

Cosen's engineering department offers innovative answers to all your cutting problems. We can custom tailor sawing machines to complex and difficult sawing applications. Cosen also offers complete material handling systems. Contact Cosen for all your sawing needs.

1. Programmable Control Saws

C-TECH Series : C2, C3S, C3, C4, C5, C7, C9, C11, C20
 CNC Series : CNC-430, CNC-530
 Smart NC Series : C-260NC, C-300NC, C-325NC, C-400NC, C-460NC
 G320, C-320NC, C-3026LNC, C-420NC, C-520NC, C-560NC, C-620NC, C-800NC, C-1000NC

2. Utility Purpose Saws

MH-812LC, MH-916JRP, SH/MH-1018JA, SH-250R, SH-4030, MH-270M, SH-350DM

3. Fabrication Saws

Manual : MH-460M, MH-500M
 Semi-Automatic : SH-460M, SH-500M, SH-650M, SH-700DM, SH-1000DM, SH-1500DM
 SH-510LDM, SH-710LDM, SH-1300LDM,
 Programmable-Automatic : NC-510MG, C-510MNC, C-650MNC, C-700DMNC, C-780FNC,
 M5, M8, CNC-1100LDM

4. Billet Saws

Linear Guided Saw Frame Series : SH-3026L/C-3026L, SH-4036L/C-4036L
 SH-4030, SH-5542, SH-7050, SH-7550S, SH-7662, SH-8030, SH-8056, SH-8580D, SH-1080F, SH-1080D
 SH-1010W, SH-1311P, SH-1313, SH-1713, SH-1817, SH-2020D

5. Plate/Longitudinal Cutting Plate Saws

Servo motor driven : SV-4060, SV-5060, SV-7060, SV-70100, SV-170100, SV-86110
 SV-130110, SV-80130, SV-100130, SV-130160
 Hydraulic cylinder driven : SV-3055H, SV-4055H, SV-6066H, SV-12060H, SV-20130H, SV-40130
 Cross Cutting Series : SVC-40160, SVC-50220, SVC-60260, SVC-170150H
 Programmable Control Series : AV-40150

6. Tilt Frame Double Mitering Vertical Bandsaws

V-2026NC, AV-2026NC, V-1822

7. Table Moving Vertical Bandsaws

SVT-2530H, SVT-5075, SVT-6070S

8. Structural Steel Fabrication

Beam Line, Drilling and Sawing : D7, D11, D13

9. CPC Cosen Predictive Computing

Cosen Predictive Computing Device : CPC-Go1, CPC-Go2, CPC-100, CPC-LITE, VT

*Machine may be shown with some optional accessories.

*Design & specification are subject to change without notice.



Performance
 Dedication
 Productivity

COSEN BANDSAWS

The Pinnacle of Cutting Performance

The Pinnacle of Cutting Performance

Cosen Story



Cosen's Built to Last
durability and 100%
Made-in-Taiwan quality.

With integrity, care and professionalism, Cosen makes bandsaws the world needs and to your wish.

- ▶ Founded in 1976 and based in Hsinchu, Taiwan, Cosen is a manufacturer of bandsaw machines known for the "Built to Last" durability, "Made-in-Taiwan" quality and "Value for Money" cost-effectiveness.

Cosen established the U.S. office in 1989 and serve to the North American market with a complete distribution network, which contributes to a market share ranking top three in the United States. With dealers expanding to more than 80 countries, Cosen is proud to be recognized by major international brands. Cosen established the Taichung branch in 2004 as part of our plan in leveraging the complete supply chain locally available and expanding production to serve more customers around the world.

Cosen's quality and service continues to grow and expand; machines delivered have reached 100,000 sets and continue to increase. We are capable of making all types of bandsaws from 200 mm to 2000 mm capacity as well as designing to customers' specifications. Cosen's process is ISO-9001 certified and guarantees quality conformity and reliability in all machines sold around the world.

Cosen Team provides service locally in your country and presents the most professional advice from the very beginning of contact. With 85% of parts in stock, we ensure prompt delivery to reduce spare parts lead time. Cosen deploys our 45+ years of experiences in market research, product design and machine production to ensure every detail is made right so your Cosen machine works to the precision and productivity expected.

Cosen is passionate about making bandsaw and offering complete metal-cutting solutions to your desire. Be it technology, process or quality, we continue to stay humble and eager to set goal for the next mountain top.

COSEN's Brand Defined

- ▶ Mountain climbing has always been the love of the life for Mr. Mike Huang, Cosen's founder. As a passionate mountaineer, he creates and defines Cosen brand with the same spirit and character.



"Co" means "Pinnacle" in Mandarin, perfectly portrays the company's endless pursuit of excellence. All Coseneer are mountaineers at work, continuously aiming for innovation and improvement, setting a higher goal and conquering mountain tops one at a time.

"Sen" is derived from the word "sacred" and symbolizes the Olympic flame. Cosen embodies that spirit in its commitment to integrity and expertise in the production of great machines. From production of machines to delivery of promises, all Coseneers protect our promises to customers like the Olympic flame with integrity, care and professionalism.

COSEN's Corporate Philosophy

For mountaineers,
endurance is essential to
reaching that mountain top
and the next peak after it.

COSEN

Programmable Automatic Production Saws CNC Series

Intelligent CNC Performance Bandsaw Machine

- ▶ Hard materials like Inconel, Titanium, and Stainless Steel are expensive to cut due to the extensive cutting time, tool costs, and demand of an experienced operator. With Cosen CNC Series band saws, you are in full control by cutting harder material faster, extending blade life, and eliminating guess work and potential operator error.

Model	CNC-430	CNC-530
Capacity Round	430 mm	530 mm
Capacity Rectangular (HxW)	430x430 mm	530x560 mm
Blade Size (LxWxT)	6050x54x1.6mm	7675x67x1.6 mm
Blade Motor	7.5 HP	15 HP
Height of Work Bed	800 mm	680 mm
Weight	5390kg	10000kg
Floor Space (LxWxH)	2230x3860x2500 mm	3775x2240x2540 mm

* Design and specifications are subject to change without notice & obligation.
* Machines may be shown with some options.

World-class design and technology to cut faster, smarter and saves money!

- ▶ The CNC Series allows you to manage blades, work orders from office, and cut with recommended rates and storing favorite parameters. Cast-iron saw frame, 4 oversized linear rails, large cast-iron wheels with reinforcement arms, dual vibration dampeners, extra-large / wide guide arms and V_Drive further act to remove harmonics and vibration.

▼ CNC-530



▼ CNC-430



Programmable Automatic Production Saws

C-TECH Series

NC Fully Automatic Bandsaws



C2



C3



C4



C3S



C5



C7



C11

- ▶ **Cutting Feed Controlled by Double Servo Motors**
The servo-based feed and control systems are equipped with double servo motors, allowing for more stable, precise, and powerful cutting at a high cutting rate. Cosen machines provide you with increased productivity and better quality! (C3S,C4,C5)
- ▶ **Material Clamping & Feeding**
Shuttle vise jaws riding on linear guide ways are driven by servo motor and ball screw spindle, making material feeding quick and very accurate.



C20

Model	C2	C3S	C3	C4	C5	C7	C9	C11	C20
Capacity Round	260 mm	330 mm	360 mm	460 mm	560 mm	660 mm	865 mm	1100 mm	1100 mm
Capacity Rectangular (HxW)	260x300 mm	330x350 mm	360x400 mm	460x500 mm	560x560 mm	660x700 mm	865x900 mm	1100x1100 mm	1100x2000 mm
Blade Size (LxWxT)	4100x34x1.1 mm	5030x34x1.1 mm	4880x41x1.3 mm	6026x41x1.3 mm*	7260x54x1.6 mm	7860x54x1.6 mm	10290x67x1.6 mm	12020x80x1.6 mm	14550x80x1.6 mm
Blade Motor	5 HP	5 HP	7.5 HP	7.5 HP/10 HP	10 HP	15 HP	20 HP	15 HP	25 HP
Height of Work Bed	800 mm	708 mm	836 mm	705 mm	650 mm	758 mm	750 mm	755 mm	750 mm
Weight	1592 kg	2498 kg	2498 kg	4150 kg	4800 kg	6910 kg	16500 kg	15400 kg	16500 kg
Floor Space (LxWxH)	2040x2525x1642 mm	1700x2700x2200 mm	2310x3635x2015 mm	1815x2950x2355 mm	2028x3436x2377 mm	1939x4900x2659 mm	2240x5170x3280 mm	2243x6155x3798 mm	7650x2757x4740 mm

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* Blade size : 6026x54x1.6 mm (optional)

Programmable Automatic Production Saws

Smart NC Series



SNC SERIES

Smart NC-100 (SNC100) technology provides most of the benefits of NC controlled saws at a mere fraction of the cost. SNC100 controls are programmable up to 100 different jobs including quantity and length of cut. The control automatically compensates for Kerf loss after data input and requires no manual calculation of number of times to index.

Rugged, Dependable, and Advanced Technology, are all words that describe every Cosen SNC-100 Series Sawing Machine.

G320

Model	G320
Capacity Round	325 mm
Capacity Rectangular (HxW)	325x380 mm
Blade Size (LxWxT)	4240x34x1.1 mm
Blade Motor	5 HP
Height of Work Bed	800 mm
Weight	1760 kg
Floor Space (LxWxH)	2238x2401x1690 mm



C-420NC ▲



C-520NC ▲

SNC-100 FEATURES INCLUDE:

- 5.7" touch screen
- Mitsubishi PLC controller
- Stored program(s) may be easily recalled and executed at will
- Blade speed display
- Blade life indicator
- Error code display provides simplified self-diagnostics
- Blade life timer



C-620NC ▲



C-300NC ▲



C-460NC ▲

Model	C-320NC	C-3026LNC
Capacity Round	320 mm	260 mm
Capacity Rectangular (HxW)	320x380 mm	260x300 mm
Blade Size (LxWxT)	4240x34x1.1 mm	4100x34x1.1 mm
Blade Motor	5 HP	5 HP
Height of Work Bed	790 mm	780 mm
Weight	1708 kg	1760 kg
Floor Space (LxWxH)	2099x2383x1728 mm	2180x2140x1540 mm

Model	C-420NC	C-520NC	C-560NC	C-620NC	C-800NC	C-1000NC
Capacity Round	420 mm	520 mm	560 mm	620 mm	800 mm	1000 mm
Capacity Rectangular (HxW)	420x420 mm	520x560 mm	560x560 mm	620x760 mm	800x825 mm	1000x1000 mm
Blade Size (LxWxT)	4770x41x1.3 mm	6370x54x1.6 mm	6300x54x1.6 mm	7200x54x1.6 mm	8300x67x1.6 mm	9400x67x1.6 mm
Blade Motor	7.5 HP	7.5 HP / 10 HP	10 HP	10 HP	10 HP	15 HP
Height of Work Bed	735 mm	765 mm	765 mm	755 mm	635 mm	630 mm
Weight	2351 kg	4822 kg	4822 kg	7870 kg	10000 kg	
Floor Space (LxWxH)	2582x2418x1802 mm	2215x3611x2157 mm	2200x2813x2191 mm	2793x4134x2590 mm	2112x4226x2870 mm	2654x4678x3510 mm

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Model	C-260NC	C-300NC	C-325NC	C-400NC	C-460NC
Capacity Round	260 mm	300 mm	325 mm	400 mm	460 mm
Capacity Rectangular (HxW)	260x300 mm	300x320 mm	325x380 mm	400x400 mm	460x460 mm
Blade Size (LxWxT)	3660x34x1.1 mm	3820x34x1.1 mm	3820x34x1.1 mm	4570x41x1.3 mm	4670x41x1.3 mm
Blade Motor	5 HP	5 HP	5 HP	7.5 HP	7.5 HP/10 HP optional
Height of Work Bed	735 mm	755 mm	730 mm	760 mm	860 mm
Weight	1460kg	1435 kg	1740 kg	2563 kg	2412 kg
Floor Space (LxWxH)	2148x2192x1305 mm	2075x2160x1900 mm	2087x2318x1356 mm	2450x2310x2470 mm	2650x2500x1600 mm

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Utility Purpose Saws

Semi-Automatic / Manual

Fabrication Production

Miter-Cutting Saws



◀ SH/MH-1018JA

▶ **MANUAL SERIES**

MH series saws offer the best value in any manual general-purpose saw made today. Industrial duty, reliability, and affordability allow any job shop, tool room, or secondary production job to be handled efficiently and precisely. SH series machines offer the added value of automatic head return and hydraulic clamping (select models).

SH-650M ▶

▶ **SWIVEL-HEAD MITER SERIES**

Cosen offers a variety of functional band saws with capacities from 18" to over 59" in manual, semi-automatic, and NC automatic types. Mitering is available from 45° - 60°, in single or double sided mitering.



▲ SH-350DM



▲ SH-250R



SH/MH-500M ▶

◀ SH/MH-460M



Model	MH-812LC		MH-916JRP		SH-1018JA		MH-1018JA		SH-250R		SH-4030
Cutting Angle	0°	45°	0°	45°	0°	45°	0°	45°	---	---	---
Capacity Round	200mm	200mm	230mm	200mm	250mm	250mm	250mm	250mm	250 mm	300 mm	300 mm
Capacity Rectangular (HxW)	180x290mm	152x228mm	230x370mm	200x150mm	230x420mm	230x250mm	230x420mm	230x250mm	230x300 mm	300x400 mm	300x400 mm
Blade Size (LxWxT)	2720x27x0.9 mm		3350x27x0.9 mm		3505x27x0.9 mm		3505x27x0.9 mm		3350x27x0.9 mm		3820x34x1.1 mm
Blade Motor	1 HP		2 HP		2 HP		2 HP		2 HP		5 HP
Height of Work Bed	640 mm		640 mm		640 mm		640 mm		640 mm		740 mm
Weight	291 kg		380 kg		396 kg		396 kg		624 kg		1025 kg
Floor Space (LxWxH)	625x1450x1145 mm		787x1748x1046 mm		750x1850x1754 mm		750x1850x1754 mm		1073x2053x1617 mm		1088x1850x1365 mm

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SH-460M/MH-460M			SH-500M/MH-500M			SH-650M			MH-270M			SH-350DM		
0°	45°	60°	0°	45°	60°	0°	45°	60°	0°	45°	60°	0°	45°	60°
250mm	230mm	110mm	330mm	300mm	220mm	420mm	400mm	250mm	220mm	145mm	90mm	260mm	200mm	140mm
230x460mm	230x230mm	230x110mm	280x440mm	240x240mm	240x220mm	380x650mm	380x400mm	380x250mm	220x200mm	145x210mm	90x180mm	200x350mm	200x245mm	140x140mm
3505 x 27 x 0.9 mm			4140 x 27 x 0.9 mm			5300 x 34 x 1.1 mm			2455 x 27 x 0.9 mm			3055 x 27 x 0.9 mm		
2 HP			3 HP			5 HP			1.5 HP			2 HP		
640 mm			830 mm			750 mm			---			1000 mm		
617 kg/617 kg			849 kg/826 kg			1804 kg			265 kg			550 kg		
1100x1751x1052 mm			1075x2065x1482 mm/ 1090x2177x1458 mm			1590x2850x1766 mm			1350x715x1326 mm			1293x1657x1559 mm		

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Fabrication Production

Miter-Cutting Saws

Semi-Automatic Double Column Double Miter-Cutting Horizontal BandSaw

▶ This series is tailored towards structural cutting applications, including fabricators that process medium to large structural material. Cosen's heavy-duty miter-cutting band saws satisfy all your structural cutting needs!



SH-510LDM ▶



◀ SH-710LDM



C-510MNC ◀

Fully Programmable Automatic Miter Cutting Bandsaw

A highly productive miter-cutting bandsaw machine for repetitive angle cuts!

Model		C-510MNC		
Capacity	Angle	0°	45°	60°
Capacity Round		360 mm	330 mm	200 mm
Capacity Rectangular (HxW)		330x510mm	330x330mm	330x200mm
Blade Size (LxWxT)		4900 x 34 x 1.1 mm		
Blade Motor		5 HP		
Height of Work Bed		800 mm		
Weight		2125 kg		
Floor Space (LxWxH)		3300 x 2750 x 2200 mm		



Model		NC-510MG		
Capacity	Angle	0°	45°	60°
Capacity Round		360 mm	330 mm	200 mm
Capacity Rectangular (HxW)		330x510mm	330x330mm	330x200mm
Blade Size (LxWxT)		4900 x 34 x 1.1 mm		
Blade Motor		5 HP		
Height of Work Bed		800 mm		
Weight		2125 kg		
Floor Space (LxWxH)		2575 x 3136 x 2200 mm		

NC-510MG ◀

Intelligent CNC Programmable Double-Mitering Bandsaw for Structural Cutting

▶ CNC-1100LDM



Model	SH-510LDM			SH-710LDM			SH-1300LDM			CNC-1100LDM		
	0°	45°	60°	0°	45°	60°	0°	45°	60°	0°	45°	60°
Capacity Round	330mm	320mm	200mm	470mm	420mm	300mm	660mm	660mm	495mm	660mm	660mm	400mm
Capacity Rectangular (HxW)	320x510mm	320x320mm	320x200mm	420x710mm	420x450mm	420x300mm	660x1300mm	660x820mm	660x495mm	660x1100mm	660x660mm	660x400mm
Blade Size (LxWxT)	4980 x 34 x 1.1 mm			6540 x 41 x 1.3 mm			10530 x 67 x 1.6 mm			10120 x 67 x 1.6 mm		
Blade Motor	3 HP			7.5 HP			20 HP			15 HP		
Height of Work Bed	780 mm			755 mm			855 mm			855 mm		
Weight	1360 kg			2900 kg			10126 kg			10287 kg		
Floor Space (LxWxH)	2562 x 3128 x 2100 mm			3250 x 3200 x 1920 mm			5500 x 5210 x 2912 mm			4972 x 5225 x 3378 mm		

Fabrication Production Canted Frame Saws

Semi-Automatic Saws



▲ C-780FNC

◀ Canted Frame SNC-100 Programmable Automatic Mass Production Horizontal Bandsaw

Model	C-780FNC
Canted Frame	5° Blade Cant
Capacity Round	550mm
Capacity Rectangular (HxW)	550x780mm
Blade Size (LxWxT)	7200x54x1.6mm
Blade Motor	10 HP
Height of Work Bed	760 mm
Weight	4822 kg (5144 kg)
Floor Space (LxWxH)	2101x4096x2590 mm (5258x4096x2590 mm)

* Design and specifications are subject to change without notice & obligation.
 * Machines may be shown with some options.
 * Standard: 503mm built-in roller / Option: 3M roller table
 * () = C-780FNC-3ML
 * Single stroke feeding length up to 3m (118")
 * For providing extra workpiece support



▲ SH-5542



▲ SH-3026L



▲ SH-7050

Fabrication Production Miter-Cutting CNC Saws

▶ CNC Programmable Automatic Double Miter-Cutting Horizontal BandSaw



▶ M5 / M8

Model	M5					M8		
	0°	+45°	-45°	+60°	-60°	0°	45°	60°
Capacity Round	310 mm	310 mm	310 mm	285 mm	210 mm	500 mm	500 mm	320 mm
Capacity Rectangular (HxW)	310x500mm	310x420mm	310x350mm	310x285mm	310x210mm	500x800mm	500x480mm	500x320mm
Blade Size (LxWxT)	5860x34x1.1 mm					7620x54x1.6 mm		
Blade Motor	5 HP					10HP		
Height of Work Bed	735 mm					855 mm		
Weight	3840 kg					5840 kg		
Floor Space (LxWxH)	3710x3037x2240 mm					4103 x 4017 x 2958 mm		

Model	C-650MNC			C-700DMNC			SH-700DM			SH-1000DM			SH-1500DM		
	0°	45°	60°	0°	45°	60°	0°	45°	60°	0°	45°	60°	0°	45°	60°
Capacity Round	420 mm	400 mm	250 mm	450 mm	450 mm	300 mm	450mm	450mm	300mm	660 mm	620 mm	400 mm	850 mm	800 mm	580 mm
Capacity Rectangular (HxW)	380x650mm	380x400mm	380x250mm	450x700mm	450x520mm	450x300mm	450x700mm	450x450mm	300x450mm	520x1020mm	520x620mm	520x400mm	750x1500mm	750x900mm	750x580mm
Blade Size (LxWxT)	5300 x 41 x 1.3 mm			5800 x 34 x 1.3 mm			5800 x 41 x 1.3 mm			8300 x 54 x 1.6 mm			11880 x 67 x 1.6 mm		
Blade Motor	7.5 HP			7.5 HP			7.5 HP			10 HP			20 HP		
Height of Work Bed	750 mm			750 mm			750 mm			830 mm			1295 mm		
Weight	2878 kg			2800 kg			2309 kg			4711 kg			17040 kg		
Floor Space (LxWxH)	3129 x 2865 x 1921 mm			4230 x 3300 x 2720 mm			1945 x 2852 x 1740 mm			4095 x 4400 x 2900 mm			3402 x 5758 x 4190 mm		

Model	SH-3026L / C-3026L		SH-4036L / C-4036L		Model	SH-4030		SH-5542		SH-7050		
	Capacity Round	Capacity Rectangular (HxW)	Capacity Round	Capacity Rectangular (HxW)		Capacity Round	Capacity Rectangular (HxW)	Capacity Round	Capacity Rectangular (HxW)	Capacity Round	Capacity Rectangular (HxW)	
Capacity Round	260 mm	360 mm	300 mm	420 mm	300 mm	420 mm	300 mm	420 mm	420 mm	500 mm	500 mm	
Capacity Rectangular (HxW)	260x300 mm	360x400 mm	300x400 mm	420x550 mm	300x400 mm	420x550 mm	300x400 mm	420x550 mm	420x550 mm	500x700 mm	500x700 mm	
Blade Size (LxWxT)	4100x34x1.1 mm		4880x41x1.3 mm		3820x34x1.1 mm		5300x41x1.3 mm		5450x41x1.3 mm		5450x41x1.3 mm	
Blade Motor	5 HP		7.5 HP		5 HP		7.5 HP		7.5 HP		7.5 HP	
Height of Work Bed	795 mm / 780 mm		835 mm		740 mm		700 mm		705 mm		705 mm	
Weight	1128 kg / ----- kg		3000 kg		1025 kg		1914 kg		2090 kg		2090 kg	
Floor Space (LxWxH)	1230x2205x1597 mm		2873x2232x1900 mm		1088x1850x1365 mm		1110x2787x1845 mm		1170x3021x2105 mm		1170x3021x2105 mm	

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Heavy-duty Straight Cut-off Billet Saws



◀ If you are looking for large material cutting, then Cosen Billet Saw Series are your answer. Massive, dependable, and precise are just a few words that describe Cosen Billet Saws. Available in capacities up to 126" x 126" there is nothing that a Cosen Billet Saw can't cut.

◀ SH-1010W



◀ SH-1311P

▶ Double column design ensures stable cutting pressure throughout the cutting cycle. Cosen's precised gear reducer provides significantly higher mechanical efficiency. Three sets of vises are used to clamp, hold and guide the material to be cut.



SH-1713 ▲

SH-7550S / SH-8056 ▶



◀ SH-8580D / SH-1080D



▶ COSEN band saw technology is as famous as European, American and Japanese brands, and has become leading marker of bandsaw machine.

◀ SH-1817

Model	SH-7550S	SH-7662	SH-8030	SH-8056	SH-8580D	SH-1080F
Capacity Round	500 mm	620 mm	300 mm	560 mm	800 mm	800 mm
Capacity Rectangular (HxW)	500x750 mm	620x760 mm	300x800 mm	560x800 mm	800x850 mm	800x1000 mm
Blade Size (LxWxT)	6040x54x1.6 mm	7200x54x1.6 mm	8800x67x1.6 mm	6800x54x1.6 mm	8300x67x1.6 mm	8850x67x1.6 mm
Blade Motor	7.5 HP	10 HP	15 HP	7.5 HP	10 HP/15 HP	10 HP
Height of Work Bed	700 mm	600 mm	900 mm	750 mm	630 mm	640 mm
Weight	2258 kg	3474 kg	5770 kg	3000 kg	6027 kg	5841 kg
Floor Space (LxWxH)	1097x3122x2085 mm	1223x3957x2391 mm	1500x4200x2900 mm	1350x3600x2350 mm	2140x4328x2870 mm	4267x1651x2591 mm

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SH-1080D	SH-1010W	SH-1311P	SH-1313	SH-1713	SH-1817	SH-2020D
800 mm	1000 mm	1100 mm	1300 mm	1300 mm	1700 mm	2030 mm
800x1000 mm	1000x1000 mm	1100x1300 mm	1300x1300 mm	1300x1700 mm	1700x1800 mm	2030x2030 mm
8800x67x1.6 mm	9400x67x1.6 mm	11000x80x1.6 mm	12300x80x1.6 mm	13000x80x1.6 mm	14400x80x1.6 mm	15920x67x1.6 mm
15 HP	15 HP	15 HP	20 HP	20 HP	25 HP	20 HP
635 mm	635 mm	630 mm	635 mm	630 mm	645 mm	830 mm
6027 kg	13120 kg	11830 kg	17289 kg	22000 kg	29800 kg	30000 kg
2489x4750x2794 mm	2200x5040x3500 mm	2200x5100x3747 mm	3000x5542x3900 mm	3000x5900x4150 mm	3707x7533x5111 mm	6600x6340x5800 mm

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Plate/Longitudinal Cutting Plate Saws Automatic Series

Plate/Longitudinal Cutting Plate Saws Semi-Automatic Series



Model	AV-40150
Capacity Height	400 mm
Capacity Throat	1600 mm
Capacity Cutting Length	4100 mm
Blade Size (LxWxT)	7800x41x1.3 mm
Blade Motor	10 HP
Height of Work Bed	1500 mm
Weight	21590 kg
Floor Space (LxWxH)	8755x7315x3065 mm

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* Machines may be shown with some options.

◀ AV-40150

▶ Semi-Automatic Series

Model	SV-4055H	SV-20130H	SV-40130
Capacity Height	400 mm	200mm	400mm
Capacity Throat	550 mm	1300mm	1300mm
Capacity Cutting Length	1500 mm	by order (max. 3000 mm)	
Blade Size (LxWxT)	4670x41x1.3 mm	6200x54x1.3 mm	6650x41x1.3 mm
Blade Motor	10 HP	7.5 HP	10 HP
Height of Work Bed	1105 mm	1270 mm	1325 mm
Weight	3800 kg	7466 kg	9000 kg
Floor Space (LxWxH)	4030x2410x2660 mm	7175x3354x2630	6000x3300x2726 mm

* Design and specifications are subject to change without notice & obligation.
* Machines may be shown with some options.

▶ Cosen offers a complete range of plate saws for cutting different sizes from blocks, plates, squares or flats to suit individual customer's needs. The extremely heavy-duty saw frame runs steadily and virtually vibration-free.

Model	SV-4060	SV-5060	SV-7060	SV-70100	SV-170100	SV-86110
Capacity Height	400mm	500mm	700mm	700mm	1700mm	860mm
Capacity Throat	600 mm	660mm	660mm	1000mm	1000mm	1100mm
Capacity Cutting Length	4000 mm	4500 mm	2000-7000 mm	6000mm	3000 mm	6500 mm
Blade Size (LxWxT)	5815x54x1.6 mm	5915x54x1.6 mm	6040x54x1.6 mm	6800x54x1.6 mm	10500x67x1.6 mm	7440x67x1.6 mm
Blade Motor	10 HP	10 HP	15 HP	10 HP	20 HP	15 HP
Height of Work Bed	1550 mm	1550 mm	1550 mm	1550 mm	1950 mm	1550 mm
Weight	18300 kg	17000 kg	21590 kg	21000 kg	16000 kg	24750 kg
Floor Space (LxWxH)	9013x3418x3450 mm	9300x3230x3700 mm	8700x3940x3700 mm	3700x4350x10600 mm	5183x7807x5716 mm	10577x3676x4040 mm

Model	SV-130110	SV-80130	SV-100130	SV-130160	SV-3055H	SV-6066H
Capacity Height	1300mm	800mm	1000mm	1300mm	300mm	600mm
Capacity Throat	1100mm	1300mm	1300mm	1600mm	550mm	660mm
Capacity Cutting Length	4500 mm	6500 mm	2000-7000 mm	4500 mm	3000 mm	2500 mm
Blade Size (LxWxT)	9250x80x1.6 mm	7600x67x1.6 mm	8000x67x1.6 mm	9970x80x1.6 mm	4450x41x1.3 mm	6140x54x1.6 mm
Blade Motor	20 HP	15 HP	15 HP	20 HP	7.5 HP	10 HP
Height of Work Bed	1780 mm	1550 mm	1550 mm	1750 mm	1243 mm	1440 mm
Weight	23130 kg	25926 kg	23430 kg	29420 kg	5020 kg	7300 kg
Floor Space (LxWxH)	8230x4782x5126 mm	10770x4950x4750 mm	10650x4420x4200 mm	11030x4840x4705 mm	8640x3510x2500 mm	6500x3386x3368 mm

* Design and specifications are subject to change without notice & obligation.
* Machines may be shown with some options.



▲ SV-4055H



▼ SV-86110



▲ SV-40130



▼ SV-130160



◀ SV-12060H

▶ SV-12060H offers both regular blade speed cutting and super high blade speed cutting up to 1500-2000.

Model	SV-12060H
Capacity Height	1200 mm
Capacity Throat	600 mm
Capacity Cutting Length	2500 mm
Blade Size (LxWxT)	7200x54x1.3 mm
Blade Motor	13HP
Height of Work Bed	1245 mm
Weight	8000 kg
Floor Space (LxWxH)	5740x2896x4318 mm

Cross Cutting Plate Saws SVC Series

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



▼ SVC-50220

Superior design by Cosen.
SVC-50220, a Traversing Head Cross Cutting Plate Saw, has high strength strong and rigid ensuring machine rigidity and stablesness, also with wide view for operation point and smoothness for material feeding.

Model	SVC-40130H	SVC-40160	SVC-50220	SVC-60260	SVC-170150H
Capacity Height	400 mm	400 mm	500 mm	600 mm	1700 mm
Capacity Throat	1380 mm	1600 mm	2200 mm	2750 mm	1500 mm
Blade Size (LxWxT)	6945x41x1.3 mm	7640x41x1.3 mm	9800x54x1.6 mm	10680x54x1.6 mm	12150x80x1.6 mm
Blade Motor	7.5 HP	7.5 HP	10 HP	10 HP	20 HP
Height of Work Bed	1350 mm	1400 mm	1623 mm	1625 mm	2000 mm
Weight	7500 kg	10991kg	16000 kg	16670 kg	22140 kg
Floor Space(LxWxH)	3361x4663x2986 mm	6352x3576x2919 mm	3700x7900x4000 mm	3250x7399x3915 mm	8500x8000x6000 mm

* Design and specifications are subject to change without notice & obligation.
* Machines may be shown with some options.

Tilt Frame Double Mitering Vertical Saws V Series & AV Series

Tilt Frame Double Mitering Vertical Saws

▶ V & AV Series are multifunctional vertical saws for double mitering cutting. The tilt-frame design achieves the best cutting effect of various material shapes and applies to a rigid yet small footprint.

Model	V-2026NC	
Miter Degree	60° Left – 60° Right	
	0° Blade Cant	5° Blade Cant
Capacity 90°	510x670 mm	510x610 mm
Capacity 45° Left	510x465 mm	510x425 mm
Capacity 60° Left	510x325 mm	510x300 mm
Capacity 45° Right	510x435 mm	510x400 mm
Capacity 60° Right	510x265 mm	510x250 mm
Blade Size(LxWxT)	5230x34x1.1 mm	
Blade Motor	7.5 HP	
Height of Work Bed	1035 mm	
Weight	2310 kg	
Floor Space(LxWxH)	2861 x 2675.5 x 2536.6 mm	

Model	AV-2026NC	
Miter Degree	60° Left – 60° Right	
	1° Blade Cant	5° Blade Cant
Capacity 90°	510x670 mm	510x630 mm
Capacity 45° Left	510x460 mm	510x430 mm
Capacity 60° Left	510x310 mm	510x290 mm
Capacity 45° Right	510x420 mm	510x380 mm
Capacity 60° Right	510x285 mm	510x230 mm
Blade Size(LxWxT)	5230x34x1.1 mm	
Blade Motor	7.5 HP	
Height of Work Bed	1030 mm	
Weight	2034 kg	
Floor Space(LxWxH)	5230 x 3751 x 2600 mm	

* Design and specifications are subject to change without notice & obligation.
* Machines may be shown with some options.



V-2026NC ▲

0° to 5° canted saw frame
Saw frame can be manually canted from 0° to 5° forward to achieve best cutting results for various material shapes.

▶ Tilt Frame Double Mitering Vertical Saws

Model	V-1822	
Miter Degree	60° Left – 60° Right	
	0° Blade Cant	5° Blade Cant
Capacity 90°	460x565 mm	460x510 mm
Capacity 45° Left	460x385 mm	460x340 mm
Capacity 60° Left	460x245 mm	460x220 mm
Capacity 45° Right	460x375 mm	460x335 mm
Capacity 60° Right	460x230 mm	460x210 mm
Blade Size(LxWxT)	4690x34x1.1 mm	
Blade Motor	5 HP	
Height of Work Bed	950 mm	
Weight	1230 kg	
Floor Space(LxWxH)	2765 x 2697 x 2413 mm	

* Design and specifications are subject to change without notice & obligation.
* Machines may be shown with some options.



◀ V-1822

A multifunctional vertical saw for double mitering cutting.
The saw bow can be rotated and locked in any angle between 0~60 degrees left and right manually.



AV-2026NC ▶

Adjustable head cant can be from 0 to 5 degrees.
Hydraulic tilt-frame head allows miter cutting from degrees to plus/minus 60 degrees

Table Moving Vertical Band Saw SVT Series

Vertical Table Moving Band Saw for Mid-Sized Plate/Block Cutting

On Cosen's SVT Series, the hydraulic-driven or servo-driven work table makes material loading and unloading effortless. With the standard side stoppers, back gauge and optional top clamps, material can be positioned fast and secured easily. Frequently used in the die casting industry and super-speed cutting applications (e.g. fiber-glass, ceramic steel cutting), Cosen's SVT Series is precise, easy-to-operate and extremely versatile for small to mid-sized blocks and plates.

Features

- Sturdy, oversized saw bow
- Table moving via precision linear guides (guide rods on SVT-2530H)
- Infinitely variable feed rate and blade speed control
- Hydraulic guide arm & tungsten carbide inserts
- Easy-to-operate control console conveniently located with full view of cutting work.
- HMI touch screen incorporating cutting data display and error feedback
- Hydraulic chip conveyor located directly underneath the cutting area
- Automatic blade breakage detection & shutoff
- Powered wire brush
- Alarm Light
- Last cut function

Precise,
Convenient
Economic



SVT-6070S ▲

Table Moving Vertical Band Saw SVT Series

Model	SVT-6070S	SVT-5075	SVT-2530H
Height	600 mm	500 mm	250 mm
Capacity Throat	700 mm	750 mm	300 mm
Length	1250 mm	500 mm	450 mm
Blade Size (LxWxT)	5710x54x1.6 mm	6100x34x1.1 mm	3605x34x1.1 mm
Blade Motor	10 HP	10 HP	7.5 HP
Workbed Height	1185 mm	1300 mm	1075 mm
Weight	5350 kg	2898 kg	1485 kg
Floor Space (LxWxH)	3541x3355x3091 mm	2003x2184x3110 mm	1830x1411x2000 mm

* Design and specifications are subject to change without notice & obligation.
* Machines may be shown with some options.

Optional Accessories

- Laser light
- Throat measuring stopper & auxiliary side stopper
- Top clamp
- Blade deviation detector



▲ SVT-5075



▲ SVT-2530H

Structural Steel Fabrication

Beam Line, Drilling and Sawing

► **Structural Steel Drilling Machine**

- Simultaneous control of 4 mechanisms without interruptions
- Hydraulic grippers delivering the workpiece directly to the bandsaw machine
- Format conversion and control of DSTV files
- 9+2 CNC-controlled axes (the three spindles can independently travel on X, Y, and Z-axes in a certain range according to processing needs)



Characteristics	D7	D11	D13
Minimum capacities	100 x 75 mm (3.94"x2.95")	100 x 100 mm (3.94"x3.94")	300 x 300 mm (11.81"x11.81")
Maximum capacities	700 x 400 mm (27.55"x15.75")	1100 x 500 mm (43.31"x19.69")	1300 x 600 mm (51.18"x23.62")
Tools per spindle SP1(L); SP2(V); SP3(R)	5 ; 5 ; 5	6 ; 6 ; 6	6 ; 5 ; 6
Number of Ø per spindles SP1(L); SP2(V); SP3(R)	3	3	3
Spindle type	BT40	BT40	BT40
Rotation speed	6000 RPM	6000 RPM	6000 RPM
Maximum diameter	32 mm (1.26")	50 mm (1.97")	40 mm (1.57")
Spindle power	18 kW	18 kW	18 kW
Spindle max. position speed	12 m/min	12 m/min	12 m/min
Carriage maximum speed	40 m/min	40 m/min	40 m/min
Number of axes CNC controlled	2 + 3 + 3	2 + 2 + 2	3 + 3 + 3
Working height	800 mm	800 mm	850 mm

► **MechaLogix CPC – Cosen Predictive Cloud**

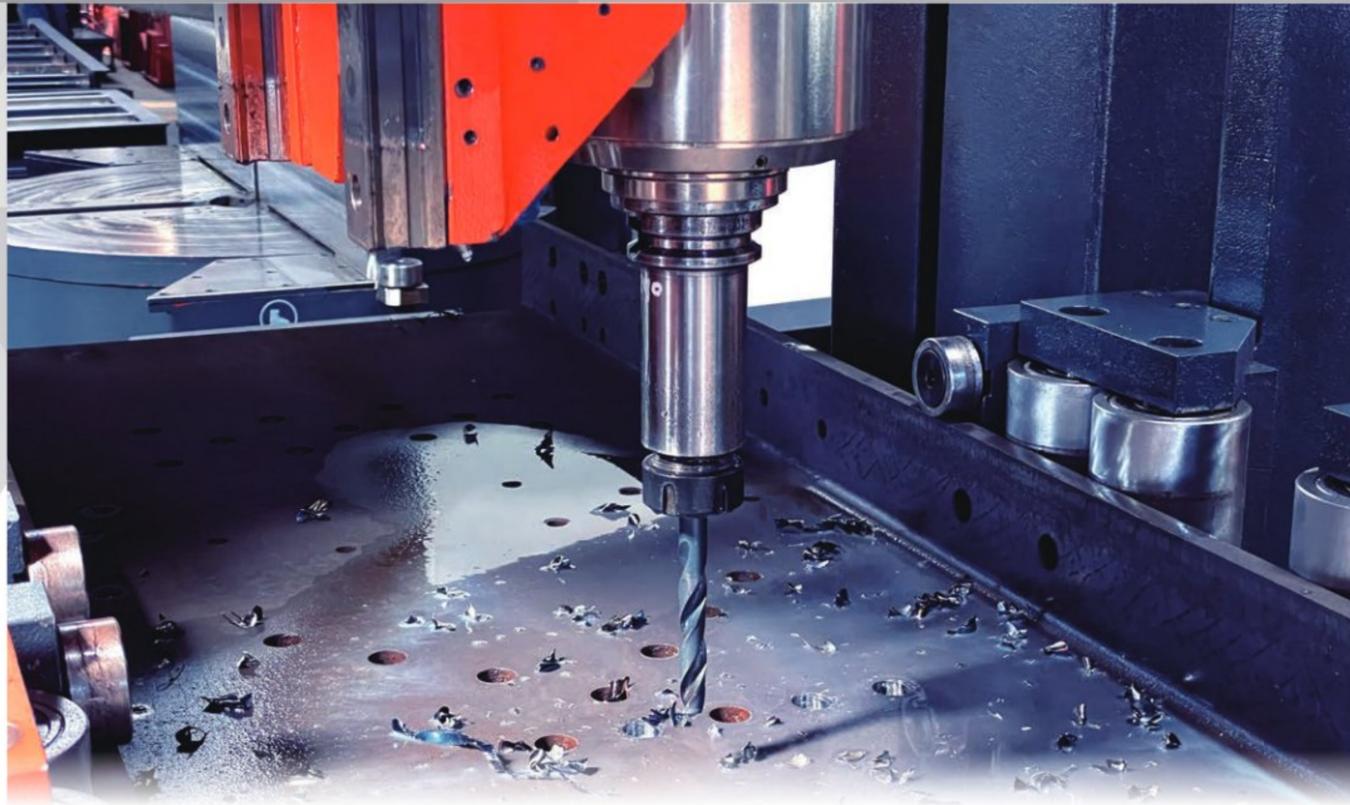
- Spindle health assessment
- Machine utilization management
- Progress measurement and management
- Automatic failure notification
- Operation log history

► **D7 + CL7D**

► **Structural Steel Bandsaw Machine**

- Double mitering ±60°
- Reduce vibration by 30 %
- Increase cutting rate by 30%
- Blade life prediction

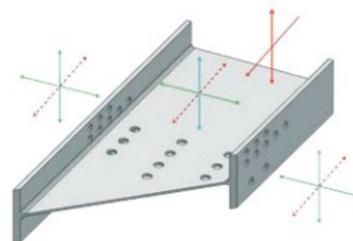
Structural Steel Fabrication Beam Line, Drilling and Sawing



Cosen Smart Drill and Saw Line for Structural Steel

Cosen integrates sensor data from the three major components on a beam line – bandsaw machine, drilling machine, and infeeding/outfeeding system. We upload these key data to Cosen remote service platform to achieve failure prediction and diversified production. Through algorithm, machine learning, and data collecting, we develop advanced applications including machine health assessment and self-adjustment mechanism to further upgrade this smart factory with maximum utilization.

- ✓ Heavy duty designed specifically for cutting structural steel, including angles, channels, tubes, H-beams, etc. at the maximized cutting conditions
- ✓ With automatic in-feeding/out-feeding system, our CNC miter-cutting bandsaw helps you achieve automatic manufacturing and management
- ✓ Equipped with advanced industrial computer, CNC controller, and programming software which is capable of importing and exporting DSTV files
- ✓ Standard network connection and remote monitoring module for better maintenance and program optimization



◀ CNC-controlled three spindles processing

Structural Steel Fabrication Technical Characteristics

Main Technical Features

- **High-Standard CNC Controller**
Equipped with the latest CPU, our CNC controller contributes to smooth performance and short reaction time of multi-spindle machine.
- **Automatic Tool Changer**
Our servo-driven tool changer allows automatic, fast, and smooth tool changing directly via the HMI screen.
- **Control Panel with 14" Color Touchscreen**
IPC-compatible touchscreen as your standard accessory
- **SSS Control (Super Smooth Surface)**
This function suppresses the vibrations of the tool, enabling higher machining stability, higher production accuracy, and better product quality.
- **3D Programming Software**
This 3D programming software allows you to import CAD/CAM files to automatically generate drilling layouts with optimized accuracy, efficiency, and productivity.
- **In-the-moment Prevention and Alarm Notification**
Our remote monitoring system improves your production management, including maintenance schedule, program optimization, troubleshooting, and processing time countdown.
- **Program Customization Service**
Our professional programmers can continuously upgrade the program according to customer needs.



MECHALOGIX™

► Useful Tool for Operator to Run Everything Better!

Value Added Benefits

- Optimize Utilization
- Anticipate The Causes
- Automatic Reporting Service
- Preventive Maintenance Reminder
- Extract Maximum Usage From A Saw Blade
- Real Time Alarm Notification
- Overall KPI Review
- Cost Per Cut Analysis

▼ CPC-Go



◀ CPC-100



► CPC-Go2

► CPC-LITE



◀ Easy Device for Utilization for All Machines.

Optimized Utilization

Mechalogix is able to increase **+50 hours saw uptime**. It shows the progress of the cutting process of blade speed / feed speed / tracking data to provide the user with the best use of the decision parameters. Also, the overall component status of the machine about preventive maintenance which **decrease over 33% downtime**.

Labor Saving

Mechalogix is able to **reduce 30% labor cost**. Previously, your overall productivity was impacted by inadequate manpower and the lack of on-site experience. Now, Mechalogix provides you low cost and help optimize the output & profit margins for customer's facility from a 24-hour full-time useful information service.

Accurate Data Input

Mechalogix, which coordinates with QR code scanning function is able to **reach 100% accuracy of the all input information**. Also, the data will be filled in your HMI automatically. It improves operational efficiency, ensures the accuracy of the information, and also leads to increase flexibility in manufacturing.

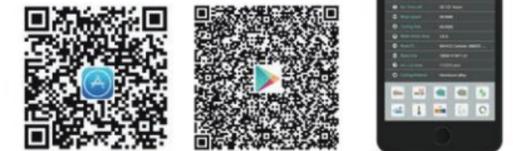


Data Center Bridging

MechaLogix cloud enables data center bridging service and professional interface customization.

Remote Monitoring Service

- Machine Status Monitor
- Utilization Tracking
- Blade Usage Tracking
- Blade Health Assessment
- Blade Life Prediction
- Machine Alarm Notification to Mobile Device
- Cutting Job Monitor
- Cutting Parameters Tracking



More Equipped with:

TV Box (Android system embedded)

Display Screen

*Recommended : 40" UHD TV



◀ VT

TAIWAN EXCELLENCE SILVER AWARD 2021

CPC SAWLOGIX
We saw the future.