

# HEM<sup>®</sup> SAW

— The saw that cuts straight. —

# KTC-150SP



## High-Speed Circular, CNC Carbide Sawing Machine

Capacity: 0.787 – 4.133" W x 0.787 – 4.133" H (Square) • 0.787 – 5.118" (Round)  
Blade: Ø460 x 2.7 t mm TCT Carbide Tipped / Ø450 x 5 t (max.) HSS High-Speed Steel  
Motor: 20 HP (208-240V, 50/60 hz, 3-Phase) • Hydraulics: 5 HP

## Control Console w/ Touch Screen

High-resolution, color touch screen on console provides easy viewing when setting machine & cutting functions.



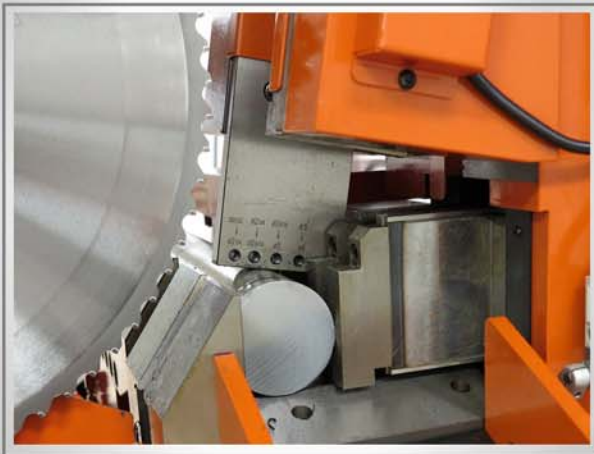


## Servo Drive Motor

Saws have servo drives for feeding the saw head allowing for dynamic entry and exit speeds to extend blade life and eliminate burrs.

## Hard-Plumbed Hydraulics

Hard-Plumbed Hydraulic System provides a more consistent and stable output.



## Horizontal & Vertical Vise

The saw vise has both horizontal and vertical clamping to ensure stability and accuracy during the cut.

## Mist & Flood Coolant

The saw includes both Mist and Flood Coolant to accommodate carbide tooth or high speed steel blades.



## Adjustable Blade Speed

Variable blade speed is adjustable from 20-180 rpm to cut various materials.

## Magnetic Power Brake & Fan

A Magnetic Power Brake and Fan reduces backlash and vibration resonance for a smoother cut and longer blade life.





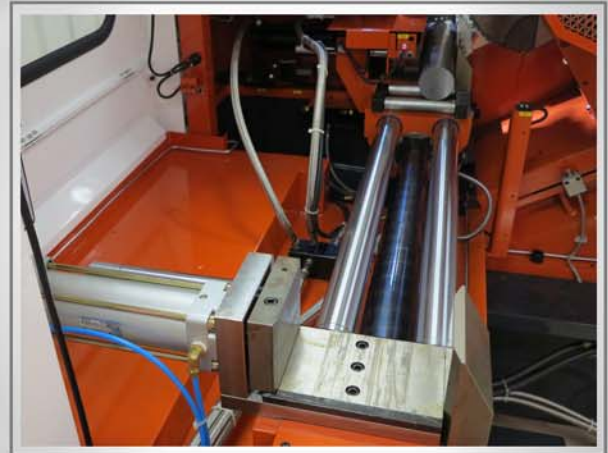
## Chip Removal

An Air Gun and Chip Conveyor come standard for chip removal.



## Automatic Work Piece Loader

An Automatic Work Piece Loader with 3rd Holding Vise is standard for handling and positioning of material before the cut.



## Automatic Product Sorting

Trim cuts are separated automatically from the good cuts with Automatic Product Sorting.



## Control Panel

The touch screen provides real time monitoring and system diagnostics for easy troubleshooting.

I/O TEST INPUT	I/O TEST INPUT 1	I/O TEST OUTPUT	MAIN MENU
X0: SAW HEAD ORIGIN (LS1)	X24: SAW MOTOR OVERCURRENT DETECT	X25: MIST OIL LEVEL LOW DETECTED	X26: OIL MIST FILTER OVERLOAD(OL7)
X1: SAW HEAD BACKWARD LIMIT (LS2)	X27: RESERVE	X28: LUBRICANT OIL LEVEL LOW	X29: GFC SERVO DRIVER FAULT
X2: SAW HEAD FORWARD LIMIT (LS3)	X30: SAW HEAD SERVO DRIVER FAULT	X31: SAW MOTOR OVERHEAT DETECTED	X32: MAIN VISE PRESSURE DETD(VPS2)
X3: GFC BACKWARD POSITION (LS4)	X33: SAW MOTOR OVERHEAT DETECTED	X34: AIR PRESSURE DETD(VPS1)	X35: GFC MCR-OPEN & CLAMP DETD(LS8)
X4: GFC FORWARD LIMIT(LS5)	X36: BAR DETECTED(PRX2) SPEED DOWN	X37: MOVE VISE (AXIS3) ORIGIN (LS13)	X38: MOVE VISE FWD LIMIT (LS14)
X5: GFC BACKWARD LIMIT(LS6)	X39: MOVE VISE BWD LIMIT (LS15)	X40: MOVE VISE (AXIS 3) SERVO ERROR	X41: MOVE VISE PRESSURE DETD(VPS3)
X6: GFC ORIGIN (LS7)	X42: MOVE VISE PLATFORM(LS16)	X43: MOVE VISE (UPPER) DETD(PRX3)	X44: RESERVE
X7: CROP LENGTH COUNTING (PH1)	X45: RESERVE		
X10: HYDRAULIC MOTOR START(MS1)			
X11: SAW MOTOR START/STOP(PLB2)			
X12: AUTO OPERATION START(PLB3)			
X13: OPERATION STOP(PB2) NO			
X14: SHIFT MANUAL MODE(COS1)			
X15: SHIFT AUTO MODE(COS1)			
X16: HYDRAULIC MOTOR START(PLB1)			
X17: EMERGENCY STOP(PB1) NC			
X20: BAR DETECTED(PRX1) NO BAR			
X21: HYDRAULIC MOTOR OVERLOAD(OL1)			
X22: COOLANT MOTOR OVERLOAD(OL3)			
X23: CONVEYOR MOTOR OVERLOAD(OL5)			



## Optional Stroking Front Vise

An Optional Stroking Front “Outboard” Vise can be added to Reduce Remnant Lengths.

**Other Available Options:** Bundle Loader

# HEM<sup>®</sup> SAW



**Band Saws • Material Handling • Metalworking Fluids  
Custom Applications • Factory Service Department • Fast-Available Parts**



**Horizontal Pivot**



**Horizontal Miter**



**Vertical**



**Dual Column**



**Wide Flange**

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**[www.hemsaw.com](http://www.hemsaw.com)**

P.O. Box 1148, Pryor, OK 74362

Toll Free: (888) 729-7787 • Phone: (918) 825-4821

Fax: (918) 825-4824 • [info@hemsaw.com](mailto:info@hemsaw.com)

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