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Traversing Head Vertical Plate Saw

- Model Number : SV-80130
- Design Style : Servo Motor Drive Saw Frame

Specifications

Maximum Cutting Capacity	height	860 mm (33.9")
	Throat	1100 mm (43.3")
	Length	2000-7000 mm (79"-276") per customer's request
Saw Blade	Size	7440 x 67 x 1.6mm (293" x 2.6" x 0.06")
	Speed	12-80m/min (39-262fpm)
	Tension	Hydraulic
	Guide	Hydraulic
Motor Output	Blade	10 hp (7.5kw)
	Hydraulic	1hp & 2hp (0.75kw & 1.5kw)
	Feed	2hp (1.5kw)
	Coolant	0.25hp (0.19kw)
Hydraulic	Tank	60 / 60 L (13/13 gal)
	Pressure	50 / 30k g/cm2 (785/428 psi)
	Output Flow	30 / 12 L/min (6.6/2.6 gal/min)

Machine Features

The worktable is extra heavy duty to handle all sizes of plates regardless of weight. Its design facilitates loading and unloading by overhead crane or forklift with equal ease.

The Saw Arm's extra wide frame gives a solid, vibration free support to the blade. The saw arm has an integral, self-contained hydraulic system that travels with the column. This design eliminates hydraulic hoses and connections traveling the length and being subject to inevitable leakage, wear and exposure to damage from material chips.The Saw Arm moves via three precision ground, steel wheels that ride on two hardened, heavy-duty double rails that run the length of the saw table. On the inner rail the two driving wheels and 6 guide rollers offer a smooth and stable feeding force, and on the outer rail the third wheel provides rigid support for the saw arm. This design gives the saw frame a rigid base to ensure the smoothest feeding movement.

Saw frame travel is done by using an AC servo motor coupled with planetary speed reducer. This system with high torque and low speed capability provides smooth, pulse free feeding speed from 2 mpm to 2000 mpm for rapid travel.

Cutting Pressure is controlled by a highly accurate servo-motor thru a power efficient Planetary Reducer . Cosen's special automatic torque adjustment feature of the servo motor insures a steady feed rate.The final drive is thru double-link, high

strength chain that drives he inboard hardened steel drive wheels.Thus, thru NC controls, the feed and cutting rates are precisely controlled for any type of material.This system with the high torque and low speed capability provides smooth, pulse free, feeding speed from .078 inch/min to 78 inch/min for rapid travel.

Floor plan

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