

EVERISING MACHINE CO.  
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# I TECH SAW

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# THE COMBINATION OF ERGONOMICS & RIGIDITY

## Engineered for Efficiency and Profitability

The EVERISING E Series is a state-of-the-art band saw machine with number of intelligent functions are designed to be operator-friendly with modern engineering concepts.



## Functions with the Most Appealing Price-Performance Ratio

- 1 Safety First  
Safety blade changing device. (Patented)
- 2 Automatic adjusting dual wire brushes. (Patented)  
Prevent the blade from being damaged by sawing chips, and prolong the service lifetime of saw blade.
- 3 Features of Saw Blade:
  - The shorter blade length leads to an increase of efficiency while lowering cost of consumable part.
  - Available to use bi-metal blade and carbide blade.
  - The figure 3 shows an out of square detector.



### Everising own-designed:

- In combination with full color touch screen.
- Offering optimum down feeding condition and cutting method, applicable for standard as well as tough materials.
- Technical parameters / data library are controlled for easy operation and optimum performance.



Scanner (Optional)



- A HMI monitoring system
- B Diagnosis
- C Utilization
- D Drive analysis

# I Tech SERIES

**HIGH PRODUCTIVITY RESULTS FROM PROPER CUTTING PARAMETERS, AND AS SUCH EVERISING APPLIES TECHNOLOGY TO PUT IDEAS INTO PRACTICE AND TO OPEN NEW POSSIBILITIES IN DIGITAL TRANSFORMATION.**

**STRATEGIC DIGITAL TRANSFORMATION:**

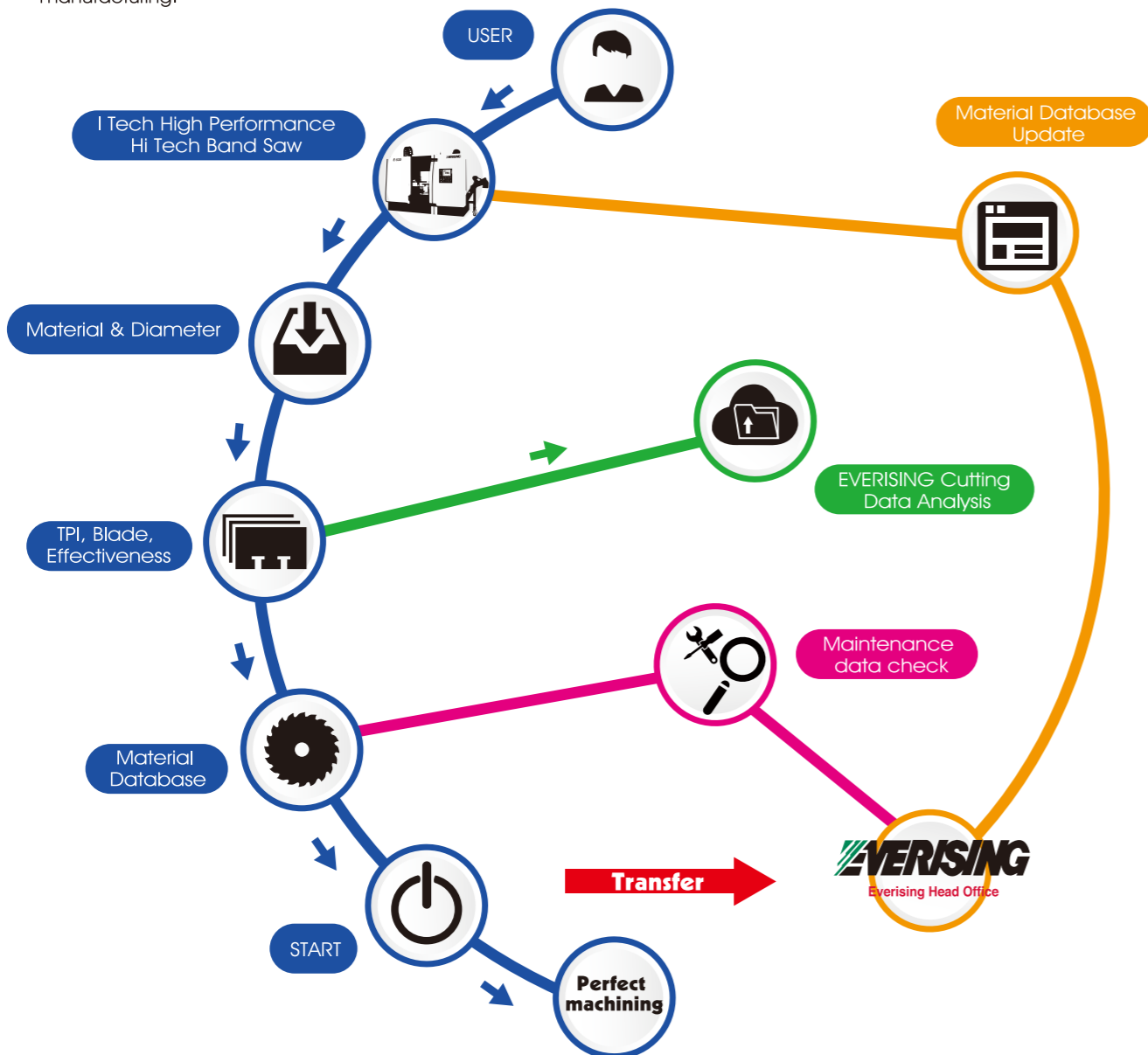
Based on the manufacturing strategic architectures including D (Data), I (Information), K (Knowledge), and W (Wisdom), we induce and integrate enormous amounts of existing data into useful information. We have compiled a machine performance and material database for 20 years, and have accumulated more than 60,000 instances of material information, which can be used for advanced machines and cutting data expertise for entry into the field of intelligent manufacturing.

**TAILORED INTELLIGENT MANUFACTURING:**

Everising's self-developed I Tech control system can be used for analysis of cutting data and sawblade conditions, through a cloud service platform. With the I Tech system, users can connect to the database in the cloud to obtain optimum cutting parameters and then transfer to the control system. The I Tech system is easy to operate, and increases productivity while reducing monitoring costs, and can be optimized into an interactive service. In addition, production data can be exported for statistics and analysis in combination with machine management service for full control of machine conditions.

**TOTAL RESOURCE MANAGEMENT TO ENHANCE THE ADVANTAGES OF INTELLIGENT MANUFACTURING:**

The I Tech system provides complete digitalization of existing manual hard copies, production uncertainty, management and maintenance difficulties, etc. Furthermore, it also employs "equipment utilization rate management, machine diagnosis management, sawblade service life diagnosis, and machine throughput" to upgrade the advantages of intelligent manufacturing.



## Temperature Cool Down

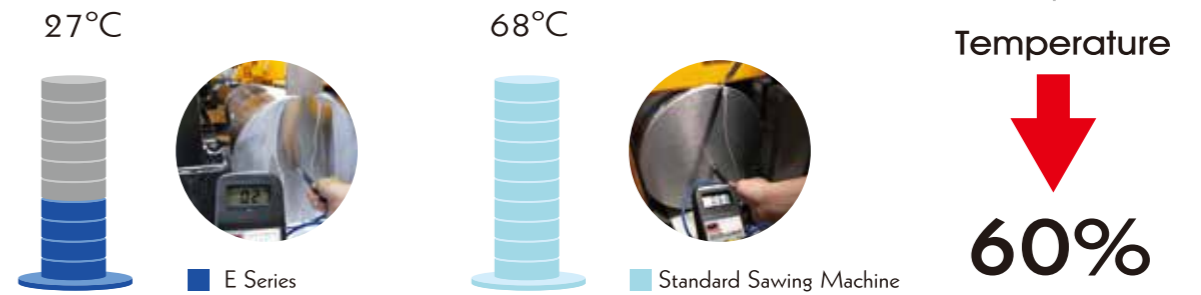


Automatic centering coolant supply unit cools down the cutting area directly.



Automatic centering compact coolant supply unit is able to cool cutting area directly. (Patented)

### Temperature



## Noise Reduction

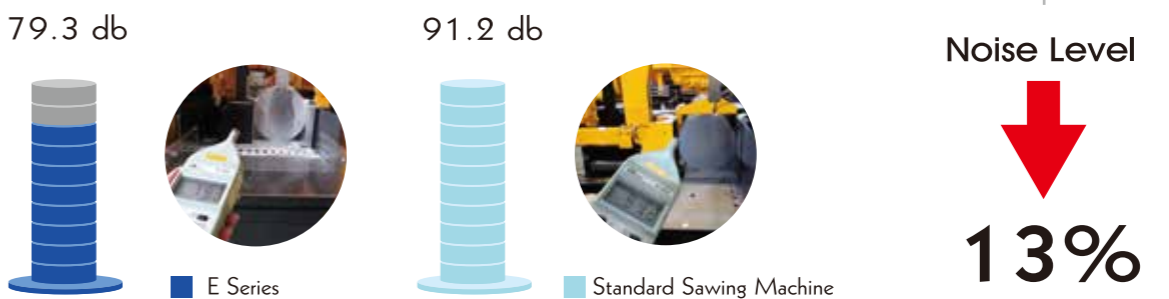


Automatic tracking blade guide for optimal blade strength with anti-vibration feature.



The new EVERISING tungsten carbide saw blade features smooth sawing performance.

### Noise Measurement



## Suppress Vibration

Power Anti-Vibration Roller and Built-in linear magnetic switch are employed for accurate bar in-feeds.



Applying high rigidity linear guide ways with gantry type frame.



Automatic blade tracking guide actuated by linear guide ways.

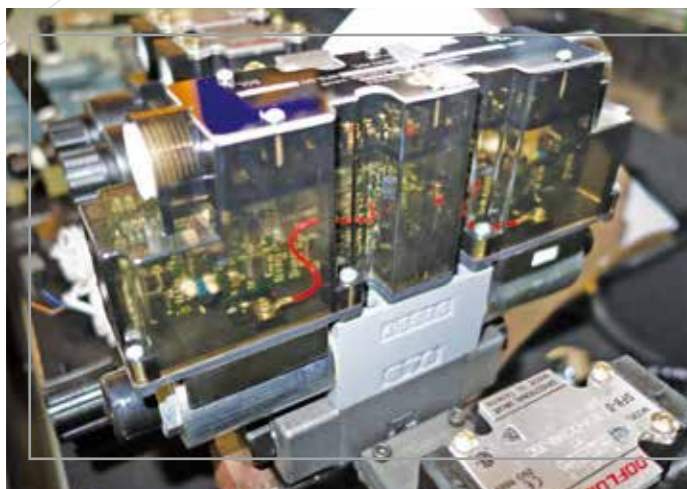


High torque gearbox quietly powers the saw blade.

## High precision feed system



Servomotor drive for added stability of material feed. (EP-330S & E-330)



Hydraulic feed in combination with the use of high precision valves (proportional valves) featuring small deviation. (E-430~E-830)



### Shockless hydraulic controlled bar feed shuttle system

- Two linear guide ways are employed for precision and stable last-cut.
- Two sawing positions respectively for long or short material.
- In feeding bars are firmly clamped by the twin floating vise at the front and rear side.
- The saw blade rises up automatically when a sawing cycle finished.

## E SERIES

## SPECIFICATION

Model	EP-330S	E-330	E-430	E-530	E-830	
CAPACITY	●	Ø30-330 mm	Ø30-330 mm	Ø30-430 mm	Ø30-530 mm	Ø250-830 mm
	■	30-330 x 400 mm	30-330 mm	30-430 mm	30-530 mm	250-830 mm
BLADE SIZE	5580 x 54 x 1.3 mm		4880 x 41 x 1.3 mm	6100 x 54 x 1.6 mm	6670 x 67 x 1.6 mm	8500 x 80 x 1.6 mm
BLADE SPEED	15-200 m/min		15-150 m/min	15-120 m/min	15-120 m/min	12-120 m/min
MOTOR	BLADE DRIVE	15 kW	7.5 kW	11 kW	15 kW	18.5 kW
	HYD. PUMP	3.7 kW	2.2 kW	2.2 kW	3.7 kW	3.7 kW
	COOLANT PUMP	375 W				
	WIRE BRUSH	120 W				
BLADE TENSION	Hydraulic					
CARBIDE CLAMPING	Hydraulic					
SAW FEEDING	AC servo motor		NC hydraulic			
SHUTTLE STROKE	AC servo motor + ball screw	500 mm AC servo motor + ball screw	500 mm NC hydraulic control		600 mm NC hydraulic control	
AUTO. CHIP CONVEYOR	Chain type					
MACHINE DIMENSION	3600 x 2100 x 2600 mm	2750 x 2100 x 2000 mm	3800 x 2000 x 2250 mm	4050 x 2100 x 2450 mm	5350 x 2200 x 3000 mm	
MACHINE WEIGHT	5600 kgs	5000 kgs	6300 kgs	7000 kgs	13000 kgs	

\* All specifications, dimensions and design characteristics shown in this catalogue are subject to change without prior notice.

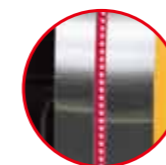
### STANDARD FEATURES

- Variable blade speed controlled by inverter.
- Guide arm travels on linear guide way and moves in coordination with the movable vise jaw.
- Technical parameters are CNC controlled for an optimal processing of workpiece.
- Out of square detector.
- Hydraulic blade tensioning.
- Idler wheel motion detector with blade stalling and breakage shutoff.
- Hydraulic actuated carbide blade guides.
- Roller type work table.

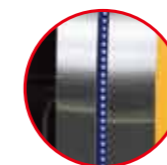
### OPTIONAL EQUIPMENT

- I Tech system
- 2M LONG DEAD ROLLER TABLE - STRONG TYPE.
- 2M LONG POWER ROLLER TABLE - HYDRAULIC TYPE.

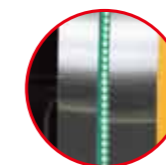
### STREAMLINE MACHINE STATUS LED



Abnormal / Alarm



Machine Stop / Warning



Normal / Cutting in Progress

