



**CHANG IRON WORKS CO., LTD**

**WINNER MACHINERY CO., LTD**

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Submitted agent by:

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- Automatic Planer
- Hand Jointer
- High Speed Shaper



**RIGID !  
STABLE !  
HEAVY DUTY !**



SINCE 1962

**RIGID ! STABLE !  
HEAVY DUTY !**

All these can be found on **CHANG IRON** machines.

Designed and engineered with efficiency, stability and operational convenience in mind, the jointers, shapers and planers from **CHANG IRON** will offer extraordinary cutting performance as you've come to expect. Each machine is built by our highly experienced technicians, and rigorously tested and inspected before shipment to ensure its outstanding performance year after year.



**HAND JOINTER**



**HIGH SPEED SHAPER**



**AUTOMATIC PLANER**



**AUTOMATIC PLANER**

# Hand Jointer



## OVERHEAD CUTTERHEAD GUARD (OPTION)

- The cutterhead guard provides full coverage of the cutterhead for safety.
- The cutterhead guard is equipped with a nitrogen gas cylinder for added convenience.



## TILTING FENCE

- The massive fence is one-piece manufactured from cast iron with precision ground.
- The fence has positive stops at 90° and 45°.

## MACHINE FEATURES:

- 2850 x 508 mm table area.
- Table surfaces are precision ground.
- Powered infeed table elevation (Option).
- Digital position control for infeed table elevation (Option).
- 5,000 rpm cutterhead speed.
- Overhead type cutterhead guard (Option).
- Massive cast-iron base features maximum rigidity and stability.
- Flat cutterhead is standard.
- Spiral cutterhead is option.
- Cast-iron base.



## MICROMETRICAL ADJUSTMENT FOR INFEEED TABLE ELEVATION (OPTION)

- The infeed table elevation is power operated for convenience. In addition, manual micrometer adjustment is available by turning a knob located at the front of the machine.



## CONTROL BOX (OPTION)

- The control box provides major functions as below :
- Digital position control for infeed table elevation.
  - Spindle start / stop.



## FLAT KNIFE CUTTERHEAD (STANDARD)

- The cutterhead is fitted with 4 high speed steel knives.
- ø110 mm diameter cutterhead is balanced dynamically and precision ground.



## SPIRAL CUTTERHEAD (OPTION)

- The spiral cutterhead is fitted with four-edge tungsten carbide knife inserts.
- Knife insert sizes 14 x 14 x 2 mm.



## SPIRAL CUTTERHEAD (OPTION)

- Ideal for heavy cutting.
- The spiral cutterhead is fitted with two-edge tungsten carbide knife inserts.
- Knife insert sizes 30 x 12 x 1.5 mm.

MODEL	CM-303	CM-405	CM-500
Table area (L x W x H)	2020 x 305 x 105 mm	2480 x 405 x 105 mm	2850 x 508 x 105 mm
Max planing width	305 mm	405 mm	508 mm
Table height (angle)	800 mm	800 mm	800 mm
Fence	0°~45°	0°~45°	0°~45°
Motor	3 HP	5 HP	5 HP
Cutterhead speed	5000 R.P.M.	5000 R.P.M.	5000 R.P.M.
Cutterhead dia.	ø 100 mm	ø 110 mm	ø 110 mm
Blade quantity	3 pcs	4 pcs	4 pcs
Net weight	440 kgs	570 kgs	730 kgs
Gross weight	490 kgs	630 kgs	800 kgs
Packing size (L x W x H)	2235 x 762 x 1016 mm	2700 x 900 x 1020 mm	3048 x 991 x 1016 mm

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

# High Speed Shaper

## MACHINE FEATURES:

- Powered spindle elevation (Option).
- Digital position control for spindle elevation (Option).
- Variable spindle speed is controlled by a frequency inverter (Option).
- Reversible spindle rotation.
- Fixed spindle without tilting.
- Cast-iron table is precision ground.
- Heavy gauge steel base.
- Top and side spring hold downs.



### SPRING HOLD DOWNS

- The shaper comes standard with top and side spring hold downs, that holding wood firmly against the fence.



### MICROMETRIC SPINDLE ELEVATION ADJUSTMENT

- A micrometric adjustment knob, provided at the front of machine, permits accurate adjustment for spindle-height.



### HIGH QUALITY ELECTRONIC COMPONENTS

- The control circuit consists of high quality electronic components for maximum dependability of control performance.
- The electrical cabinet is equipped with a frequency inverter, providing variable spindle speed change.



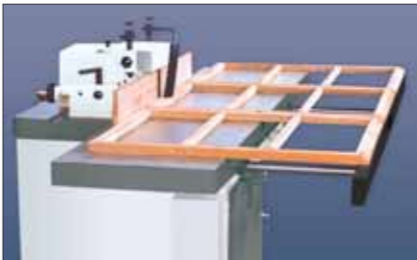
### SWIVELLING CONTROL BOX (OPTION)

- The control panel provides major control functions, including :
- Digital position control for spindle elevation.
  - Spindle speed regulation and display.
  - Reversible spindle rotation control.



### FENCE ASSEMBLY

- Cast-iron fence halves are precision ground.
- ø5" dust hood outlet.



### CMP-623

Extended table length is available.

### SPINDLE TYPE

- Choice of spindle diameters: ø30 mm and ø1-1/4" are standard, ø40 mm and ø50 mm are option.
- The precision spindle is balanced dynamically and runs in high speed sealed bearings without further lubrication.



MODEL	CMP-623	CMP-6
Motor	7-1/2 HP	7-1/2 HP
Speed of spindle	5500 / 7500 / 9500 R.P.M.	5500 / 7500 / 9500 R.P.M.
Size of spindle	ø30 mm or ø1-1/4"	ø30 mm or ø1-1/4"
Table area (L x W)	2140 x 890 mm	1200 x 890 mm
Table height	870 mm	870 mm
Rise and of spindle	125 mm	125 mm
Distance between spindle	-	-
Packing size (L x W x H)	2160 x 1040 x 1180 mm	1240 x 1040 x 1180 mm
N.W.	630 kgs	530 kgs
G.W.	820 kgs	680 kgs
Extended table length is available		

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# Automatic Planer



## MACHINE FEATURES:

- A heavy duty planer.
- Ruggedly constructed cast-iron machine frame features maximum rigidity and stability.
- Powered table elevation.
- Digital position control for table elevation (Option).
- Powered table rollers.
- Variable feed speed 6-28 M/min (60 Hz).
- Anti-Kickback design for safety.
- Cast-iron table is precision ground.
- Flat cutterhead is standard.
- Spiral cutterhead is option.
- Dust outlet 6".
- Cast-iron base.



## MICROMETRICAL TABLE ELEVATION ADJUSTMENT KNOB

- Allows for the manual micrometer adjustment of table raising and lowering.
- Feed Speed Adjustment Knob provides convenient adjustment for feed speed which is indicated on a speedometer.



## FLAT KNIFE CUTTERHEAD (STANDARD)

- The cutterhead is fitted with 4 high speed steel knives.
- $\varnothing 110$  mm diameter cutterhead is balanced dynamically and precision ground.



## SPIRAL CUTTERHEAD (OPTION)

- The spiral cutterhead is fitted with four-edge tungsten carbide knife inserts.
- Knife insert sizes 14 x 14 x 2 mm.



## SPIRAL CUTTERHEAD (OPTION)

- Ideal for heavy cutting.
- The spiral cutterhead is fitted with two-edge tungsten carbide knife inserts.
- Knife insert sizes 30 x 12 x 1.5 mm.



## VARIABLE FEED SPEED

- The feed speed is changed by a variable speed pulley device.
- Feed speed range 6-28 M/min (60 Hz).

## FEED DRIVE SYSTEM

- The feed drive system consists of a motor, variable speed pulley and chain, providing variable feed speed.



## SECTIONAL INFEED ROLLER

- The sectional infeed roller allows for feeding several pieces of wood with varying thickness. (Flexible roller w/spring type)



## POWERED TABLE ROLLERS

- The two table-rollers are powered to ensure smooth feeding even when feeding moisturized wood.
- The height of two table-rollers are adjusted independently.



## CENTRALIZED CONTROL PANEL

- All motion controls are centralized on a control panel for convenient operation.
- Digital position control for table elevation (Option).
- Jog control for table raising and lowering.
- Feed control.
- Cutterhead running control.

MODEL	CM-624	CM-626
Table area (L x W)	900 x 640 mm	900 x 690 mm
Max. planing width	609 mm	660 mm
Max. planing thickness	300 mm	300 mm
Min. planing thickness	4 mm	4 mm
Min. cutting length	263 mm	263 mm
Cutterhead dia.	120 mm	120 mm
Cutterhead speed	5000 R.P.M.	5000 R.P.M.
Blade quantity	4 pcs	4 pcs
Feeding speed	6~28 M/min	6~28 M/min
Table vertical motor	1/2 HP	1/2 HP
Dust outlet	6" x 1 hole	6" x 1 hole
Feeding motor	2 HP	2 HP
Motor	10 HP	15 HP
Net weight	800 kgs	1000 kgs
Gross weight	900 kgs	1100 kgs
Packing size (L x W x H)	1118 x 1270 x 1473 mm	1118 x 1320 x 1473 mm

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# Automatic Planer



## MACHINE FEATURES:

- Ruggedly constructed cast-iron machine frame features maximum rigidity and stability.
- Powered table elevation (Option).
- Digital position control for table elevation (Option).
- Powered table rollers.
- Variable feed speed 5-12 M/min.
- Anti-Kickback design for safety.
- Cast-iron table is precision ground.
- Flat cutterhead is standard.
- Spiral cutterhead (Option).
- ø6" dust hood outlet.
- Cast-iron base.



## SECTIONAL INFEED ROLLER

- The sectional infeed roller allows for feeding several pieces of wood with varying thickness. (Flexible roller w/spring type)



## POWERED TABLE ROLLERS

- The two table-rollers are powered to ensure smooth feeding even feeding a moisturized wood.



## SYNCHRONOUSLY ADJUSTED TABLE ROLLERS

- The height of two table-rollers are synchronously adjusted by shifting a quick setting lever for added convenience.



## VARIABLE FEED SPEED

- The feed speed is changed by variable speed pulley device.
- Feed speed range 5-12 M/min.



## FLAT KNIFE CUTTERHEAD (STANDARD)

- The cutterhead is fitted with 4 high speed steel knives.
- ø110 mm diameter cutterhead is balanced dynamically and precision ground.



## SPIRAL CUTTERHEAD (OPTION)

- The spiral cutterhead is fitted with four-edge tungsten carbide knife inserts.
- Knife insert sizes 14 x 14 x 2 mm.



## SPIRAL CUTTERHEAD (OPTION)

- Ideal for heavy cutting.
- The spiral cutterhead is fitted with two-edge tungsten carbide knife inserts.
- Knife insert sizes 30 x 12 x 1.5 mm.



## FEED DRIVE SYSTEM

- The feed drive system consists of a motor, variable speed pulley and chain, providing variable feed speed.



## CENTRALIZED CONTROL PANEL

- All motion controls are centralized on a control panel for convenient operation.
- Digital position control for table elevation (Option).
- Jog control for table raising and lowering.
- Feed control.



## MICROMETRICAL ADJUSTMENT FOR TABLE ELEVATION

- The table elevation is power operated for convenience.
- A manual micrometer adjustment knob is mounted on top of the machine for accurate adjustment.

MODEL	CM-508Y	CM-609Y
Table area (L x W)	900 x 540 mm	900 x 640 mm
Max. planing width	508 mm	609 mm
Max. planing thickness	230 mm	230 mm
Min. planing thickness	3 mm	3 mm
Min. cutting length	254 mm	254 mm
Cutterhead dia.	120 mm	120 mm
Cutterhead speed	5000 R.P.M.	5000 R.P.M.
Blade quantity	4 pcs	4 pcs
Feeding speed	5~12 M/min	5~12 M/min
Table vertical motor	1/2 HP	1/2 HP
Dust outlet	6"	6"
Feeding motor	1 HP	1 HP
Motor	7-1/2 HP	10 HP
Net weight	750 kgs	810 kgs
Gross weight	850 kgs	920 kgs
Packing size (L x W x H)	1120 x 1020 x 1160 mm	1220 x 1020 x 1300 mm

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