

# HEM<sup>®</sup> SAW

—The saw that cuts straight.—

## WF190LM-DC



*\*Shown w/ Optional Top Clamps,  
Chip Conveyor & Spray Mist*

### Wide Flange, Heavy-Duty, Metal-Cutting Production Band Saw

Capacity: 44" W x 25" H • Blade: 2" x 29'0" x .063" • 9.2° Permanent Arm Tilt  
Motor: 15 HP • Hydraulics: 5 HP

#### Swing-Away Control Console

The Control Console is located on the front of the saw, in a swing-away console, for operator convenience.





## 24" Roller Discharge Table

A standard Roller Discharge Table provides easier handling after the cut. The table is 24" in length and is fully coolant panned.

## Full Stroking Bi-Directional Main Vise

A Full-Stroking Bi-Directional Main Vise clamps material at the turn of a switch, and holds the material in place to ensure accurate cuts. The clamping pressure is easily adjusted to clamp various materials. *\*Optional Top Clamp shown in photos.*



## Carbide Blade Guides & Lead In/Lead Out Roller Guides

A blade guide system is composed of side and back guides, which are flat carbide inserts.

In addition to precision-ground flat carbides, roller guides are used to reduce vibration when cutting hard materials.





## Built-In Flood Coolant System

The saw has a totally built-in coolant system with sealed coolant pump, with coolant that is dispensed through a flex-tube nozzle and the guides on each side of the cut.

*\*Optional Top Clamp shown in photo.*



## Adjustable Feed Rate & Cut Pressure

The saw arm Feed Rate can be adjusted from zero to 3 inches per second. Cutting pressure can be adjusted for effective metal removal rates.

## Blade Brush

A shaft-driven Blade Brush is standard for positive removal of metal chips that lodge in the blade gullets. This system ensures a cleaner blade, more accurate cuts, and prolonged blade life.



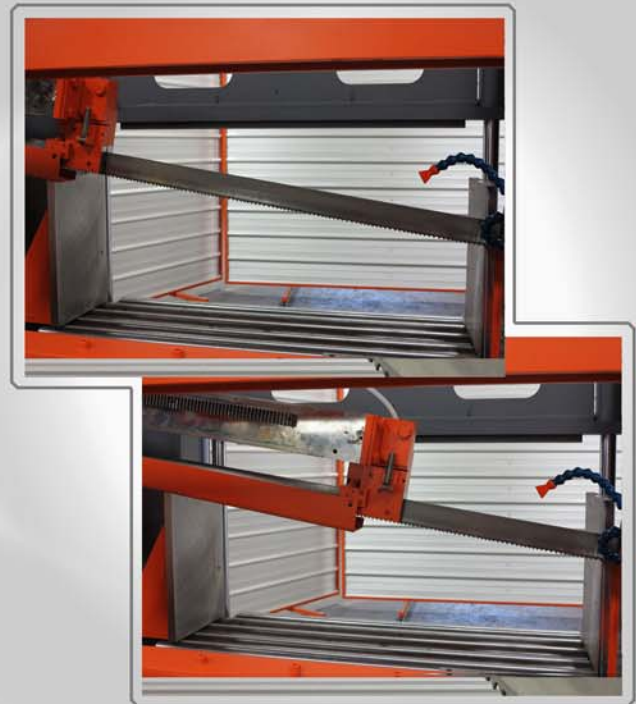


## Push Button Blade Speed

Blade speed can be adjusted with an infinitely variable speed drive from the console with push button controls. The blade speed is shown on the console with LED Readout.

## Powered Guide Arm

The Powered, Moveable Guide Arm provides optimum blade support as material size changes. It quickly adjusts the guides that hold the blade securely, providing straighter cuts and longer blade life. *\*Optional Top Clamps shown in photos.*



## Powered Blade Tension

The Powered Blade Tensioner maintains proper blade tension at all times during the cut, compensating for blade stretch. Changing blades on the saw is done in minutes, with the use of the Powered Blade Tensioner.



## Emergency Stop

The saw is equipped with a safety Emergency Stop cut-off switch. This allows the operator to closely monitor the cutting process and quickly stop it if needed.



## Other Safety Features

The Safety Lockout Key is used to disable saw operation during maintenance.

The saw will automatically shut off if the blade breaks, shown by the Broken Blade Indicator.

The Panic Stop halts all automatic functions.

## Optional Chip Conveyor System

An Optional Chip Conveyor removes chips from the cutting area into an easy-to-empty container. Chips and coolant are automatically separated into two different containers.





## Optional Computer Controlled Traverse

The Optional Computer Controlled Traverse, or CCT, controls the feed rate and cutting force to maintain the optimum cutting rate.

With the CCT option, a Material List is provided with the touch screen. The list includes the recommended blade speeds, cutting rates and blade pitch for the type and size of material.

## Optional Shadow or Laser Light System

The Shadow Light uses a high intensity light that casts a shadow of the blade onto the material to be cut, indicating the exact spot where the blade will enter the material.

A Laser Light indicates either above or below where the blade will enter the material for the cut.



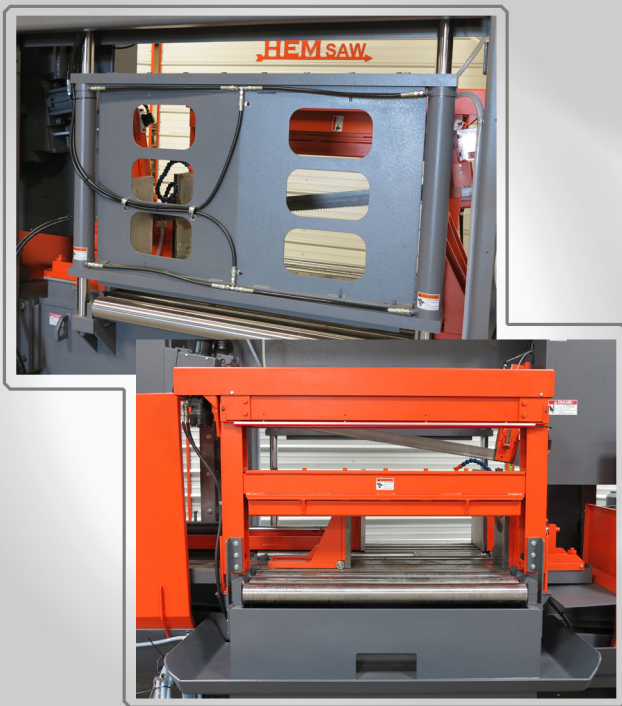
## Optional Spray Mist Lubrication

The optional spray mist system lubricates the blade with a mist that is adjustable at a rate of 4 - 200 pulses per minute, pushing the mix of oil/air out of the delivery line to the nozzle.



## Optional Cut Watcher<sup>®</sup> System

The patented Cut Watcher<sup>®</sup> system 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 for production cutting.



## Optional FC Top Clamp - Main or Outboard Vise

A Full Capacity Top Clamp can be added to the main vise or the outboard vise for vertical clamping of structural shapes and when entire "mill bundles" are to be cut.

## Optional Bi-Directional Outboard Powered Vise

An Optional Outboard Bi-Directional Vise on the Discharge helps with clamping of material.



## Other Available Options:

Optional Consoles, and Discharge, Load & Roller Stock Tables/Extensions



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Chip Conveyor & Spray Mist*

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**Wide Flange**

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# HEM Wide Flange: WF190LA-DC-CTS

Capacity: 44" W x 25" H • Blade: 2" x 29'0" x .063" • Motor: 15 HP  
Hydraulics: 5 HP • Bar-feed: 0-48" Stroke Servo Twin Ball-Screw (Multiple Index)



\*Shown w/ Optional Top Clamps  
& Outboard Vise

## Standard Features

Swing-Away Console w/ Touch Screen Controls  
Computer Controlled Feed System  
9.2° Permanent Arm Tilt  
24" Roller Discharge Table  
Full Stroking Bi-Directional Vises  
Adjustable Clamping Force  
3rd Holding Vise on Feed  
Carbide Blade Guides  
Lead In/Lead Out Roller Guides  
Cut Watcher® System  
Adjustable Cutting Force & Feed Rate  
Powered Guide Arm  
Push Button Blade Speed w/ LED Readout  
Blade Brush  
Chip Conveyor System  
Height Adjusted from Console  
Material Jogging  
Powered Blade Tension  
Flood Coolant System w/ Wash-Down Hose  
Broken Blade & Out of Stock Indicators  
Safety Lockout Key & Safety Guards

220V/3PH or 440V/3PH Electrical Motor Requirement  
– This is Not a Dual Voltage Machine



\*Shown w/ Optional Features

## Optional Features

0-120" Stroke Servo Twin Ball-Screw Bar-Feed  
Full Capacity Top Clamp – Main &/or Feed Vise  
Full Capacity Top Clamp – Outboard Vise  
Bi-Directional Outboard Powered Vise  
Hydraulic Computer Controlled Traverse  
2-5/8" Blade Option  
Laser Light or Shadow Light System  
Spray Mist Lubrication  
Optional Control Consoles  
5' or 10' Discharge Table Extension  
Idle or Powered Roller Stock Tables

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