

# HEM<sup>®</sup> SAW

— The saw that cuts straight. —

# KTC-100EH



## High-Speed Circular, CNC Carbide Sawing Machine

Capacity: 0.393 – 3.346" W x 0.393 – 3.346" H (Square) • 0.393 – 4.000" (Round)  
Blade: Ø360 x 2.6 t mm TCT Carbide Tipped / Ø440 x 2.0 t ~ 4.0 t mm (Max.) HSS High-Speed Steel  
Motor: 15 HP (208-240V, 50/60 hz, 3-Phase) • Hydraulics: 3 HP

### Control Console w/ Touch Screen

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



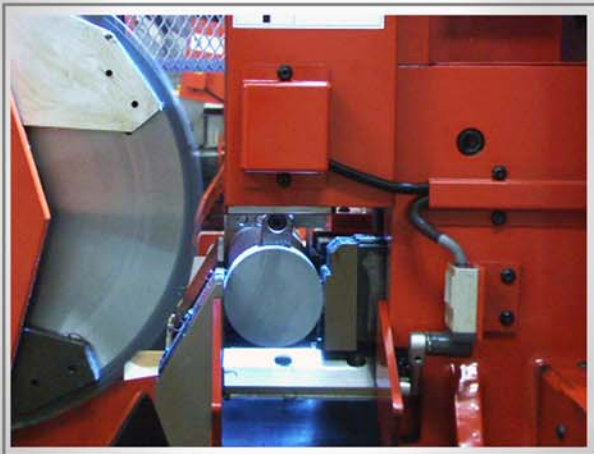


## **Servo Drive Motor**

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.

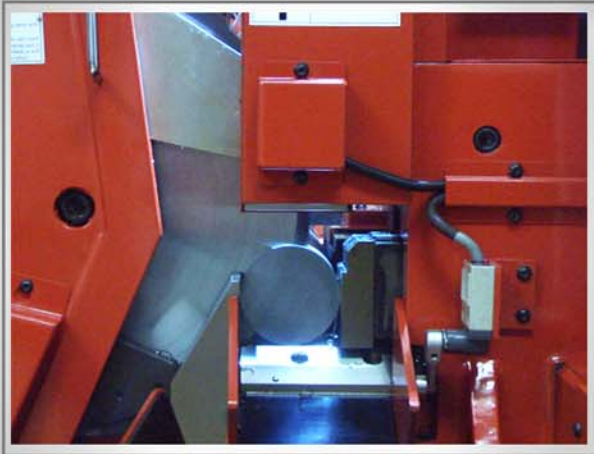


## **Horizontal & Vertical Vise**

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.





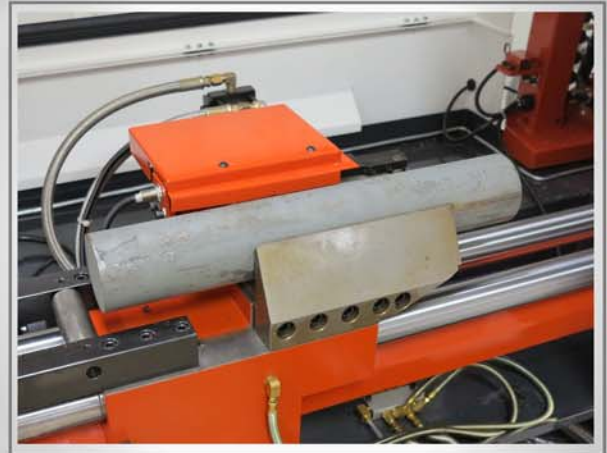
## Chip Removal

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



## Automatic Work Piece Loader

An Automatic Work Piece Loader is standard for handling and positioning of material before the cut.



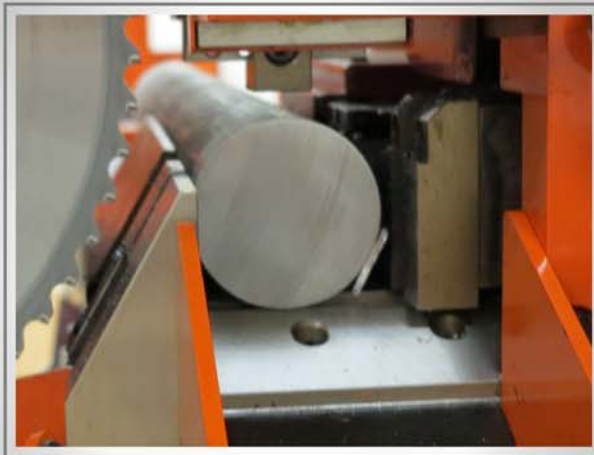
## Automatic Product Sorting

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	X30: LUBRICANT OIL LEVEL LOW	X31: GFC SERVO DRIVER FAULT
X2: SAW HEAD FORWARD LIMIT (LS3)	X32: SAW HEAD SERVO DRIVER FAULT	X33: SAW MOTOR OVERHEAT DETECTED	X34: MAIN VISE PRESSURE DETD(VPS2)
X3: GFC BACKWARD POSITION (LS4)	X35: AIR PRESSURE DETD(VPS1)	X36: GFC MCR-OPEN & CLAMP DETD(LS8)	X37: BAR DETECTED(PRX2) SPEED DOWN
X4: GFC FORWARD LIMIT(LS5)	X38: GFC MCR-OPEN & CLAMP DETD(LS8)	X40: MOVE VISE(AXISS) ORIGIN (LS13)	X41: MOVE VISE BWD LIMIT (LS14)
X5: GFC BACKWARD LIMIT(LS6)	X39: SAW MOTOR OVERHEAT DETECTED	X42: MOVE VISE FWD LIMIT (LS15)	X43: MOVE VISE(Axis 3) SERVO ERROR
X6: GFC ORIGIN (LS7)	X40: MOVE VISE(AXISS) ORIGIN (LS13)	X44: MOVE VISE PRESSURE DETD(VPS3)	X45: MOVE VISE PLATFORM(LS16)
X7: CROP LENGTH COUNTING (PH1)	X41: MOVE VISE BWD LIMIT (LS14)	X46: MOVE VISE(UPPER) DETD(PRX3)	X47: RESERVE
X10: HYDRAULIC MOTOR START(MS1)	X42: MOVE VISE FWD LIMIT (LS15)		
X11: SAW MOTOR START/STOP(PLB2)	X43: MOVE VISE(Axis 3) SERVO ERROR		
X12: AUTO OPERATION START(PLB3)	X44: MOVE VISE PRESSURE DETD(VPS3)		
X13: OPERATION STOP(PB2)NO	X45: MOVE VISE PLATFORM(LS16)		
X14: SHIFT MANUAL MODE(COS1)	X46: MOVE VISE(UPPER) DETD(PRX3)		
X16: HYDRAULIC MOTOR START(PLB1)	X47: RESERVE		
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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