

# Tilt Frame Miter Saw

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



## Saw Features...

- ◆ **Great versatility, fast and easy set-up...** The saw frame hydraulically tilts to any angle between 30° left and 30° right from control panel. High and low frame travel speeds for exact positioning of the miter angle
- ◆ **Large cutting capacity...** Up to 24.4" x 18" at 90°, 14.96" x 18" at 45° left and right and 10.62" x 18" at 30° left and right
- ◆ **Front mounted control panel...** Easily control all sawing functions, miter angle, blade speed, etc.
- ◆ **Fast and accurate miter settings...** Digital display of miter angle with an accuracy of 0.1°
- ◆ **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
- ◆ **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, guarantee 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
- ◆ **Flood coolant...** Equipped with a recirculating flood coolant system

## Standard Features



Front mounted control panel that controls all sawing functions such as saw frame tilt, blade speed, saw frame cant, right & left vise clamp/release, guide arm up/down, easy to read blade speed chart and a HMI touch screen.

HMI touch screen allows the operator to simply touch the screen to start and stop the hydraulic systems, start and stop blade, turn coolant on and off, left and right vise lock and unlock, slow/fast material feed mode or frame tilt mode as well as blade speed display, frame angle display and many other system control functions.



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.



Hydraulic pressure gauges are mounted in the control panel. This lets the operator to 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	
Cutting Capacity	Height	Width	Height	Width
90° round	17.3" (440mm)	17.3" (440mm)	15.1" (385mm)	15.1" (385mm)
90° rectangular	25.4" (645mm)	17.3" (440mm)	24.4" (430mm)	15.1" (385mm)
45° rectangular right	17.5" (445mm)	17.3" (440mm)	15.1" (385mm)	15.7" (400mm)
45° rectangular left	17.7" (450mm)	17.3" (440mm)	16.3" (415mm)	15.1" (385mm)
30° rectangular right	12.2" (310mm)	17.3" (440mm)	9.6" (245mm)	16.3" (416mm)
30° rectangular left	12.5" (320mm)	17.3" (440mm)	11.4" (290mm)	15.1" (385mm)
Blade speed (infinitely variable)	65-393 ft/min (20-120 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	40.1" (1020mm)			
Bandwheel diameter	18" (458mm)			
Max. vise opening	17.7" (450mm)			
Jaw size	16.7" x 9.2" (425 x 235mm)			
Coolant capacity	34 gallons (130 liters)			
Coolant pump	1/4 Hp (.17 Kw)			
Blade size	191.73" x 1.33" x .040" (4870 x 34 x 1mm)			
Drive motor	5 Hp (230/460v 3ph)			
Net weight	5705/5815 lbs. (2588/2638kg)			
Shipping weight	6005/6115 lbs. (2724/2774kg)			
Dimensions L/W/H	94.5" (2400mm) / 59" (1500mm) / 104" (2645mm)			

All specifications subject to change without notice or obligation.

## Standard Equipment

- ◆ Powerful 5 Hp drive motor
- ◆ Inverter variable speed drive
- ◆ Hydraulic blade tension with pressure indicator
- ◆ Digital display of miter angle, 0.1° accuracy
- ◆ **Hydraulic vise on model VG450MP**
- ◆ Flood coolant system
- ◆ Solid carbide blade guides
- ◆ Operation and parts manual
- ◆ Power Vise

## Optional Equipment

- ◆ Work light
- ◆ 25" x 10" heavy duty roller table, adjustable height 31" to 39"
- ◆ 25" x 5" heavy-duty roller table, adjustable height 31" to 39"
- ◆ Right side manual vise