

BILLET SERIES HORIZONTAL BAND SAWS
HIGH RIGIDITY



SH-5542 | SH-4030

COSEN supplies a full range of semi-automatic band saws that exceed the requirements of all bandsawing applications. With its rigid construction and superior features, COSEN's line of semi-automatic heavyduty bandsaws offers **precision** at the cutting edge, **efficiency** in operation and low cost per cut, and **durability** in a demanding production environment. Cosen, the Pinnacle of Cutting Performance



Work height selector
Work height selector allows maximum efficiency in semi-automatic operation. When the blade cuts off material, the blade will return to the preset work height automatically, thus saving time and money for more productive sawing.



SH-4030

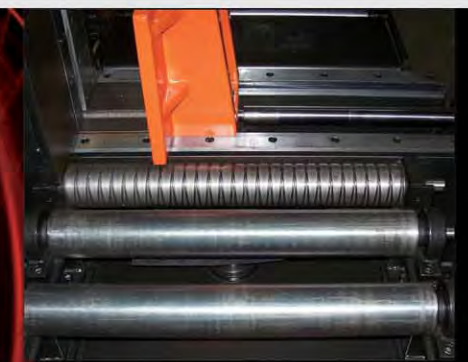


Split vise
Split vise is located on both sides of the saw blade. Even for cutting short piece or profile steel, the split vise can tightly clamp the material and effectively reduce burr on most material.

**Precise Design
Fast Cutting Speed
Rigid Construction**



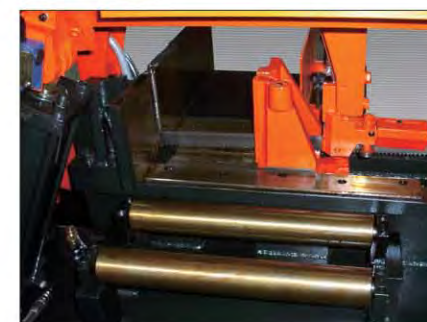
SH-5542



Hydraulic lifting take-in roller
The take-in roller is actuated in hydraulic force to lift up the stock for easy adjustment of the stock position. The hydraulic lifting roller and a fine feed hand wheel making loading and positioning of material simple. (optional for SH-4030)



Hydraulic blade tension
Automatic hydraulic tension device will provide tension to blade when machine is turned on and will release tension when turned off, extending blade life. The on-off switch is an added feature - making blade changing quicker and easier.



Work bed
Work bed with two additional rollers will finely support the material to be fed.

Combines the in-feed work bed with the gear driven power roller table being able (optional) to feed the material conveniently and smoothly.



Wire brush
The powered chip brush removes the chips from the blade, maximizing productivity and extending blade life.

SH-7550S SH-7050



Hydraulic lifting take-in roller with power feeding table (optional)

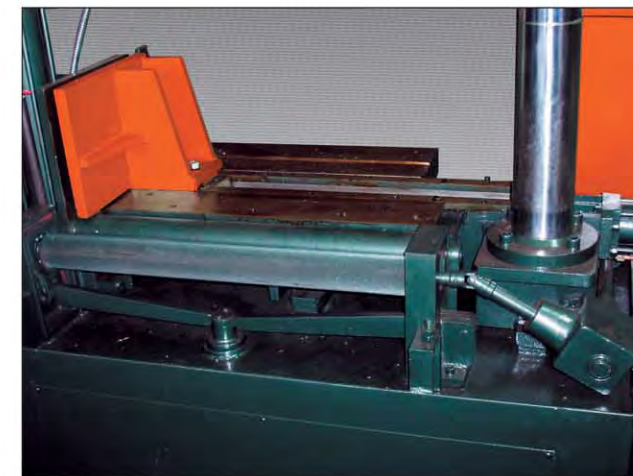
SH-7662 / SH-7656 / SH-7550S / SH-7050 is optional applied with one lifting power roller (hydraulic lifting), which features to feed the material conveniently and smoothly. With two-speed stock feeding design, the speed of the stock feeding can be switched between slow and quick speed, it gives operator the option to move stock quickly into the sawing area and then to finely adjust to its correct cutting position. Incorporating with the 2M-power roller table (Option), the material is able to feed obstacle-free.



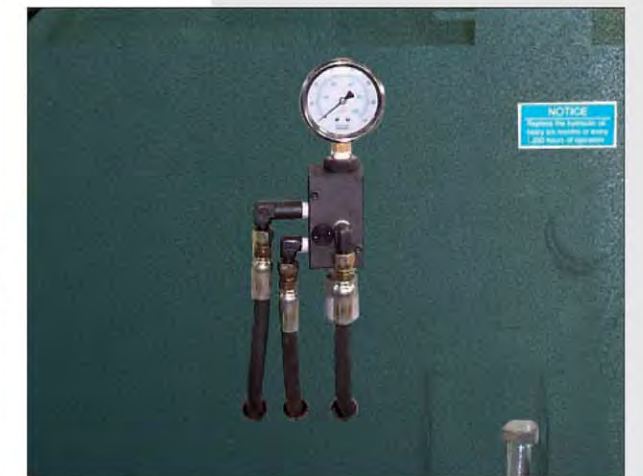
SH-7050



SH-7550S



Hydraulic lifting with manual ratcheting take-in roller



Vise pressure regulator (optional)

SH-7662

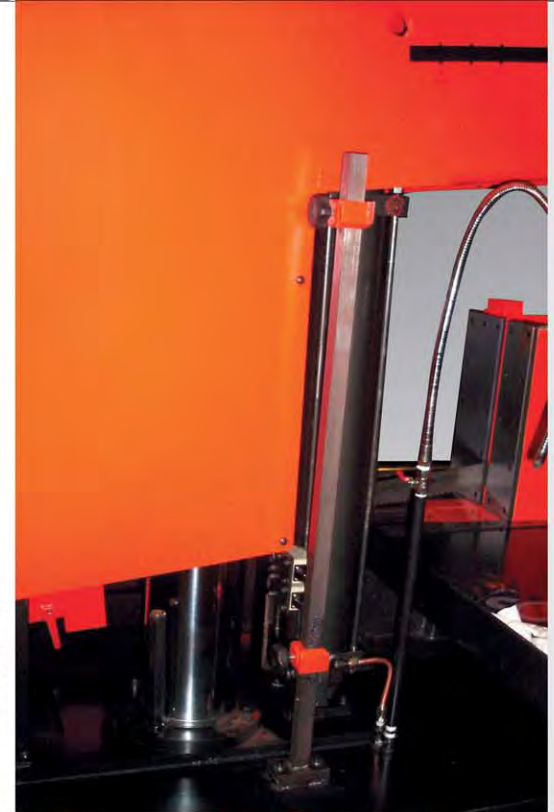
SH-7656

SH-7662



Work height selector

Work height selector allows operator to easily set clearance height of workpiece, making it more convenient and safer for material handling. Lower limit is easily set for notching jobs when necessary.



SH-7656 Machine is shown with optional accessories, such as: Cutting Deviation Detector, Laser Alignment Light, and Hydraulic Top Clamp..



Hydraulic guide arm

Hydraulic actuated guide arm is easy to adjust to proper position from the control panel.
(available on SH-7656 / SH-1000F only)



Hydraulic blade insert

Automatic hydraulically powered blade guides ensure secure clamping during cutting. Vibration Dampening Roller (Optional) effectively absorbs vibration from cutting to increase blade performance.
(not available on SH-4030 / SH-5542 / SH-7050)

SH-1080F



SH-1080F Machine may be shown with some optional accessories.

Hydraulic lifting take-in roller
with power feeding table



Full stroke top clamp (optional)
The special top clamp features full capacity clamping of bundled material regardless of bundle width or height.



Independent wire brush driving system
The independently driven wire brush system rotates in sync with the blade motor to achieve effective cleaning and brush life.
(available on SH-1000F only)

OPTION ■ STANDARD ●

ITEM	SH-4030	SH-5542	SH-7050	SH-7550S	SH-7656	SH-7662	SH-1080F
Twin columns of oversized diameter and cross-link design	---	●	●	●	●	●	●
Infinite blade speed control	■	●	●	●	●	●	●
Digital blade speed indicator	■	●	●	●	●	●	●
Split vise	●	●	---	●	●	●	●
Blade breakage detector	●	●	●	●	●	●	●
Precision pressure and feed rate dual valve	●	●	●	●	●	●	●
Hydraulic blade tension device	●	●	●	●	●	●	●
Self lubricating carbide and roller guide	●	●	●	●	●	●	●
Separate control station	---	●	●	●	●	●	●
Hydraulic lifting take-in roller	■	●	●	●	●	●	●
Hydraulic lifting take-in roller with power feeding table	---	---	■	■	■	■	■
Full stroke hydraulic vise	■	●	●	●	●	●	●
Saw head work height selector	●	●	●	●	●	●	●
Hydraulic blade clamping inserts	---	---	---	●	●	●	●
Planetary reducer	---	---	---	---	■	■	■
Nesting fixture	■	■	■	■	■	■	■
Full stroke top clamp	■	■	■	■	■	■	■
Powered roller table	■	■	■	■	■	■	■
Roller table (2M) with side roller	■	■	■	■	■	■	■
Vise pressure regulator	■	■	■	■	■	■	■
Hydraulic chip conveyor	■	■	■	■	■	■	■
Deviation detector	■	■	■	■	■	■	■
Vibration damper	■	■	■	■	■	■	■
Harmonics dampener	---	---	■	■	■	■	■
Automatic wedging resistance	---	---	■	■	■	■	■
Prism vise for clamping hex-shaped bundle	---	---	■	■	■	■	■

■ Design and specifications are subject to change without notice and obligation.
 ■ Machine may be shown with some optional accessories.



Vibration damper



Chip conveyor



Deviation detector



Powered Roller table

Model	SH-4030	SH-5542	SH-7050	SH-7550S	
Max.	● 300mm (12")	420mm (16.5")	500mm (20")	500 mm (20")	
Capacity	■ 300 mm (12")	420mm (16.5")	500mm (20")	500 mm (20")	
	■ (H x W) 300x400mm (12"x15.7")	420x550mm(16.5"x21.6")	500x700mm (20"x27.6")	500x750mm (20"x29.5")	
Blade	Capacity	3820L x 34W x 1.1Tmm (150.4" x 1.3" x 0.042")	5300L x 41W x 1.3Tmm (208.7" x 1.6" x 0.050")	5450L x 41W x 1.3Tmm (215" x 1.6" x 0.050")	
	Speed	21,38,55,68,81m/min(60Hz) (70,127,180,224,267 fpm)	20-100 m/min. (66-328 fpm)		
	Tension	Hydraulic (with blade breakage detector)			
Motor	Blade	3.75kW (5HP)	5.5kW (7.5HP)	5.5kW (7.5HP)	
	Hydraulic	0.18kW (1/4HP)	1.5kW (2HP)	0.75kW (1HP)	
	Coolant	0.1kW (1/8HP)	0.1kW (1/8HP)	0.1kW (1/8HP)	
Tank	Hydraulic	25L (6.2gal.)	35L (8.75gal.)	35L (9gal.)	
	Coolant	60L (15gal.)	95L (23.75gal.)	85L (21.25gal.)	
Work Bed Height	740mm (29.1")	700mm(27.5")	700mm (27.5")	700mm (27.5")	
Net Weight	700kgs (1540lbs)	1800kgs (3960lbs)	1950kgs (4290lbs)	2100kgs (4620lbs)	
Gross Weight	800kgs (1760lbs)	2300kgs (5060lbs)	2450kgs (5390lbs)	2600kgs (5720lbs)	
Floor Space (LxWxH)	800 x 1905 x 1700mm (31.5" x 75" x 67")	1100 x 2550 x 1900mm (43.3" x 100.4" x 74.8")	900 x 3200 x 2150mm (35.5" x 126" x 84.6")	1410 x 3150 x 2010mm (55.5" x 124" x 79")	
Shipping Space (LxWxH)	900 x 2185 x 1728 mm (35.4" x 86" x 68")	1610 x 2620 x 2190mm (63.5" x 103" x 86")	1120 x 3175 x 2270mm (44" x 125" x 89.4")	1450 x 3225 x 2210mm (57" x 127" x 87")	

Model	SH-7656	SH-7662	SH-1080F	
Max.	● 560mm (22")	620 mm (24.4")	800mm (31.5")	
Capacity	■ 560mm (22")	620mm (24.4")	800mm (31.5")	
	■ (H x W) 560x760mm (22"x30")	620x760mm (24.4"x30")	800x1000mm(31.5"x39.4")	
Blade	Capacity	6665L x 54W x 1.6Tmm (262.4" x 2.1" x 0.063")	7200L x 54W x 1.6Tmm (283" x 2.1" x 0.063")	
	Speed	20-100 m/min. (66-328 fpm)		
	Tension	Hydraulic (with blade breakage detector)		
Motor	Blade	7.3 kW (10 HP)	7.3 kW (10 HP)	
	Hydraulic	1.5 kW (2 HP)	1.5 kW (2 HP)	
	Coolant	0.19 kW (1/4 HP)	0.19 kW (1/4 HP)	
Tank	Hydraulic	50L (12.5gal.)	50L (12.5gal.)	
	Coolant	100L (25gal.)	100L (25gal.)	
Work Bed Height	700mm (27.6")	600mm (23.6")	650mm (25.6")	
Net Weight	3200kgs (7040lbs)	3500kgs (7700lbs)	5800kgs (12760lbs)	
Gross Weight	3600kgs (7920lbs)	3900kgs (8580lbs)	6200kgs (13640lbs)	
Floor Space (LxWxH)	1400 x 3300 x 2450mm (55" x 130" x 96.5")	1200 x 3560 x 2360mm (47.2" x 140" x 93")	2900 x 4400 x 2750mm (114" x 173" x 108.3")	
Shipping Space (LxWxH)	1520 x 3630 x 2240mm (60" x 143" x 88")	1335 x 3710 x 2490mm (52.2" x 146" x 98")	20' open top container	

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