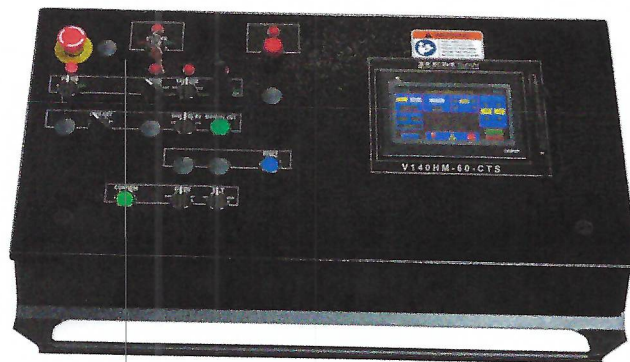


STANDARD FEATURES

- Saw:** Vertical Tilt-Frame Production Band Saw
- Saw Capacity:** 24" W x 31" H @ 90°
- Miter:** 24" W x 21" H @ 45° (L) & (R)
24" W x 13.5" H @ 60° (L)
24" W x 13" H @ 60° (R)
- Blade Size:** 1-1/2" x 20'0" x .050" THK
- Blade Drive:** 10 HP, 220V (48 amps)/3PH or 440V (24 amps)/3PH Electrical Motor Requirement.
220V or 440V AC to be specified by the customer at the time of order. 1800 rpm, ball bearing TFC
The customer must ground this saw at the machine with an earth ground rod installed prior to installation for the warranty to be in effect.
- Blade Speed:** Infinitely variable speed drive controlled through a variable frequency controller and speed is changed from readout on console's touch screen.
- Hydraulics:** 5 HP Hydraulic System
- Power Programmable Tilt:** The required angle can be entered on the console and the saw head will travel to that position and lock in place. The angle readout is on the touch screen.
- Operator Control:** Control Console is located on front of saw in a Swing-away Console, with 7" Omron touch screen controls, for operator convenience. Saw may be operated in semi-automatic mode.



Touch Screen:

The touch screen display provides easy to use menu navigation to operate, select cutting options, and monitor / troubleshoot the saw.



Manual / Semi-Auto Cut - Allows the operator to set the saw up to make a single, semi-automatic or manual cuts.



More - The "MORE" icon provides access to the Control Panel and the Help Files.

**E.C.T. Controls:**

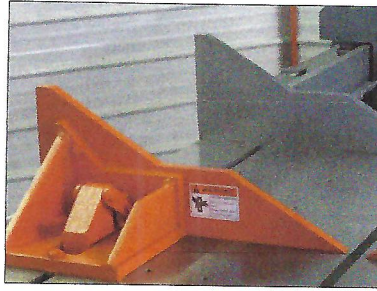
The Electronic Controlled Traverse (E.C.T.) allows the operator to set blade traverse speed and cutting force for different material sizes and shapes. Each function offers 0 to 100% of the machine's capability as related to total feed force or feed rate.

Cut Stop:

Forward cut-stop is mechanically linked to the vise and automatically adjusts with the vise opening.

Main Vise:

The Main Vise is full-stroking with adjustable clamping pressure to clamp various metals.

**Carbide Blade Guides:**

Side and back carbides are flat for maximum blade support.

Blade Chip Brush:

Powered brush driven by an assembly mounted on the drive wheel removes chips that may become lodged in the blade gullets.

Powered Guide Arm:

The upper guide arm is column supported. It is positioned 90° to the work and is height adjustable for better blade control to ensure square cuts. Movement of the guide arm is powered from the control console.

Powered Blade Tension:

Blade Tension is powered, assuring and maintaining proper blade tension at all times during the cutting process.

Base Rollers:

Set of idle, non-lifting rollers – one on each side of the saw base.

Built-In Coolant System:

Machine is set up for flood-style coolant system with coolant dispensed a flex-tube nozzle to flood the center of the cut. The saw is fully panned to return coolant to the tank.

Wash-Down Hose:

A cutting fluid clean-up hose is provided for machine wash down.

Blade Break Switch:

Saw will automatically shut off if the blade breaks.

Safety Key-Lock:

The safety Key-Lock is used to lock out band motor operation while changing the blade. **WARNING!** The Safety Lockout Key does NOT turn off all power to the saw. To shut down all power, the main disconnect must be turned off.

Safety Guards: Machine is equipped with blade guards and awareness barriers for safety purposes.

Price: **\$124,095.00 – FOB Pryor, Oklahoma**

Terms: 20% Deposit with order required, 30% due before Shipment and Balance due Net 30 Days from Shipment with approved credit.

Installation: A factory-trained representative will assist on the installation of the new machine at your facility, and will be available to train all necessary personnel to assure immediate full use of the equipment.

Spare Parts Kit: A parts kit containing miscellaneous small items such as fittings, fuses, and limit switches is provided for start-up.

Warranty: The seller will repair or replace to the purchaser, upon inspection, any defective part for a period of one (1) year or 2,000 hours, whichever comes first, from the date of shipment.

Note: This machine is manufactured in its entirety in Pryor, Oklahoma, USA.

Parts availability is immediate

OPTIONAL FEATURES

Spray Mist Lubrication: Spray mist lubrication system with a selector switch located on control console to select and to switch back and forth from flood coolant or spray mist lubrication. **Requires Air Supply*

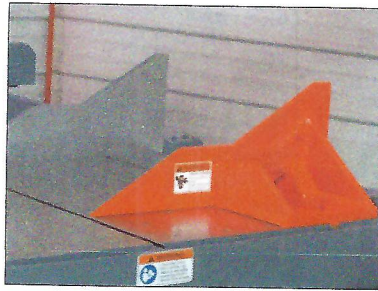
Price: \$1,395.00



Second Main Vise:

Additional powered vise on the discharge side of the blade. This full-stroking vise is used for additional clamping.

Price: \$4,895.00

**Swing-Away Top Clamp:**

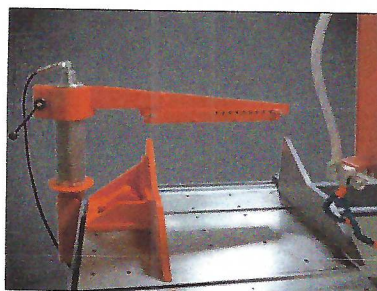
For vertical clamping of structural shapes and when entire "mill bundles" are to be cut. Top Clamp swings out of the way to top load or miter. Note: Maximum capacity of the Top Clamp is capacity at 45°.

Price: \$7,395.00 – Main Vise

**Reduced Capacity Top Clamp:**

Top Clamp for bundle cutting

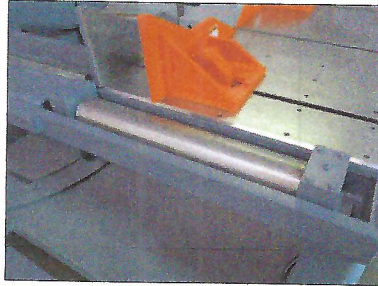
Price: \$3,595.00 – Main Vise
(Capacity 18" W x 9" H)



Lift-Up Roller:

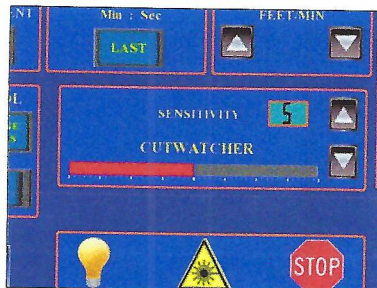
Power Raised Lift-Up Roller can be added on each side of the saw base for ease of material movement. The roller is power raised from the control console, but roller itself is idle. Customer has the option of purchasing one side only or both sides. For one side only, customer must designate which side of base they want the roller installed on.

Price: \$2,195.00 per side

**Cut Watcher® System:**

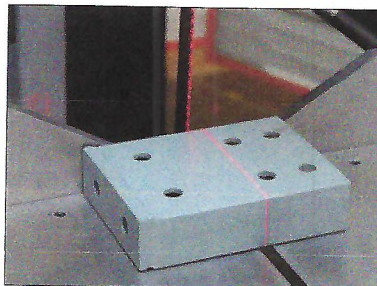
A system that monitors the cut for squareness to a pre-set deviation value. The system shuts down the saw when the pre-set value is exceeded. This is a must option for production cutting. (Reduces vertical capacity by 1") (PATENT: 5,070,751)

Price: \$3,795.00

**Laser Light System:**

A laser light that indicates either above or below where the blade will enter the material for the cut.

Price: \$1,395.00

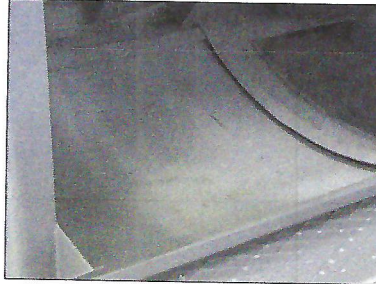


Chip Conveyor:

Removes the chips in a sideways motion to each side of the machine into a chip bin. This system includes two chip bins for easy removal.

Price: \$1,795.00 Manual Hand-Crank

Price: \$3,495.00 Powered



Right to Left Material Flow: Changing the standard left-to-right material flow direction to optional right-to-left material flow.

Price: \$2,895.00

Pedestal Control Console: A control console that is mounted on a pedestal with specified length of the umbilical.

Price: \$2,695.00



Roll-Around Control Console: Roll-Around control console in lieu of the standard swing away console. Standard length of the umbilical is 6'.

Price: \$4,795.00

Load Table:

Idle or Powered Roller table for staging material to be cut with the saw. Bolts on to the saw, is coolant panned and height adjustable

Price:	5' x 29" Idle	- \$6,895.00
	10' x 29" Idle	- \$9,595.00
	10' x 29" Powered	- \$18,495.00

**Roller Discharge Table:**

Idle or Powered Roller Discharge Table for easy material handling after the cut. The table bolts to the saw, is coolant panned and height adjustable to assure true cuts. The table has 14" roller centers.

Price:	5' Idle	- \$6,895.00
	10' Idle	- \$9,595.00
	10' Powered	- \$18,495.00

**Stock Table:**

Free standing, non-powered, idle roller table to be used for long length materials. Tables are non-panned for coolant and have 28" roller centers.

Price:	5' x 29" Idle	- \$4,595.00
	10' x 29" Idle	- \$6,195.00
	10' x 29" Powered	- \$13,795.00



Hydraulic Tank Heater and/or Cold Weather Package:

HE&M Saws are designed to operate efficiently at temperatures above 32° F (0° C). If environmental conditions exist below this temperature, we strongly recommend adding a hydraulic tank heater and/or a "cold-weather package" to the saw order.

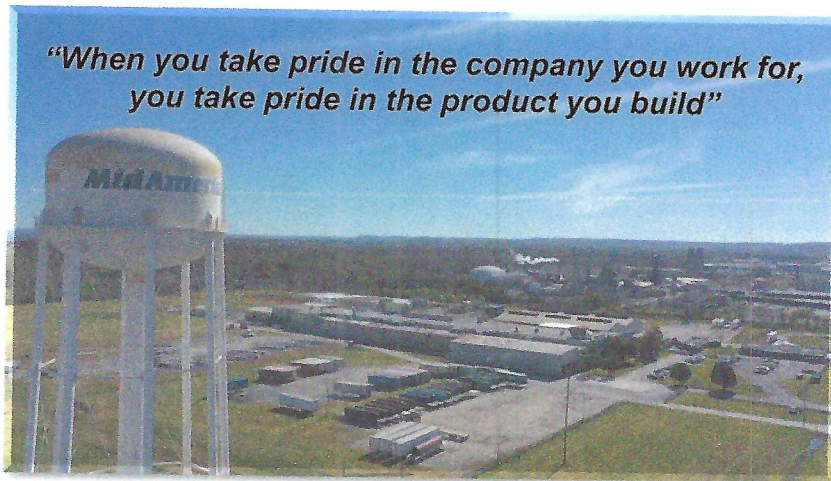
Hydraulic Tank Heater Price: \$1,195.00

Cold Weather Package Price: \$5,695.00

This quotation is firm for thirty (30) days from the date of issue and is not an offer to sell until we have agreed to the options, form of payment, terms, and conditions prior to accepting an order. HEM Inc., whose policy is one of continuous improvement, reserves the right to change the design, price, and/or specifications at any time, without notice, and without incurring any obligations.

Please visit www.hemsaw.com to view photos/videos of this equipment.

Much more than building band saws... Catch a glimpse of what we're made of.



[Click to watch HE&M Saw Plant Tour & Band Saw Overview Video](#)

HE&M SAW QUOTE SUMMARY PAGE

Quote Number: 242-25

Date: March 18, 2025

Moore's Welding & Fabrication

1343 Baker Ave.

West Branch, IA 52358

Contact: Matt Moore

Phone: (319) 325-2822

Email:

mooreswelding@earthlink.net

Smith Machinery

Contact: PJ Foutch

Model: V140HM-60-CTS

Saw Type: Vertical Band Saw

Capacity: 24" W x 31" H @ 90°

24" W x 21" H @ 45° (L)

24" W x 21" H @ 45° (R)

24" W x 13.5" H @ 60° (L)

24" W x 13" H @ 60° (R)

Blade: 1-1/2" x 20'0" x .050"

Motor: 10 HP

Hydraulics: 5 HP

Operation: Semi-Automatic



Standard Features

Swing-Away Control Console w/ 7" Touch Screen

Programmable Powered Tilt w/ Angle Readout

Full Stroking Main Vise/Variable Vise Pressure

Variable Blade Speed w/ Readout on Touch Screen

Carbide Blade Guides

Powered Guide Arm

Powered Blade Tension

Electronic Controlled Traverse

Built-In Coolant System w/ Wash-Down Hose

Hydraulic Machine

220V(48 amps)/3PH or 440V(24 amps)/3PH Electrical Motor Requirement

*Amps increase w/added options

– This is Not a Dual Voltage Machine

Price

\$124,095.00

Optional Features

Full Stroking 2nd Main Vise	\$4,895.00	Roll-Around Control Console	\$4,795.00
Swing-Away Full Capacity Top Clamp - Main Vise	\$7,395.00	Material List w/ Larger 8" Touch Screen	\$1,695.00
Reduced Capacity Top Clamp - Main Vise (Capacity 18" W x 9" H)	\$3,595.00	5' x 29" Idle Roller Load Table	\$6,895.00
14" H Wearplates		10' x 29" Idle Roller Load Table	\$9,595.00
(Saw only miters to 45° on side it's mounted on)	\$1,295.00 per side	10' x 29" Powered Roller Load Table	\$18,495.00
Laser Light System	\$1,395.00	5' x 29" Idle Roller Discharge Table	\$6,895.00
Cut Watcher System	\$3,795.00	10' x 29" Idle Roller Discharge Table	\$9,595.00
Power Raised Lift Up Rollers - Per Side	\$2,195.00	10' x 29" Powered Roller Discharge Table	\$18,495.00
Manual Hand-Crank Chip Conveyor	\$1,795.00	5' x 29" Idle Non-Panned Roller Stock Table	\$4,595.00
Powered Chip Conveyor System	\$3,495.00	10' x 29" Idle Non-Panned Roller Stock Table	\$6,195.00
Right to Left Material Flow	\$2,895.00	10' x 29" Powered Non-Panned	
Spray Mist Lubrication -Flood/Mist Selector Switch		Roller Stock Table	\$13,795.00
*Requires Air Supply	\$1,395.00	Hydraulic Tank Heater	\$1,195.00
Pedestal Mounted Control Console - 12' Umbilical	\$2,695.00	Cold Weather Package	\$5,695.00

Terms: 20% Deposit with order required, 30% due before Shipment and Balance due Net 30 Days from Shipment with approved credit.

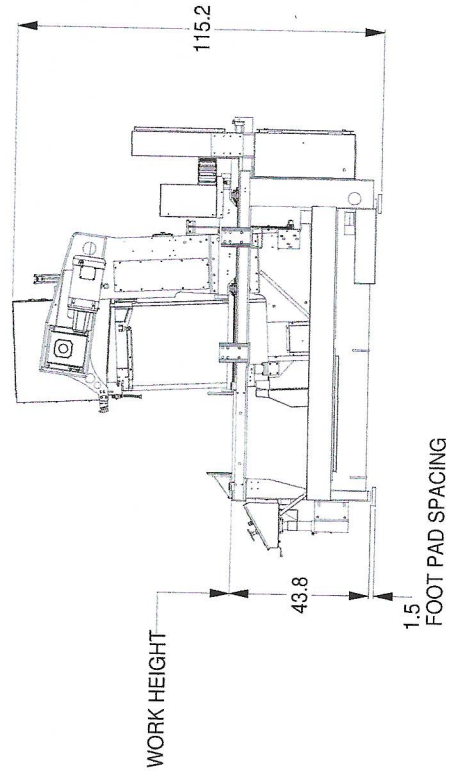
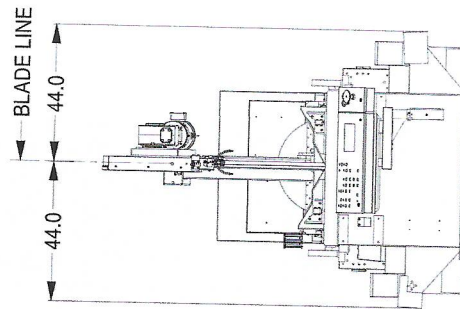
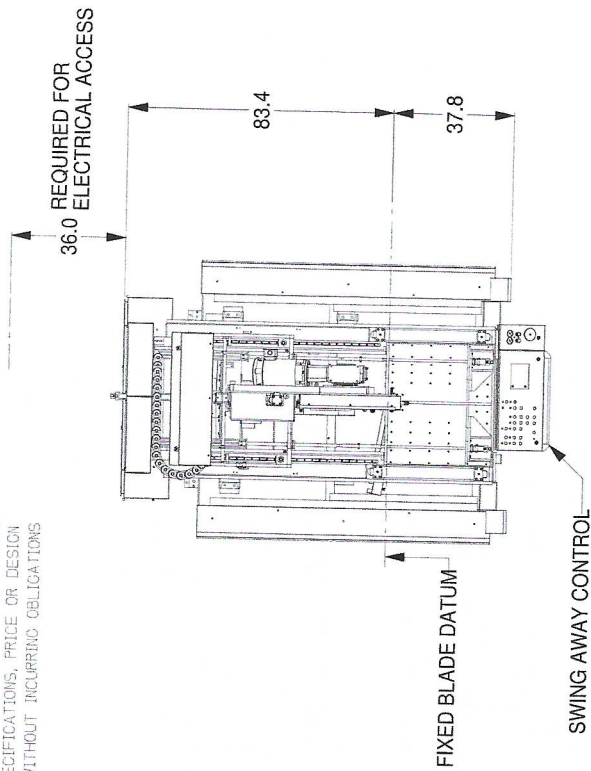
If you wish to proceed with this order, please sign here and e-mail back to nblakemore@hemsaw.com

PO#: _____

Please confirm your voltage here:

NOTE: HEM INC. WHOSE POLICY IS ONE OF CONTINUOUS IMPROVEMENTS,
RESERVES THE RIGHT TO CHANGE SPECIFICATIONS, PRICE OR DESIGN
AT ANY TIME WITHOUT NOTICE AND WITHOUT INCURRING OBLIGATIONS
ALL DIMENSIONS +/- .100"

NOTE: SHOWN WITH OPTIONAL 2ND MAIN VISE



FINAL
ENGINEERING RELEASED

APPROVAL _____

DATE _____

VOLTAGE _____

HEM INC.
MID-AMERICA INDUSTRIAL DISTRICT
P.O. BOX 1148 PRYOR, OK 74361
LAYOUT
VT140HM-60
B-006516-796-01-A

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