Products

Semi-automatic Heavyduty Bandsaws

- Model Number : SH-1010W
- Design Style : Large Section Cutting: Billets, Ingots, Dies, Plates

Specifications

Max. Capacity	Round	1000 mm (40")
	Square	1000 mm (40")
	Rectangular(H x W)	1000 x 1000 mm (40" x 40")
Saw Blade	Size(LxWxT)	9400L x 67W x 1.6Tmm (370" x 2.6" x 0.06")
	Speed	15-80 m/min. (49-264 fpm)
	Tension	Hydraulic Controlled
	Guide	Tungsten Carbide Blade Guide (Hydraulic Clamping Force)
	Cleaning	Electric Power Driven Wire Brush
Motor Output	Blade	15 HP (11.2 KW)
	Hydraulic	3 HP (2.2 KW)
	Coolant	0.25 HP (0.19 KW)
Tank Capacity	Hydraulic Oil	100 Liter
	Coolant	150 Liter
Vise Control Method		Hydraulic
Split Vise		No
Double Sides Material Feeding		No
Weight		12000 Kgs (26400 lbs)
A (Bed Height)		620 mm (24.4")
B (Length)		2300 mm (90.6")
C (Width)		5200 mm (204.7")
D (Height)		2700 mm (106.3")

Machine Features

SH-1010W

Machine Structure

¨ Dual Column design with oversized, precision ground columns ensures smooth saw frame movement and the consistently stable cutting force throughout the cutting cycle.? Added Cross Link on top of structure ties in both

columns to complete a rugged gantry type design to offer unsurpassed rigidity.

- The heavy-duty Saw Frame is supported by dual columns and has a rugged cross-link design, which provides the best rigidity and the smoothest cutting conditions.
- The oversized round columns provide over 450 square inches of continuous surface contact with the sawhead throughout the entire cutting process.? Both columns are precision ground for smooth and consistent feed pressure & feed rates.

Blade Drive & Lubrication System

- Inverter Blade Speed Control is used for higher efficiency and accurate variable blade speed with easy to read LED blade speed indicator.
- Powered wire chip brush operates with a separate drive motor to provide independent optimum cleaning chip removal.
- Complete coolant system and cleaning gun

Blade Guidance System

- Hydraulic Blade Tension insures consistently accurate recommended blade tension for straight cuts and increased blade life.? The blade tension is slightly released when the machine is idling, resulting in longer blade life.
- Hydraulic Blade Tension System, with large easy to read pressure gauge, makes changing saw blade easy and convenient.
- The Carbide Blade Guides are relieved to allow coolant to flow thru the guides to provide unsurpassed lubrication and cooling for the guides and the blade.
- Hydraulically powered blade guides insure proper blade guide clearance, and are operated from the operator's counsel.
- Additional blade guiding bearings contacting the back of the blade provides extra support for added penetrating force for faster cuts.
- Heavy cast iron moveable Guide Arm is hydraulically powered from the operator's control counsel for easy operation, and efficient cutting.

Control

- "Last Cut" or "Keep On" selector enables you to choose either to shut off the machine at the end of cut or return the saw head to the pre-selected cut height ready for the next cut.
- Ergonomically designed, user-friendly control panel.
- Precise Feed Rate Control Valve has 60 digit increments for finite feed rate control.
- Sawhead Work Height Selector aids the operator to quickly to adjust any designated saw frame height and cutting depth.

Material Feeding and Clamping

- Two feeding vises are respectively located on the front and rear side of the blade, each driven by a full stroke hydraulic cylinder.? When cutting is finished, even a thin workpiece will not fall because front and rear vises clamp simultaneously.? The feed length per stroke is 17.7??(450 mm) for the rear vise and 13.7??(350 mm) for the front vise.
- Roller work-bed provides a convenient way to load, position, and unload the material regardless of which side from which it's fed.
- The Shadow Light projects the cut line on the material to make the measuring of cut lengths accurate.

Safety

- Broken blades or slippage is monitored and will immediately shut off the machine in a safe manner if either of the

conditions occurs.

- Interlock design in electrical and hydraulic system prevents the saw from accidental start, i.e. work vise and blade guides need to be clamped first before blade starts, guide arm will not move until the blade guides are released from clamp pressure.
- All moving parts, blade covers, and guarding on the saw are painted Alert Orange to increase safety alertness.
- All exposed electric wiring and hydrau