



**BAXTER
VERTICUT[®]
INC.**
BANDSAW MACHINES



- **ROUND CUTTING CAPACITY**
 - 19½" DIAMETER AT 90° AND ±45°
- **RECTANGULAR CAPACITY**
 - 19½" X 27½"
- **MITTER CUTTING**
 - 0° TO ±45°
 - DIGITAL DISPLAY
 - ADJUSTABLE TILT SPEED



- **BLADE SIZE**
 - 1¼" X 17'
- **BLADE MOTOR**
 - 7½ HP
- **FULL STROKE HYDRAULIC VISES**
- **HYDRAULIC BLADE TENSION**
- **HYDRAULIC UPPER GUIDE MOVEMENT**
- **FRONT AND REAR TRAVEL STOPS**



MADE IN CANADA

**BAXTER SAW™ - MODEL 500MV
MITERING VERTICAL BANDSAW**

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CUTTING CAPACITY

Round at 90°	19½" (500 mm)
Round at 45°	19½" (500 mm)
Rectangular	19½" x 27½" (500 x 700 mm)

SPECIFICATIONS

Blade Size	1¼" x 17' (38 x 5180 mm)
Blade Speeds (ft/min)	80 to 450 (18 to 122 m/min)
Blade Tension (spring compensated)	25,000 psi (172 MPa)
Table Height	41¾" (1060 mm)
Maximum Work Load	6,000 lb. (2700 kg)
Machine Weight	4,000 lb. (1800 kg)
Overall Dimensions	117" x 63" x 106½" (2890 x 1600 x 2705 mm)

DRIVE

Blade Drive	7½ Hp (5.5 kW)
Hydraulic Drive	3 Hp (2.2 kW)
Voltages available (three phase)	575 and 460

FEATURES INCLUDED AS STANDARD EQUIPMENT

- Machine can miter cut 45 degrees to the right and left, as well as cut vertically
- Angle is adjusted hydraulically
- Material is clamped by hydraulic vises – left & right of blade
- Variable vise pressure with panel mounted adjusting valve
- Machine movement is on linear bearings to provide maximum rigidity and smooth motion
- The saw head feed utilizes a load sensing valve which stops the feed if the blade starts to overload, typical when cutting the web of structural shapes
- Blade Guides are carbide faced with roller to remove blade twist and dampen vibration
- Magnetic motor starter with automatic shut off at the end of cut, motors thermal overload protection
- Blade is preloaded to optimize cutting
- Blade tension is adjusted hydraulically
- Blade drive system consists of a direct drive, high efficiency planetary gear drive. Blade speed controlled with a variable frequency drive
- Manual saw forward, saw retract, saw cut, vises open/closed, slow and fast and saw head tilt
- Semi automatic cut cycle consists of saw start, saw cut, saw stop, and saw retract
- Adjustable stops for saw travel forward allow notching of blocks and saw retract to allow for different sizes of material
- Steel wheels with ductile iron hubs
- Flood coolant system to both saw guides and an adjustable nozzle mounted on a saw head, all with adjustable flow rates
- Electrical system uses only C.S.A./UL approved components and is electrically approved
- Premium quality bimetal bandsaw blade
- Instruction and parts manual

MODEL 500MV

OPTIONS

- Adjustable Head Cant of 3°
- Blade on Hour Meter
- Conveyor 10' long
- Laser Line Cut Indicator
- Swivel Vise Jaws