

# SVC-170150H

## MACHINE FEATURES

- Hydraulic positive feed saw frame with adjustable feed rate and cutting pressure control. Variable feed rate valve and pressure control valve enable optimal cutting performance in any material.
- High strength saw frame travels on three linear rails ensuring machine rigidity and prevents vibration from cutting.
- The Blade Drive System for the saw blade comes from a 20 hp motor through a power effective high precision Planetary Reducer. Meanwhile, blade speed is controlled by a highly efficient inverter. These specially built mechanisms combine to offer an extensive speed range, which is easily adjustable on the control panel.
- Fixed Work Bed provides maximum structural integrity and work load allowance. Additional support tables are available for oversized material
- Powered Guide Arm is hydraulically controlled from the operator's station, allowing the operator to move the carbide guides as close to the material as possible. Cylinder stroke is 1200mm.
- Hydraulic powered wire brush system featuring adjustable speed to effectively clean and prolong blade life. Hydraulic motor featuring long usable life does not burn up in case of binding or overload situation.
- Independent control panel for convenient and safe operation

## OPTIONAL ACCESSORIES

- Hydraulic Chip Auger features 2 stage design to efficiently evacuate metal shavings to accessible area. Auger speed is adjustable to allow coolant retention. Hydraulic motor featuring long usable life does not burn up in case of binding or overload situation.
- Laser Alignment Beam Light is very useful in insuring cutting accuracy on long material cutting. The laser beam shines on the material allowing the operator to align the material to the cut width desired.
- Vibration Damper can effectively reduce blade vibration and enables smooth cut-off surfaces.
- Blade Deviation Detector will detect any blade deviation to insure straight cuts. The device can be pre-set to a deviation value. If the value is exceeded the machine will stop.

## SPECIFICATIONS

MODEL	SVC-170150H	
MAX. CAPACITY	Height	1700mm (67")
	Throat	1500mm (59")
	Length	1500mm (59")
SAW BLADE	Speed	15-80M/min(49-262ft/min)
	Size	12150L x 80W x 1.6Tmm (478" x 3.1" x 0.06")
	Tension	Hydraulic
	Guide	Hydraulic
MOTOR OUTPUT	Saw Blade	20HP (15kw)
	Hydraulic	3HP (2.2kw)
	Coolant	1HP (0.75(kw))
TANK CAPACITY	Hydraulic	165L
	Coolant	250L
BED HEIGHT	2000mm (783/4")	
WEIGHT CAPACITY	31780kgs (70,000lbs)	
FLOOR SPACE (LxWxH)	4580mm x 2200mm x 6000mm (180.3" x 86.6" x 236.2")	

\* All designs & specification are subject to change without notice or obligation.

COSEN Machinery



## MACHINE FEATURES

Cosen Cross Cutting Plate Saws are the most appropriate bandsaw machines to cut steel plates. The extremely heavy duty saw bow, driven by servo motor and ball screw design or hydraulic cylinder, moves freely on linear guideways.

This design achieves fast and smooth cutting while demonstrating excellent cutting rate.

The main advantage of this type of bandsawing machine is plate cutting with an extremely wide capacity (ie. 1200 mm, 1600 mm or 2600 mm) and a height capacity just tall enough to accommodate most plate stocks (ie. 300 mm, 400 mm or 600 mm).

Hence, instead of using expensive 80 mm or 100 mm wide blades, Cosen SVC series machines can cut efficiently across the same material by using 41 mm or 54 mm wide blade.

Meanwhile, the blade motor HP requirement to cut through a narrower material section is also considerably less. The benefits include savings in tooling, electricity, plus lower maintenance cost.

Superior by design, Cosen SVC series offers lower operation overhead while making no compromise to deliver fast cutting rates on a rigidly constructed machine.

In addition, Cosen SVC series also feature a built-in roller bed design with hydraulic shuttle vise to facilitate feeding of long material into cutting area semi-automatically or automatically.

## SPECIFICATIONS

MODEL	SVC-30120	SVC-40160	SVC-60160	SVC-60260	
MAX. CAPACITY	Height	300mm (12")	400mm (16")	600mm (24")	600mm (24")
	Throat	1200mm (48")	1600mm (63")	1600mm (63")	2600mm (102")
SAW BLADE	Speed	20-80m/min. (66-264 fpm)			
	Size	6650 x 41 x 1.3T (262" x 2" x 0.05")	7675 x 41 x 1.3T (302" x 2" x 0.05")	8300 x 54 x 1.6T (326.8" x 2.1" x 0.06")	9800 x 54 x 1.6T (385.8" x 2.1" x 0.06")
	Tension	Hydraulic Controlled			
	Guide	Hydraulic Controlled			
MOTOR OUTPUT	Saw blade	7.5HP (5.6KW)	7.5HP (5.6KW)	10HP (7.5KW)	10HP (7.5KW)
	Hydraulic	2HP (1.5KW)	2HP (1.5KW)	2HP (1.5KW)	2HP (1.5KW)
	Coolant	1/2HP (0.38KW)	1/4HP (0.18KW)	1/2HP (0.38KW)	1/2HP (0.38KW)
TANK CAPACITY	Hydraulic	70L	70L	70L	70L
	Coolant	180L	220L	220L	300L
WORKBED HIGHT	1300mm (52")	1500mm (59")	1600mm (63")	1600mm (63")	
WEIGHT	10000KGS	13000KGS	15000KGS	18000KGS	
FLOOR SPACE (LxWxH)	4100 x 2000 x 2750mm (162" x 79" x 109")	5200 x 2150 x 3150mm (205" x 85" x 124")	5000 x 2150 x 3500mm (197" x 85" x 138")	7500 x 2150 x 3600mm (295" x 85" x 142")	

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SVC-30120 . SVC-40160  
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Heavy-duty Traversing Head  
Cross Cutting Vertical Saws



Traversing Head Cross Cutting  
Plate Saws Series



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ISO 9001 certified

COSEN MACHINERY INDUSTRIAL CO., LTD.

■ SVC-170150H



■ SVC-60260



■ SVC-30120H



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