



Vertical Bandsaws

*A Line of Quality Constructed,
Heavy-duty Tilt Frame Miter Saw,
Vertical Bandsaws and
Large Capacity Vertical Bandsaws*



- Vertical Bandsaw with Fixed or Hydraulic Heavy-duty Cast Iron Table
- Large Capacity Vertical Tilt Frame Bandsaw Available with Hydraulic Vise

Tilt Frame Miter Saw

The VG450M/VG450MP Heavy-duty Vertical Tilt Frame Miter Bandsaw is a Large Capacity, High Precision Cutting Machine



Model VG450MP
Shown

Saw Features...

- ◆ **Great versatility, fast and easy set-up...** The saw frame tilts to any angle between 60° left and 60° right.
- ◆ **Large cutting capacity...** Up to 26.4" x 19.1" at 90°, 18.3" x 19.1" at 45° left and right and 12.8" x 19.1" at 60° left and right
- ◆ **Front mounted control panel...** Easily control all sawing functions, miter angle, blade speed, etc.
- ◆ **Cutting control...** Infinitely variable hydraulic cutting pressure controlled from control panel
- ◆ **Canted saw frame...** Saw frame can be manually canted from 0° to 5° forward for more efficient cutting
- ◆ **Flood coolant...** Equipped with a recirculating flood coolant system
- ◆ **Large work area...** By removing the movable front vise jaw, large bulky parts or irregular shaped work pieces can be manually clamped to the large work table
- ◆ **Easy loading and unloading...** Saw frame moves behind fixed back vise jaw to allow easy loading and unloading of workpiece from top or side
- ◆ **Precision guidance...** Precision saw bow guided by solid carbide blade guides with rollers along with a very rigid frame design, produces very precise cuts
- ◆ **Blade tension control...** Equipped with hydraulic blade tension with pressure indicator
- ◆ **Small footprint...** For such a large cutting area, the machine requires only a L 94.5" x W 59.1" footprint

Tilt Frame Miter Saw Standard Features



Model VG450MP Control Shown



Hydraulic Rack Gear Vice (**standard on model VG450MP**) is operated from the control panel. Independent operation of the left and right jaw or both jaws together.

The front mounted control panel controls all sawing functions such as, blade speed, easy to read blade speed chart, frame feed and on **Model VG450MP**, hydraulic frame tilt, hydraulic left vise clamp/release, hydraulic guide arm, and has a HMI touch screen that control blade START/STOP, coolant START/STOP, SLOW/FAST mode for material feed and frame tilt, frame angle readout and blade speed readout.

Model VG450M is equipped with manual left vise, manual guide arm positing and manual rear mounted hand crank with angle gage for headframe tilting



Hydraulic pressure gauges are mounted in the control panel. This lets the operator easily adjust the blade cutting pressure and on models equipped with a hydraulic vise will let the operator adjust hydraulic vise grip pressure.

Specifications

Model	VG450M/VG450MP		5° Frame Cant	
	Height	Width	Height	Width
Cutting Capacity				
90° rectangular	26.4" (670mm)	19.1" (485mm)	24" (610mm)	19.1" (485mm)
45° rectangular right	17.1" (435mm)	19.1" (485mm)	15.7" (400mm)	18.9" (480mm)
45° rectangular left	18.3" (465mm)	19.1" (485mm)	16.7" (425mm)	18.9" (480mm)
60° rectangular right	10" (250mm)	17.5" (445mm)	9.6" (245mm)	16.3" (416mm)
60° rectangular left	12.8" (325mm)	19.1" (485mm)	11.8" (300mm)	17.5" (445mm)
Blade speed (infinitely variable)	66-264 ft/min (20-80 M/min)			
Feed range	0-132 lb/f (0-60 kg/f)			
Work table size	17.7" x 33.4" (450 x 850mm)			
Work table height	39.4" (1000mm)			
Bandwheel diameter	18" (458mm)			
Max. vise opening	19.1" (485mm)			
Jaw size	16.7" x 9.2" (425 x 235mm)			
Coolant capacity	22.1 gallons (85 liters)			
Coolant pump	1/4 hp (.185 kw)			
Blade size	192.1" x 1.3" x .043" (4880 x 34 x 1.1mm)			
Drive motor	5 hp (3.75 kw) (230/460v 3ph)			
Net weight	5705/5815 lbs. (2588/2638kg)			
Shipping weight	6005/6115 lbs. (2724/2774kg)			
Dimensions L / W / H	122" (3098mm) / 89" (2260mm) / 97" (2499mm)			

All specifications subject to change without notice or obligation.

Standard Features

- ◆ Powerful 5 hp drive motor
- ◆ Inverter variable speed drive
- ◆ Solid carbide blade guides
- ◆ Flood coolant system
- ◆ Operation and parts manual
- ◆ Hydraulic frame feed

VG450MP Features Only

- ◆ Hydraulic frame tilt positing
- ◆ Hydraulic left vise
- ◆ Hydraulic guide arm
- ◆ Hydraulic blade tension with pressure indicator
- ◆ Digital display of miter angle, 0.1° accuracy

Optional Equipment

- ◆ 7022 Work Light
- ◆ SA-26T 25" x 10" Heavy-Duty Roller Table, Adjustable Height 31" to 39"
- ◆ SA-27T 25" x 5" Heavy-Duty Roller Table, Adjustable Height 31" to 39"
- ◆ VG-RVISE Right Side Manual Vise (Model VG450M only)
- ◆ VG-RVISE-H Right Side Hydraulic Vise (Model VG450MP only)

Clausing Kalamazoo 12" x 20" Vertical Bandsaws

Features:

- 230v/460v/60/3 electrics
- Magnetic starter with 110v control circuit and overload protection
- 3 hp (2.2Kw) TEFC motor
- Dual range transmission
- 1/2" (13mm) and 3/4" (19mm) Chevron type blade guides with back-up roller
- Fixed table models 26-3/4" (680mm) x 29" (736mm) heavy-duty cast iron table with two-way tilt (15°L & 45°R)
- Hydraulic table models 26-3/4" (680mm) x 29" (736mm) heavy-duty cast iron table with two-way tilt (15°L & 45°R) four (4) T-slots on top table, travel 13"
- Bonded rubber rand wheels
- 110v work light
- Built-in air chip blower
- Blade tension indicator
- Blade speed indicator
- 3/4" (19mm) carbon hardback blade
- Locking band wheel doors
- Operation and parts manual
- Two (2) year limited warranty

Specifications:

Model	V2012F	V2012H
Throat	20" (508mm)	20" (508mm)
Work Height	12" (305mm)	12" (305mm)
Drive Motor	3 hp (2.2kw)	3 hp (2.2kw)
Blade Length	159"-162" (4040-4115mm)	159"-162" (4040-4115mm)
Blade Width	1/8"-1" (3-25mm)	1/8"-1" (3-25mm)
Blade Speed (fpm)	50-5200	50-5200
Dimensions		
Length	51" (1295mm)	51" (1295mm)
Width	41" (1040mm)	44" (1117mm)
Height	81" (2057mm)	81" (2057mm)
Net Weight	1,390 lbs. (630kg)	1,500 lbs. (680kg)
Shipping Weight	1,540 lbs. (698kg)	1,650 lbs. (748kg)

Optional Equipment

- 1" Capacity Blade Welder, Shear and Flash Grinder
- Rip Fence
- Circle Cutting Attachment
- Miter Gauge
- Workholding Jaws
- 1/8", 1/4", 3/8", 1/2", 5/8", 3/4" and 1" Chevron Guide Inserts

All specifications subject to change without notice or obligation.

Clausing Kalamazoo 12" x 28" Vertical Bandsaws

Features:

- 230v/460v/60/3 electrics
- Magnetic starter with 110v control circuit and overload protection
- 3 hp (2.2kw) TEFC motor
- Dual range transmission
- 1/2" (13mm) and 3/4" (19mm) Chevron type blade guides with back-up roller
- Fixed table models 26-3/4" (680mm) x 29" (736mm) heavy-duty cast iron table with two-way tilt (15°L & 45°R)
- Hydraulic table models 26-3/4" (680mm) x 29" (736mm) heavy-duty cast iron table with two-way tilt (15°L & 45°R) four (4) T-slots on top table, travel 13"
- Bonded rubber band wheels
- 110v Work Light
- Built-in air chip blower
- Blade tension indicator
- Blade speed indicator
- 3/4" (19mm) carbon hardback blade
- Locking band wheel doors
- Operation and parts manual
- Two (2) year limited warranty

Specifications:

Model	V2812F	V2812H
Throat	28" (710mm)	28" (710mm)
Work Height	12" (305mm)	12" (305mm)
Drive Motor	3 hp (2.2kw)	3 hp (2.2kw)
Blade Length	197"-199" (5004-5055mm)	197"-199" (5004-5055mm)
Blade Width	1/8"-1" (3-25mm)	1/8"-1" (3-25mm)
Blade Speed (fpm)	50-5200	50-5200
Dimensions		
Length	61" (1550mm)	61" (1550mm)
Width	41" (1040mm)	44" (1117mm)
Height	91" (2311mm)	91" (2311mm)
Net Weight	1,650 lbs. (748kg)	1,760 lbs. (798kg)
Shipping Weight	1,800 lbs. (816kg)	1,900 lbs. (861kg)

Optional Equipment

- 1" Capacity Blade Welder, Shear and Flash Grinder
- Rip Fence
- Circle Cutting Attachment
- Miter Gauge
- Workholding Jaws
- 1/8", 1/4", 3/8", 1/2", 5/8", 3/4" and 1" Chevron Guide Inserts

All specifications subject to change without notice or obligation.

Clausing Kalamazoo Large Capacity 14" x 40" Vertical Bandsaws

Features:

- 230/460/60/3 electrics
- Magnetic starter with 110v control circuit and overload protection
- 5 hp TEFC motor, with brake (full stop from max. speed within 10 seconds)
- Dual range transmission
- 1" (25.4mm) Chevron type blade guides with back-up roller
- 29" (737mm) W x 27" (686mm) L heavy-duty cast iron table with two-way tilt (15°L & 45°R)
- 29-1/2" (749mm)W x 27-1/2" (699mm)L heavy-duty cast iron table with two-way tilt (15° L & 45° R) four (4) T-slots on top (hydraulic table only) table, travel 13" (330mm)
- Auxiliary table 19" (483mm) W x 26-3/4" (679mm) L
- Bonded rubber band wheels
- 110V work light
- Built-in air chip blower
- Blade tension indicator
- Blade speed indicator
- 1" (25.4mm) carbon hardback blade
- Locking band wheel doors
- Operation and parts manual
- Two (2) year limited warranty



Specifications:

Model	V4014F	V4014H
Throat	40" (1016mm)	40" (1016mm)
Work Height	14" (356mm)	14" (356mm)
Table Height	54" (1372mm)	54" (1372mm)
Drive Motor	5 hp (3.75kw)	5 hp (3.75kw)
Blade Length	260"-263" (6604-6680mm)	260"-263" (6604-6680mm)
Blade Width	1/8"-1 1/4" (3-25mm)	1/8"-1 1/4" (3-25mm)
Blade Speed (fpm)	50-5200	50-5200
Dimensions		
Length	72" (1829mm)	72" (1829mm)
Width	39" (991mm)	39" (991mm)
Height	113" (2870mm)	113" (2870mm)
Net Weight	2,976 lbs. (1350kg)	3,395 lbs. (1540kg)
Shipping Weight	3,395 lbs. (1540kg)	3,627 lbs. (1645kg)

All specifications subject to change without notice or obligation.

Optional Equipment

- 1" Capacity Blade Welder, Shear and Flash Grinder (Carbon Stock Only)
- Rip Fence
- Circle Cutting Attachment
- Miter Gauge
- Workholding Jaws
- 1/8", 1/4", 3/8", 1/2", 5/8", 3/4" and 1" Chevron Guide Inserts

Clausing Kalamazoo Vertical Bandsaw Accessories



Part No.	Description	Weight
KM388F	Rip Fence, Fixed Table	10 lbs.
KM388H	Rip Fence, Hydraulic Table	10 lbs.



Part No.	Description	Weight
KM260	Circle Cutting Attachment	8 lbs.

Part No.	Description	Weight
KM2002	Workholding Jaw	37 lbs.
3006080	Right Side Manual Vise (for Model VG450M)	105 lbs.



Miter Gauge for Hydraulic Table Shown

Part No.	Description	Weight
KM198	Miter Gauge Fixed Table	7 lbs.
KM198H	Miter Gauge Hydraulic Table	7 lbs.



Clausing Installed Welder, Shear and Grinder. Welder Capacity: 1" Carbon Blades.

Part No.	Voltage	Weight
SM1975/H	230v	60 lbs.
SM1975/R	460v	60 lbs.



Part No.	Description
KM1250	Chevron Guide Inserts 1/8" (Set of 4)
KM2500	Chevron Guide Inserts 1/4" (Set of 4)
KM3750	Chevron Guide Inserts 3/8" (Set of 4)
KM5000	Chevron Guide Inserts 1/2" (Set of 4)
KM7500	Chevron Guide Inserts 3/4" (Set of 4)
KM1000	Chevron Guide Inserts 1" (Set of 4)

Clausing Kalamazoo Vertical Bandsaw Material Handling

Part No.	Description	Weight
SA24T	21" x 10' (31" - 39") Heavy-Duty Roller Table	485 lbs.
SA25T	21" x 5' (31" - 39") Heavy-Duty Roller Table	325 lbs.
SA26T	25" x 10' (31" - 39") Heavy-Duty Roller Table	500 lbs.
SA27T	25" x 5' (31" - 39") Heavy-Duty Roller Table	325 lbs.



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