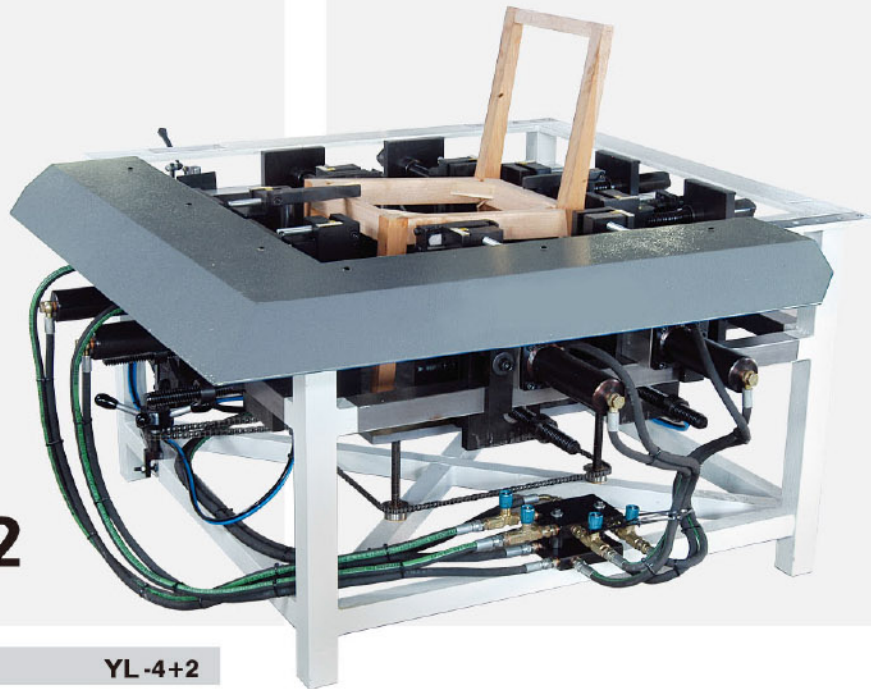
The YC-TF7 is designed for cutting tenons for door and window frames. Also ideal for cutting tenons for other furniture parts.



# Chair Assembly Machine



YL-4+2

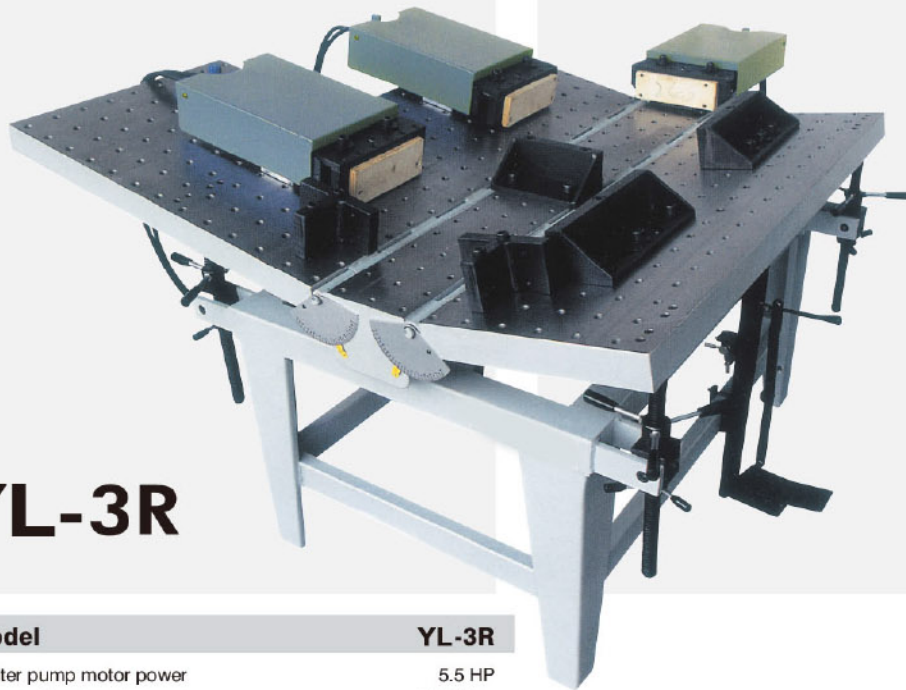


Model	YL-4+2
Master pump motor power	5.5 HP (4 Kw)
Capacity of the master pump	60 Litres
Number of the locking cylinders	4
Useful work dimensions	700x700 mm
Inclination of locking planes	Vertical 10°
(only versions FS/R-FFS/R)	Horizontal 20°
Net weight	750 Kg
Dimensions of the machine	2000x2000x850 mm

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

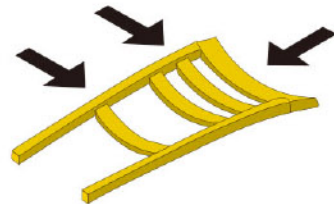


YL-3R



Model	YL-3R
Master pump motor power	5.5 HP
Oil capacity of master pump	50 Litres
3 master cylinders	ø60x180
Max. inclination of working planes	30°
Inclination of locking planes and counter planes	±20°
Useful working dimensions	1350x780 mm
Production	60 to 180 pcs/h
Net weight	800 Kg
Dimensions	2100x1800x1000 mm

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



YL-A6



Model	YL-A6
Master pump motor power	3 Kw
Oil capacity of the pump	20 Litres
Working pressure	80 ÷ 100 bar
Net weight	1400 Kg
Dimensions	1900x1900x1000 mm

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

