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SHARP

PRECISION MACHINE TOOLS



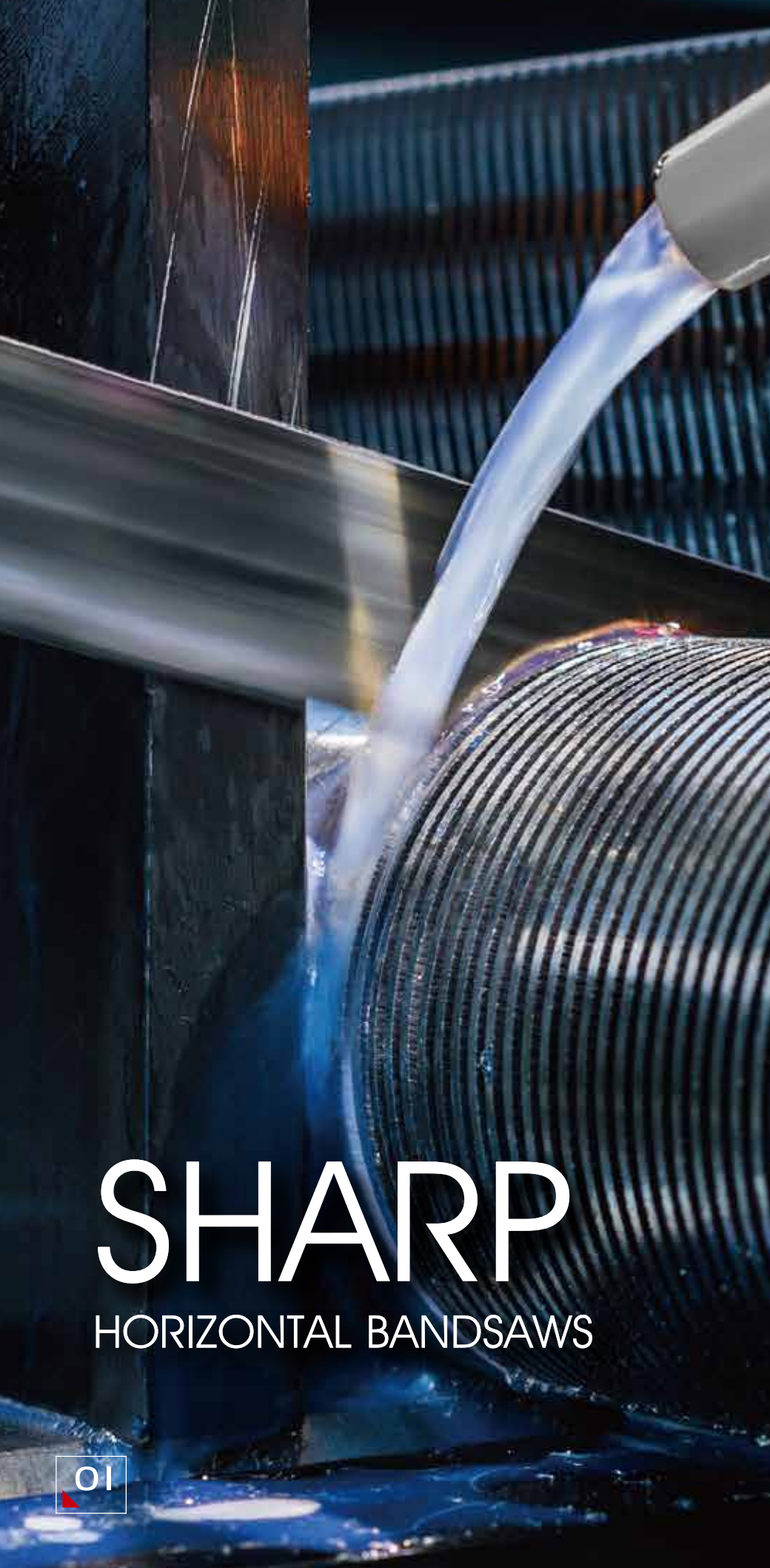
Manual / Semi-Auto Band Saws



Automatic Band Saws



Automatic NC Band Saws



SHARP

HORIZONTAL BANDSAWS



Manual / Semi-Auto Band Saws



Miter Band Saws

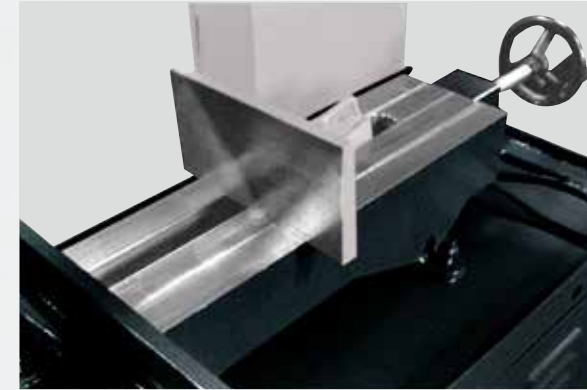


Automatic Band Saws



Automatic NC Band Saws

Features Highlights (Features may vary with different models)



Quick set up vise allows easy and quick adjustments of vise for different Diameter and different cutting degrees. Manual clamp is standard on all Manual models. Hydraulic clamps are standard on most automatic and NC models.



Full Stroke Vises
Vise clamping and unclamping for any work size can be controlled directly from control panel without any need to manually position the vises.



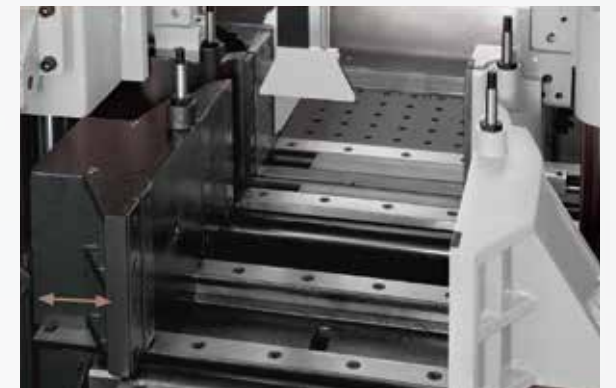
Auto work height select feature allows the arm approach work piece rapidly with safe clearance. After vise clamped material positioned, the arm will descend to cut at the preset rate.



Split vise holds work at both sides of blade allows a burr-free cut and reduce remnant piece to minimum.



Hydraulic back tilt saw arm extends blade life with less blade stress. With compact design it has a smaller footprint.



Double retract vise jaws open and close simultaneously, that compensates crooked or misaligned materials.

Manual / Semi-Auto Band Saws



Model SW-80

Semi-Auto Saw (SW-80 Features)

- » 8" Round
- » 7" square
- » 1 Hp Step Drive
- » Auto Down Feed
- » Manual Vise Clamp
- » Vise Swivel 90-45°
- » Mech Length Stop



More Features:

- » Sawhead automatically rises after completion of cut.
- » Sawhead return height can be adjusted according to work height, increasing working efficiency for users.
- » Hydraulic vises ensure workpiece is clamped tight and secure.
- » Wire brush driven by the pulley system rotates at the same speed as the blade, effectively cleaning chips from blade gullet and enhancing blade life.

Model SW-100H

Semi-Auto Saw (SW-100H Features)

- » Auto sawhead return at end of cut
- » Adjustable return height
- » Hydraulic vise
- » Coolant system
- » 4 step blade speed
- » Manual blade tensioning
- » Mechanical length stop
- » Cut angle up to 45°
- » Variable blade speed (optional)
- » 39" roller feed table (optional)

Specifications:

MODEL		SW-80	SW-100H
CAPACITY	●	8" (200 mm)	10" (250 mm)
	■	7" x 7" (180 x 180 mm)	9" (230 mm)
	■ (H×W)	7" x 11.4" (180 x 290 mm)	9" x 11.8" (230 x 300 mm)
SAW BLADE	Speed	59, 96, 155, 260 fpm (18, 29, 47, 79mpm)	75, 121, 190, 305 fpm (23, 37, 58, 93 m/min)
	Size (L×W×T)	107" x 1" x 0.035" (2720 x 27 x 0.9 mm)	132" x 1.06" x 0.035" (3350 x 27 x 0.9 mm)
	Tension	Spring Loaded	Spring Loaded
MOTOR OUTPUT	Saw Blade	1 HP (0.75 KW)	2HP (1.5 KW)
	Coolant Pump	N/A	1/4HP (0.1875 KW)
WISE CONTROL		Manual	Manual
GROSS WEIGHT		660 lbs (300 kgs)	1276 lbs (580 kgs)
FLOOR SPACE (L×W×H)		56" x 24.5" x 45" (1450 x 625 x 1145 mm)	73" x 35.4" x 41" (1850 x 900 x 1040 mm)

• Specifications are subject to change without prior notice.

Miter Band Saws



Model SW-130HT Model SW-165HT

Miter Saw Features:

- » Swivel sawhead up to 60°
- » Bearing guides support blade
- » Variable blade speed
- » Coolant system
- » Auto hyd blade tensioning
- » 24" discharge table, adj stop
- » Full stroke hyd vise
- » Chip conveyor (opt)
- » Vise pressure regulator (opt)
- » 117" roller feed table (opt)

More Features:

- » Saw blade guidance with carbide rollers
- » Large, easy-to-read scale & slide guide for miter cut
- » Built-in hydraulic unit
- » Dovetail slide guide & arms



Model SW-130HT



Model SW-165HT

Specifications:

MODEL		SW-100T	SW-130HT	SW-165HT	
CAPACITY	●	90°	10" (250 mm)	13" (330 mm)	16.5" (420 mm)
		45°	7.5" (190 mm)	11.4" (290 mm)	15.7" (400 mm)
		30°	N/A	8.7" (220 mm)	9.8" (250 mm)
	■	90° (H×W)	10" x 10" (250 x 250 mm)	11" x 11" (270 x 270 mm)	15.7" x 26" (400 x 650 mm)
		45° (H×W)	6.9" x 6.9" (175 x 175 mm)	10.5" x 10.5" (267 x 267 mm)	15.7" x 15.7" (400 x 400 mm)
		30° (H×W)	N/A	8.7" x 8.7" (220 x 220 mm)	15.7" x 9.8" (400 x 250 mm)
	■	90° (H×W)	9" x 15.7" (230 x 400 mm)	10.6" x 18" (270 x 460 mm)	14.9" x 25.5" (380 x 650 mm)
		45° (H×W)	6" x 8" (155 x 205 mm)	10.5" x 10.5" (267 x 267 mm)	15.7" x 15.7" (400 x 400 mm)
		30° (H×W)	N/A	8.7" x 8.7" (220 x 220 mm)	15.7" x 9.8" (400 x 250 mm)
SAW BLADE	Speed	95, 150, 213, 321 fpm (29, 46, 65, 88 mpm)	75, 117, 166, 247 fpm (23, 36, 51, 76 mpm)	66 – 330 fpm (20 – 100 mpm)	
	Size (L×W×T)	132" x 1" x 0.035" (3353 x 25 x 0.9 mm)	163" x 1.06" x 0.035" (4150 x 27 x 0.9 mm)	208.6" x 1.34" x 0.04" (5300 x 34 x 1.1 mm)	
	Tension	Spring Loaded	Spring Loaded	Spring Loaded	
	Cleaning	Wire Brush	Wire Brush	Powered wire Brush	
MOTOR OUTPUT	Saw Blade	2 HP (1.5 KW)	2 HP (1.5 KW)	5 HP (3.75 KW)	
	Hydraulic	1/4 HP (0.2 KW)	1/2 HP (0.375 KW)	1 HP (0.75 KW)	
	Coolant Pump	1/8 HP (0.1 KW)	1/8 HP (0.1 KW)	1/8 HP (0.1 KW)	
VISE CONTROL		Manual	Full Stroke Cylinder Vise	Full Stroke Cylinder Vise	
GROSS WEIGHT		1408 lbs (640 kgs)	1848 lbs (840 kgs)	3300 lbs (1500 kgs)	
FLOOR SPACE (L×W×H)		67" x 43.5" x 55.5" (1700 x 1100 x 1400 mm)	83" x 65" x 55" (2100 x 1650 x 1400 mm)	90.5" x 114" x 98.4" (2300 x 2900 x 2500 mm)	

• Specifications are subject to change without prior notice.

Automatic Band Saws



Model SW-100A

Model SW-100A Features:

- » Split vise jaws holds work at both sides of blade
- » Hydraulic control front and rear vises
- » Coolant system
- » Digital display cut length, blade speed
- » Plc control hydraulic and electric systems
- » Easy blade changing device
- » Bundle cutting via adjustable fence
- » Hydraulic shuttle vises for heavy work load
- » Digital display of variable blade speeds



Model SW-126AD

Model SW-126AD Features:

- » Double column design offer more powerful, smooth and accurate cutting
- » Split vise holds work at both sides of blade
- » Hydraulic control front and rear vises
- » Coolant system
- » Digital display cut length, blade speed
- » Coolant system
- » Plc control hydraulic and electric systems
- » Easy blade changing device
- » Switch for bundle cutting or single cutting
- » Hydraulic shuttle vises for heavy work load



More Features: **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 fine feed hand wheel making loading and positioning of material simple.

Work Bed

» Work bed with two additional rollers together support the material and makes feeding easy.

» Combining the provided in-feed workbed with the optional gear-driven powered roller table allows material feeding even smoother and more convenient.

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.

Wire Brush

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

Specifications:

MODEL		SW-100A	SW-120A	SW-126AD	SW-180AD
CAPACITY	●	10" (250 mm)	12" (300 mm)	12.6" (320 mm)	18" (460 mm)
	■	10"×10" (250×250 mm)	12"×12" (300×300 mm)	12.6"×12.6" (320×320 mm)	18"×18" (460×460 mm)
	■ (H×W)	10"×11" (250×280 mm)	12"×13.4" (300×340 mm)	12.6"×15" (320×380 mm)	18"×18" (460×460 mm)
	Bundle	W: 6"~8" (155~200 mm) H: 2"~4.7" (50~120 mm)	W: 7.5" (190 mm) H: 5.1" (130 mm)	W: 7.5"~13" (190~330 mm) H: 2.8"~5.5" (70~140 mm)	W: 10.6" (270 mm) H: 8.2" (210 mm)
SAW BLADE	Speed	66~330 fpm (20~100 mpm)	66~330 fpm (20~100 mpm)	66~328 fpm (20~100 mpm)	66~330 fpm (20~100 mpm)
	Size (L×W×T)	137.9"×1.33"×0.04" (3505×34×1.1 mm)	150.4"×1.33"×0.04" (3820×34×1.1 mm)	167"×1.33"×0.04" (4242×34×1.1 mm)	184"×1.6"×0.05" (4670×41×1.3 mm)
	Tension	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	Cleaning	Wire Brush	Wire Brush	Wire Brush	Wire Brush
MOTOR OUTPUT	Saw blade	3HP (2.2 KW)	5 HP (3.75 KW)	5 HP (3.75 KW)	7.5 HP (5.5 KW)
	Hydraulic	1HP (0.75 KW)	1 HP (0.75 KW)	1 HP (0.75 KW)	2 HP (1.5 KW)
	Coolant Pump	1/8HP (0.1 KW)	1/8 HP (0.1 KW)	1/8 HP (0.1 KW)	1/8 HP (0.1 KW)
WISE CONTROL		Hydraulic	Hydraulic	Split front vise and hydraulic shuttle vise	Split front vise and hydraulic shuttle vise
TANK CAPACITY	Hydraulic	5.3 gal (20L)	6.5 gal (25L)	6.5 gal (25L)	10.6 gal (40L)
	Coolant	11.9 gal (45L)	11.8 gal (45L)	11.8 gal (45L)	21.2 gal (80L)
FEEDING	Mode	Hydraulic Automatic	Hydraulic Automatic	Hydraulic Automatic	Hydraulic Automatic
	Length	One stroke 15.9" (400 mm) Max. (141") 3600 mm (0-9 times)	One stroke 15.9" (400 mm) Max. (141") 3600 mm (0-9 times)	One stroke 15.9" (400 mm) Max. (141") 3600 mm (0-9times)	One stroke 23.6" (600 mm) Max.(212.5") 5400 mm (0-9times)
GROSS WEIGHT		3080 lbs (1400 kgs)	3747 lbs (1600 kgs)	4840 lbs (2200 kgs)	6600 lbs (3000 kgs)
FLOOR SPACE (L×W×H)		74.4"×72.8"×62.2" (1890×1850×1580 mm)	74.5"×75"×66.9" (1890×1905×1700 mm)	79"×79"×59" (2010×2010×1500 mm)	104.3"×94.5"×92.5" (2650×2400×2350 mm)

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Automatic NC Band Saws

Programmable control, input quantity, material length, display blade speed, feed vise position, error codes, auto kerf loss compensation. Work height, feed pressure, feed rate selection. Auto shut down.



Model SW-100NC

Model SW-100NC Features:

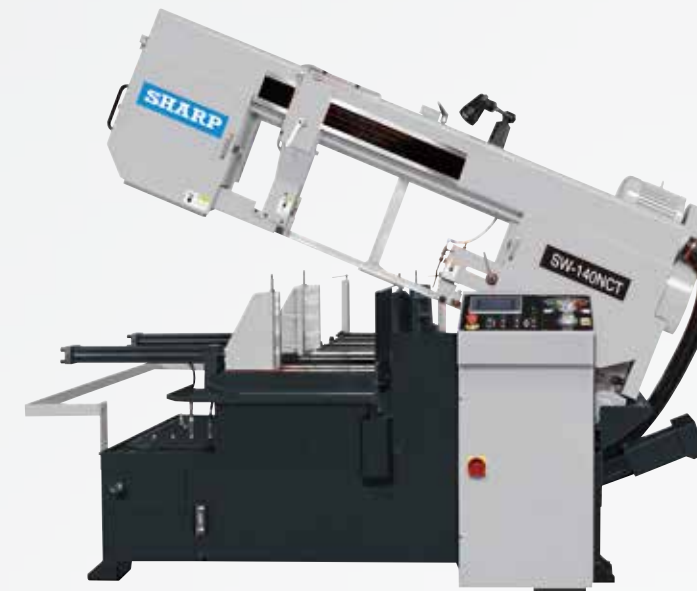
- » Split vise holds work at both sides of blade
- » Hydraulic control front and rear vises
- » Advanced level coolant system
- » Vertical alignment rollers for bundle cutting
- » Easy blade changing device



Model SW-170NCD

Model SW-170NCD Features:

- » Double column design offer more powerful, smooth and accurate cutting
- » Camlock carbide blade guides
- » Split vise jaws holds work at both sides
- » Double retracting vise jaws
- » Hydraulic control front and rear vises
- » Advanced coolant system
- » Easy blade changing device



Model SW-140NCT

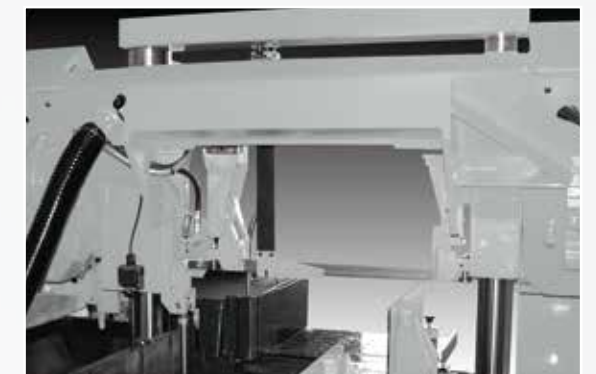
Model SW-140NCT Features:

- » 14" Round
- » 14" square, 5 HP
- » Miter 30/60 Degree
- » Swivel Sawhead
- » Hyd Shuttle Table



2M Roller Table

Used when cutting long work pieces, the sturdily built roller table keeps material level with the machine. (Different lengths available.)



Double column saw arm allows cutting force and feed rate applied evenly from top to bottom. It delivers powerful, smooth and accurate cutting motion.

Smart NC Automatic Mass Production Band Saws: Hinge Type



SMART NC-100 TECHNOLOGY

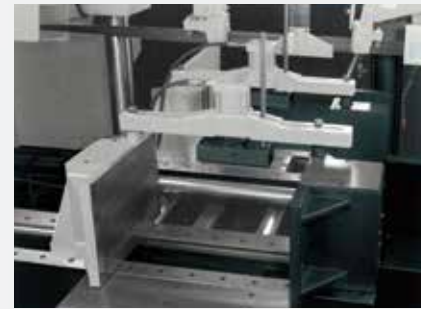
Smart NC-100 technology provides most the benefits of NC controlled saws at a mere fraction of the cost. NC-100 controls are programmable up to 100 different jobs including quality and length of cut. The control automatically compensates for kerf loss after data input and requires no manual calculation of number of times to index. The control also automatically shutdowns the machine, blade motor, and hydraulics, once the programmed number of cuts or out of stock situation has been achieved.



Solid Cast Hinge + Back Tilt Design

The hinge type band saws feature precision bore cast iron hinge utilizing cutting edge technology to offer long machine use. The rigid saw frame adopts a back tilt design, which contributes to:

- » Longer blade life due to less blade stress, saving your tooling costs
- » Smaller footprint due to more compact design



Hydraulic Top Clamps

Required for bundle cut application, the top clamps are hydraulically powered to provide secure clamping and works with the single / bundle cut select switch on the HMI touch panel.

Hydraulic Chip Conveyor

Effective and convenient, the shaftless design incorporated allows for maximum chip removal. Also, this hydraulically powered shaftless chip conveyor does not burn out like traditional electric motors do when material falls and binds in the way.



Specifications

MODEL		SW-100NC	SW-120NC	SW-126NCD	SW-140NCT	SW-160NCT	SW-170NCD	SW-180NC	SW-240NCD	SW-310NCD
MAXIMUM CUTTING CAPACITY	●	10" (250 mm)	12" (300 mm)	12.6" (320 mm)	14.1" (360 mm) 14.1" (360 mm) 9" (230 mm)	16.5" (420 mm) 15.7" (400 mm) 10" (250 mm)	16.5" (420 mm)	18.5" (470 mm)	24.4" (620 mm)	31.5" (800 mm)
	■	10"x10" (250 x 250 mm)	12"x12" (300 x 300 mm)	12.6"x12.6" (320 x 320 mm)	12.9" x 12.9" (330 x 330 mm) 12.9" x 12.9" (330 x 330 mm) 9" x 9" (230 x 230 mm)	14.9" x 14.9" (380 x 380 mm) 15.7" x 15.7" (400 x 400 mm) 10" x 10" (250 x 250 mm)	16.5" x 16.5" (420 x 420 mm)	18.5" x 18.5" (470 x 470 mm)	24.4" x 24.4" (620 x 620 mm)	31.5" x 31.5" (800 x 800 mm)
	■ (H×W)	10" x 11" (250 x 280 mm)	12"x13.4" (300 x 340 mm)	12.6"x15" (320 x 380 mm)	12.9" x 20" (330 x 510 mm) 12.9" x 12.9" (330 x 330 mm) 9" x 9" (230 x 230 mm)	14.9" x 25.5" (380 x 650 mm) 15.7" x 15.7" (400 x 400 mm) 15.7" x 10" (400 x 250 mm)	16.5" x 16.5" (420 x 420 mm)	18.5" x 18.5" (470 x 470 mm)	24.4" x 30" (620 x 760 mm)	31.5" x 34.2" (800 x 870 mm)
	Bundle	Width: 6.1"~7.8"(155~200mm) Height: 1.9"~4.7"(50~120mm)	Width: 7.4"~11.8"(190~300mm) Height: 2.7"~5.5"(70~140mm)	Width: 7.4"~11.8"(190~300mm) Height: 2.7"~5.5"(70~140mm)	Width: 6.8"~17.5"(175~445mm) Height: 8.5"~9.6"(215~245mm)	Width: 7"~25.6"(180~650mm) Height: 1.7"~17.5"(45~445mm)	Width: 7.4"~14.1"(190~360mm) Height: 3.9"~7"(100~180mm)	Width: 10.4"~15"(265~380mm) Height: 8.2"~9.8"(210~250mm)	Width: 23.6"~27.5"(600~700mm) Height: 7"~15.3"(180~390mm)	Width: 11"~33.4"(280~850mm) Height: 9.7"~31.5"(247~800mm)
SAW BLADE	Speed	50~328 fpm (15~100 mpm)	66~328 fpm (20~100 mpm)	66~328 fpm (20~100 mpm)	66~328 fpm (20~100 mpm)	66~328 fpm (20~100 mpm)	66~328 fpm (20~100 mpm)	60~330 fpm (20~100 mpm)	66 ~ 328fpm (20~100 mpm)	49 ~ 293 fpm (15 ~ 80 mpm)
	Size (L×W×T)	138" x 1.3" x 0.042" (3505 x 34 x 1.1 mm)	150.4" x 1.3" x 0.04" (3820 x 34 x 1.1 mm)	167" x 1.3" x 0.04" (4240 x 34 x 1.1 mm)	1.3" x 196.8" x 0.04" (34 x 5000 x 1.1 mm)	208.6" x 1.6" x 0.05" (5300 x 41 x 1.3 mm)	187.8" x 1.6" x 0.05" (4770 x 41 x 1.3 mm)	198" x 1.61" x 0.051" (5040 x 41 x 1.3 mm)	283" x 2.1" x 0.06" (7200 x 54 x 1.6 mm)	326.8" x 2.6" x 0.06" (8300 x 67 x 1.6 mm)
	Tension	Hydraulic controlled	Hydraulic controlled	Hydraulic controlled	Hydraulic controlled	Hydraulic controlled	Hydraulic controlled	Hydraulic controlled	Hydraulic controlled	Hydraulic (Automatic Blade Breakage Detector)
	Guide	Tungsten Carbide Blade Guide	Tungsten Carbide Blade Guide	Tungsten Carbide Blade Guide	Tungsten Carbide Blade Guide	Carbide with top guides & pre-alignment roller guides	Tungsten Carbide Blade Guide	Tungsten Carbide Blade Guide	Tungsten Carbide Blade Guide	Tungsten Carbide Blade Guide
	Cleaning	Wire Brush	Wire Brush	Wire Brush	Wire Brush	Powered wire Brush	Powered wire Brush	Powered wire Brush	Powered wire Brush	Powered wire Brush
MOTOR OUTPUT	Saw Blade	3 HP (2.2 KW)	5 HP (3.75 KW)	5 HP (3.75 KW)	5 HP (3.75 KW)	7.5 HP (5.6 KW)	7.5 HP (5.6 KW)	7.5 HP (5.6 KW)	10 HP (7.5 KW)	10 HP (7.5 KW)
	Hydraulic	1 HP (0.75 KW)	1 HP (0.75 KW)	1 HP (0.75 KW)	1 HP (0.75 KW)	1 HP (0.75 KW)	2 HP (1.5 KW)	2 HP (1.5 KW)	2 HP (1.5 KW)	3 HP (2.2 KW)
	Coolant	1/8 HP (0.1 KW)	1/8 HP (0.1 KW)	1/8 HP (0.1 KW)	1/8 HP (0.1 KW)	1/4 HP (0.2 KW)	1/8 HP (0.1 KW)	1/4 HP (0.19 KW)	1/4 HP (0.19 KW)	1/4 HP (0.19 KW)
TANK CAPACITY	Hydraulic Oil	5.3 gal (20L)	6.6 gal (25L)	6.6 gal (25L)	6.6 gal (25L)	10.6 gal (40L)	10.6 gal (40L)	22.3 gal (60L)	10.6 gal (40L)	26.6 gal (100L)
	Coolant	11.9 gal (45L)	11.9 gal (45L)	11.9 gal (45L)	11.9 gal (45L)	22.5 gal (85L)	22.5 gal (85L)	31.7 gal (120L)	22.5 gal (85L)	32 gal (120L)
FEEDING	Mode	HYDRAULIC, Automatic, NC controller	HYDRAULIC, Automatic, NC controller	HYDRAULIC, Automatic, NC controller	HYDRAULIC, Automatic, NC controller	Hydraulically powered	HYDRAULIC, Automatic, NC controller	Hydraulic Full Stroke Cylinder, NC Automatic, NC Programmable Fully Automatic Horizontal Band Saw	HYDRAULIC, Automatic, NC controller	HYDRAULIC, Automatic, SNC controller
	Length	Single Stroke: 15.9" (403 mm)	Single Stroke: 15.9" (403 mm)	Single Stroke: 15.9" (403 mm)	Single Stroke: 15.9" (403 mm)	Single Stroke: 0-31.4"(0-800 mm)	Single Stroke: 19.8" (503 mm)	Single Stroke: 19.7" (500 mm)	Single Stroke: 23.6" (600 mm)	Single Stroke: 16.5" (420 mm)
WISE CONTROL		Hydraulic	Hydraulic	Hydraulic	Full Stroke Cylinder Vise	Full Stroke Cylinder Vise	Hydraulic Full Stroke Cylinder	Hydraulic Full Stroke Cylinder	Hydraulic Full Stroke Cylinder	2 full stroke hydraulic cylinder vises (one set being shuttle vises) Minimum clamped width: 10.6" (270mm)
HEIGHT OF WORK BED		26" (660 mm)	26" (660 mm)	31" (790 mm)	30.8" (783 mm)	29.5" (750 mm)	27.5" (700 mm)	31.5" (800 mm)	29.5" (750 mm)	25.2" (640 mm)
GROSS WEIGHT		3630 lbs (1650 kgs)	3960lbs (1800 kgs)	4840 lbs (2200 kgs)	4697 lbs (2135 kgs)	6160 lbs (2800 kgs)	7260 lbs (3300 kgs)	5500 lbs (2500 kgs)	11880 lbs (5400 kgs)	19360 lbs (8800 kgs)
FLOOR SPACE (L×W×H)		77"x85"x66" (1956x2159x1676 mm)	79"x75"x59" (2010x1890x1500 mm)	79"x79"x75" (2010x2000x1900 mm)	130"x108.2"x82.6" (3300x2750x2200 mm)	141"x114.1"x98.4" (3600x2900x2500 mm)	98"x93"x68" (2490x2360x1735mm)	91.3"x97.4"x98.4" (2320x2475x2500 mm)	86"x145.6"x96.4" (2200x3700x2450 mm)	153" x 92" x 116" (3890 x 2330 x 2940 mm)

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