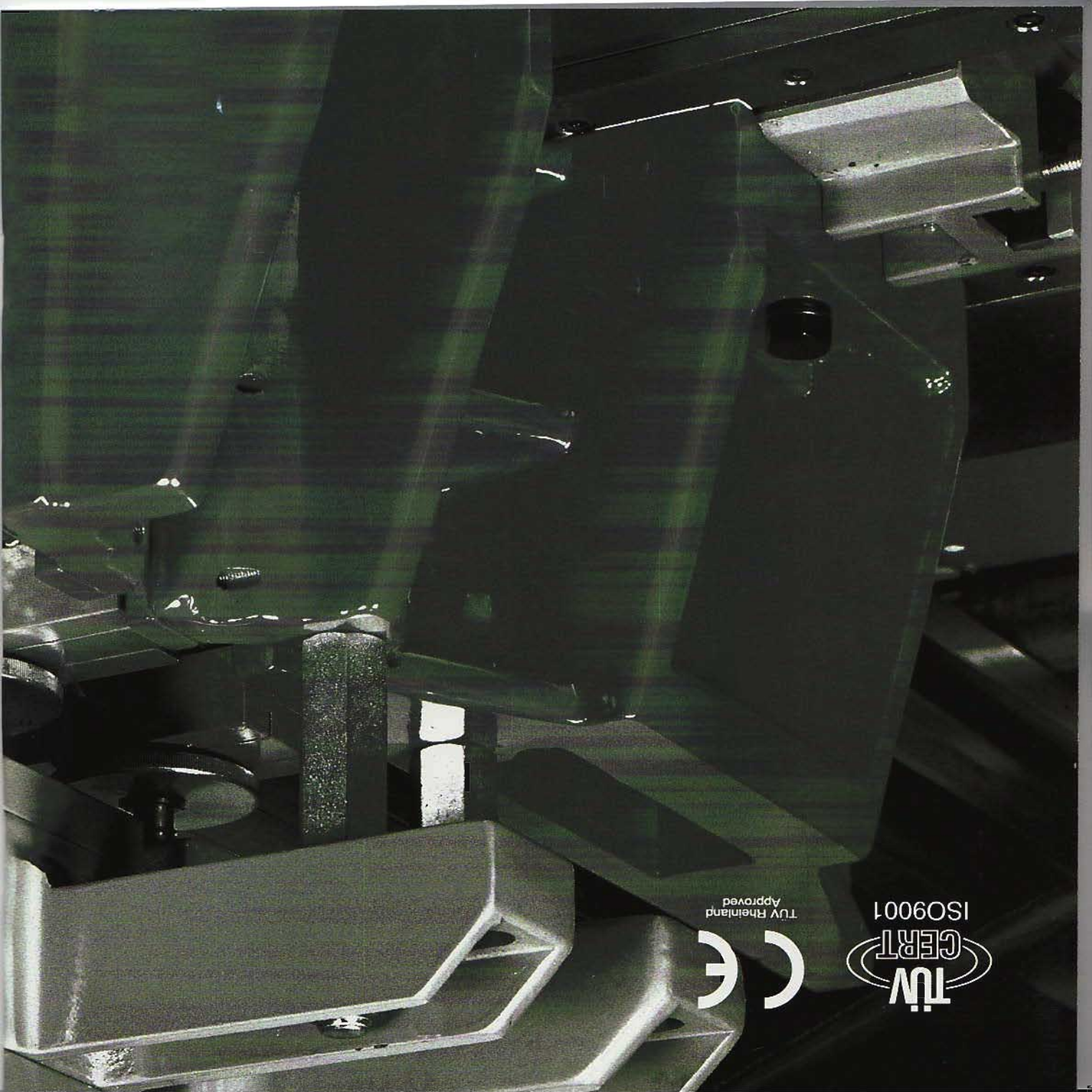


H-GA
A SERIES

DOUBLE COLUMN HEAVY
DUTY AUTOMATIC
HORIZONTAL BANDSAWS



TUV Rheinland
Approved



ISO9001





DOUBLE COLUMN HEAVY DUTY AUTOMATIC HORIZONTAL BANDSAWS

QUALITY DESIGN - Skillful engineering and imaginative design give every MEGA Band Saw exceptional cutting capacity.

- A completely automatic cutting cycle synchronized with an automatic bar-feed mechanism and stock clamping action provide accurate repetitive cutting.
- An excellent blade tensioning system and guides keep the blade aligned and under constant load at all times.
- A hydraulically controlled cutting feed maintains a constant cutting rate regardless of the workpiece cross section.
- A power-driven brush continually flushed by a cutting fluid spout keeps the blade and saw guides free of chips for smoother cutting.
- A quick approach and normal feed rate selector are equipped to cause the blade to quickly descend into position.
- A "Cutting Piece Counter"-is used to preset the number of cuts required during automatic operation.
- Two hydraulically operated vises, one a fixed front vise, the other an indexible travelling vise in the rear side.
- The hydraulically operated nesting fixture is designed for high production multiple sawing of stacked bars, small rounds, and tubes. The fixture contains vertical cylinders mounted on the index and front vises. It holds stacked work firmly to prevent vibration.
- A cutting length presetting device is built into the saw to preset the required cutting length of a workpiece during automatic operation. It is simply operated by means of a read-out digital device.
- Multiple stroke Preset Counter: when a cutting length of more than 16" is required, the number of strokes can be preset on this counter. The counter is capable of being set to a maximum of nine strokes 144" (3,600mm)

SAFETY-DESIGN - Every MEGA Band Saw is factory equipped with:

- Safety and thermal overload switches.
- Well guarded blades and wheel covers.
- Saw Blade shuts off automatically when cutting is complete.
- Low voltage & zero voltage controls.
- A blade breakage sensor/motion detector provides automatic shutoff.

All MEGA NC cutoff machine GA series have been the best seller since their introduction into market.

For all models, input length and number of cuts data into the incorporated microcomputer with the easy-to-use keyboard, and the workpieces will be automatically cut into the pre-set lengths and the required numbers (upto 9 different courses available)

Special features for all Mega GA series bandsaws:

1. Five-course setting of length & number of cuts.
Cut-off length and the number of cuts can be set in five courses by simple key operation. Total five courses cutting data are shown on the LED display at the same time. The current number of cuts is indicated by blinking signal lights.

2. Automatic kerf loss compensation.
The microcomputer permits automatic setting of multiple index including kerf loss in long-length cutting. No need for troublesome calculating procedure.

3. Automatic fault finding (err, signals).
The sophisticated selfdiagnosis system constantly monitors the internal state of the computer. Should a failure occur, machine operation will be stopped and the error number of the defective position is indicated.

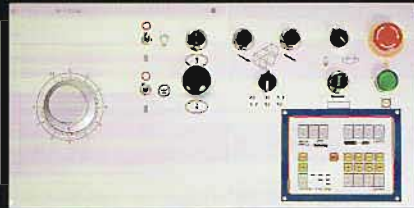
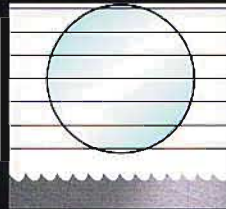


GA NC CONTROL

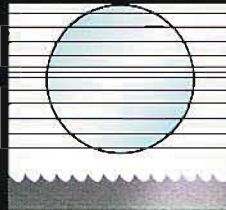
AMPLIFYING VALVE

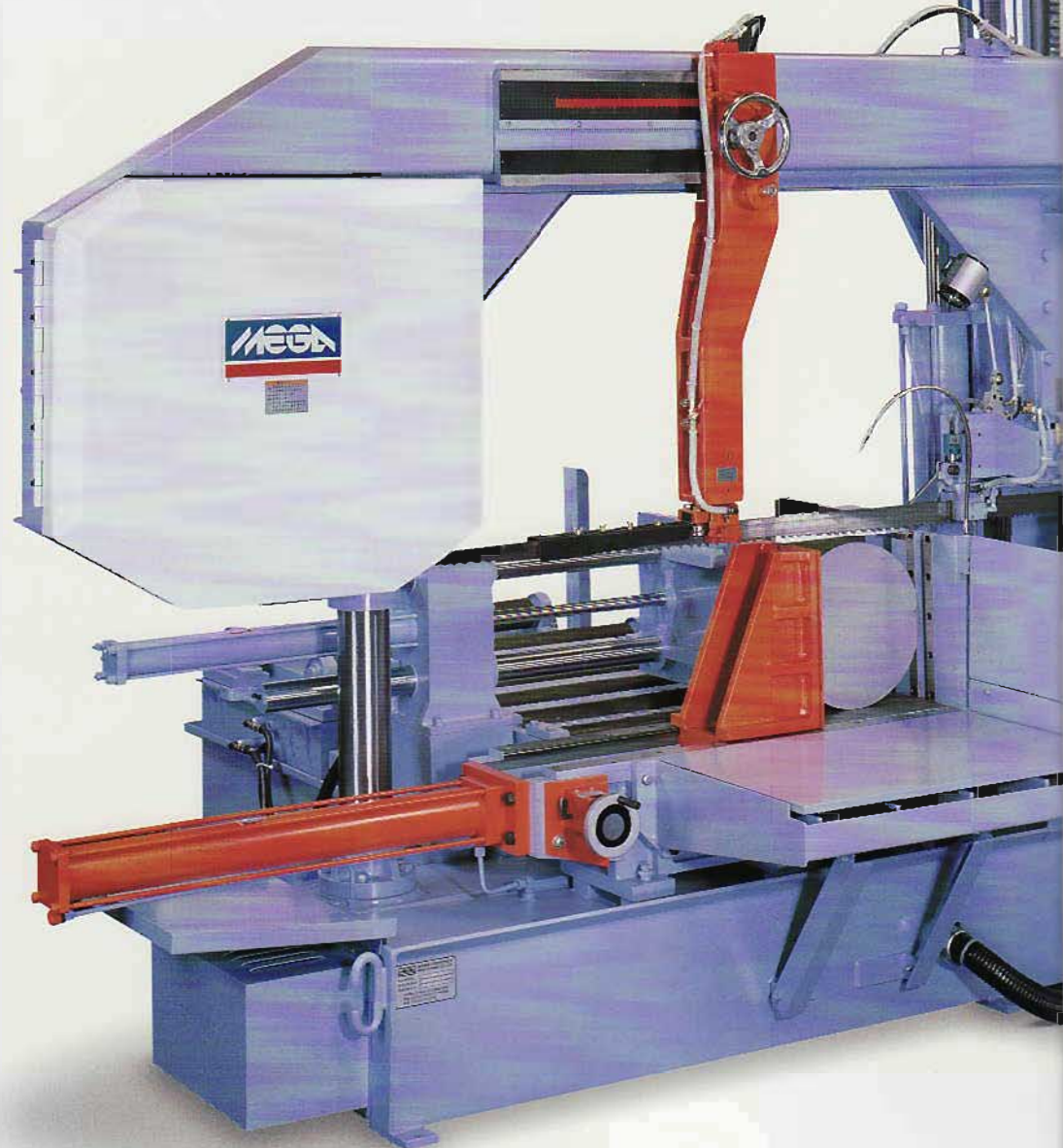
TWO DIFFERENT CONTROL SYSTEMS AS PICTURES DEMONSTRATED BELOW ARE OPTIONAL AVAILABLE.
PLEASE ASK FOR FULL DETAILS OF A MODEL SUITED TO YOUR PARTICULAR CUTTING REQUIREMENTS.

1. Standard cutting feedrate system.



2. Amplifying valve for auto adjusting optimized cutting feedrate system. (Optional available on all models)







H-700A H-700GA

MODEL		H-700A	H-700GA
SPECIFICATIONS	Cutting Capacity	(mm) ø720 □ 800W x 720H	
		(in) ø28 □ 31.5W x 28H	
Blade Size	(mm)	50 x 1.6 x 8128	
	(in)	2 x 0.063 x 320	
Blade Speed	(M)	25, 32, 42, 55, 70, 80 variable speed 20-80 OPT	
	(ft)	82, 105, 138, 180, 230, 260 variable speed 65-260 OPT	
Motor Output	(kw)	Blade 7.5 Hyd. 2.2 coolant 0.1	
	(hp)	Blade 10 Hyd. 3 coolant 1/8	
Shipping Volume	(mm)	3945L x 2500W x 2570H	
	(in)	13.1L x 8.2W x 8.4H	
Weight Net/Gross	(kg)(lb)	5300/6000 11860/13200	



H-550A H-550GA

	MODEL	H-550A	H-550GA
SPECIFICATIONS			
Cutting Capacity	(mm)	ø550 □ 550H x 600W	
	(in)	ø22 □ 22H x 24W	
Bundle Cutting	(mm)	250H x 440W 10'H x 17"W	
Blade Size	(mm)	38 x 1.30 x 5800	
	(in)	1 1/2 x 0.051 x 228.35	
Blade Speed	(M)	25.32.42.55.70.80 variable speed 20-80 OPT	
	(ft)	82.105.138.180.230.260 variable speed 65-260 OPT	
Motor Output	(kw)	Blade 5.6 Hyd. 1.5 Coolant 0.1	
	(hp)	Blade 7.5 Hyd. 2 Coolant 1/8	
Shipping Volume	(mm)	2960 L x 2320W x 2290H	
	(in)	116.5L x 91.3W x 90.2H	
Weight Net/Gross	(kg)(lb)	3800/4500 8360/9900	





H-5042A H-5042GA

		MODEL	H-5042A	H-5042GA
SPECIFICATIONS				
Cutting Capacity	(mm)		ø420 □ 500H x 420W	
	(in)		ø16.5 □ 19.68H x 16.5W	
Bundle Cutting	(mm)		210H x 368W 8.2"H x 14.4"W	
	(mm)		41 x 1.30 x 5100	
Blade Size	(in)		1.6 x 0.051 x 200.78	
	(M)		25.32 42.55 70.80 variable speed 25-100 OPT	
Blade Speed	(ft)		82.105.138.180.230.260 variable speed 82-260 OPT	
	(kw)		Blade 5.625 Hyd. 0.75 Coolant 0.1	
Motor Output	(hp)		Blade 7.5 Hyd. 1 Coolant 1/8	
	(mm)		2680 L x 2150W x 2000H	
Shipping Volumn	(in)		105.5L x 84.6W x 78.7H	
	(kg)(lb)		2900/3350 6380/7370	



H-460A H-460GA

MODEL		H-460A	H-460GA
SPECIFICATIONS	Cutting Capacity	(mm) $\phi 460$ $\square 460H \times 480W$	
		(in) $\phi 18$ $\square 18H \times 18.9W$	
Bundle Cutting	(mm)	210H x 368W 8.2"H x 14.4"W	
Blade Size	(mm)	38 x 1.30 x 5300	
	(in)	1 1/2 x 0.051 x 208.7	
Blade Speed	(M)	25.32.42.55.70.80 variable speed 20-80 OPT	
	(ft)	82.105.138.180.230.260 variable speed 65-260 OPT	
Motor Output	(kw)	Blade 5.6 Hyd. 1.5 Coolant 0.1	
	(hp)	Blade 7.5 Hyd. 2 Coolant 1/8	
Shipping Volume	(mm)	2850L x 2250W x 2000H	
	(in)	112.2L x 88.6W x 78.7H	
Weight Net/Gross	(kg)(lb)	3200/3800 7040/8360	





H-400A H-400GA

MODEL		H-400A	H-400GA
SPECIFICATIONS			
Cutting Capacity	(mm)	ø400 □ 400H x 400W	
	(in)	ø16.5 □ 16.5H x 16.5W	
Bundle Cutting	(mm)	230H x 320W 9"H x 13"W	
	(mm)	32 x 1.1 x 4570	
Blade Size	(in)	1 1/4 x 0.042 x 180	
	(M)	25, 32, 42, 55, 70, 80 variable speed 20-80 OPT	
Blade Speed	(ft)	82, 105, 138, 180, 230, 260 variable speed 65-260 OPT	
	(kw)	Blade 3.75 Hyd. 0.75 coolant 0.1	
Motor Output	(hp)	Blade 5 Hyd. 1 coolant 1/8	
	(mm)	2580L x 2290W x 2270H	
Shipping Volume	(in)	8.5L x 7.5W x 7.5W	
	(kg)(lb)	2550/2950 5610/6490	



H-330A H-330GA

MODEL		H-330A	H-330GA
SPECIFICATIONS			
Cutting Capacity	(mm)	ø330 □ 330H x 350W	
	(in)	ø13 □ 13H x 13.7W	
Bundle Cutting	(mm)	150H x 264W 6"H x 10"W	
	(mm)	32 x 1.06 x 3920	
Blade Size	(mm)	1 1/4 x 0.042 x 154.33	
	(in)	1 1/4 x 0.042 x 154.33	
Blade Speed	(M)	25, 32, 42, 55, 70, 80 variable speed 20-80 OPT	
	(ft)	82, 105, 138, 180, 230, 260 variable speed 65-260 OPT	
Motor Output	(kw)	Blade 3.75 Hyd. 0.75 Coolant 0.1	
	(hp)	Blade 5 Hyd. 1 Coolant 1/8	
Shipping Volume	(mm)	2270L x 2100W x 1700H	
	(in)	89.4L x 82.7W x 66.9H	
Weight Net/Gross	(kg)/(lb)	1450/1850 3190/4070	



H-260A H-260GA

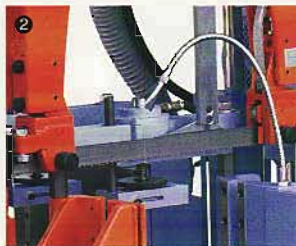
SPECIFICATIONS	MODEL	H-260A	H-260GA
Cutting Capacity	(mm)	ø260 □ 260H x 280W	
	(in)	ø10 □ 10H x 11W	
Bundle Cutting	(mm)	130H x 208W 5"H x 8"W	
Blade Size	(mm)	25 x 0.90 x 3660	
	(in)	1 x 0.035 x 144	
Blade Speed	(M)	25, 32, 42, 55, 70, 80 variable speed 20-80 OPT	
	(ft)	82, 105, 138, 180, 230, 260 variable speed 65-260 OPT	
Motor Output	(kw)	Blade 2.25 Hyd. 0.75 Coolant 0.1	
	(hp)	Blade 3 Hyd. 1 Coolant 1/8	
Shipping Volume	(mm)	2200L x 2100W x 1700H	
	(in)	86.6L x 82.7W x 66.9H	
Weight Net/Gross	(kg)(lb)	1300/1600 2860/3520	





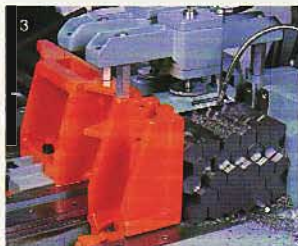
1. PRECISE CUT OFF LENGTH SETTING:

A convenient digital readout control located at the operator's station provides easy selection of precise bar length requirement. The digital readout is calibrated in 0.10mm or 0.01 IN increments and can be repositioned without interrupting the cutting cycle.



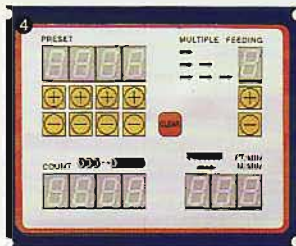
2. AUTO HEAD-ELEVATION AND QUICK APPROACH:

Raising the blade higher than necessary to clear the work for the next cut wastes time. Head elevation is controlled automatically and no longer requires the operator's attention. A control device that senses the size of the workpiece, permits the saw head to raise just high enough so the blade clears the work. This reduces index cycling time significantly.



3. NESTING FIXTURE:

The hydraulically-operated nesting fixture is designed for high-production multiple sawing of stacked bars, small rounds and tubing. The fixture contains vertical cylinders mounted on the index and front vises. It holds stacked work firmly to assure accurate cuts and prevent center bars from turning.



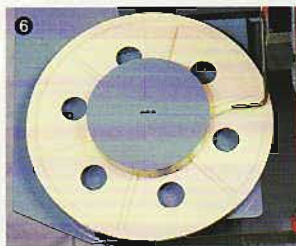
4. CUTTING PIECE COUNTER AND MULTIPLE STROKE COUNTER:

The cutting piece counter is used to preset the number of cuts required on automatic operation. When the counter reaches the preset number the saw automatically stops. The multiple stroke counter makes it possible to multiply the number of index cycles when pieces longer than 400mm (16in) are required.



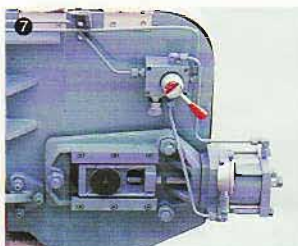
5. QUICK-ADJUSTING CARBIDE SAW-BAND GUIDES:

For the replacement of the saw blade or the repositioning of the guide arms, two levers are incorporated in the saw guides to allow these operations to be carried out quickly and efficiently. (Hydraulic carbide guides on 550/700 models)



6. IDLE WHEEL MOTION DETECTOR:

This device not only can protect the saw blade from damage if the blade overloads during cutting, but will also shut off the machine if the blade should break.



7. HYDRAULIC BAND TENSION CONTROL:

During operation of the saw the correct tension is automatically maintained. The tension is reduced when the saw is shut-off. This procedure greatly increases blade life.



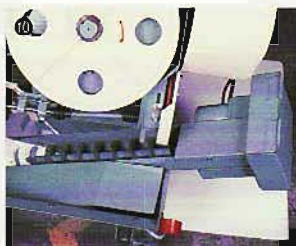
8. QUICK-ACTION HYDRAULIC TWIN-VICE (SPLIT VICE) 3-JAW CLAMPING:

Materials are firmly clamped on both sides of the saw blade by twin vices. Operating a single switch provides manual or automatic clamping and unclamping materials. These unique twin vices allow automatic bar feed and cutting to within as little as 50mm of bar end.



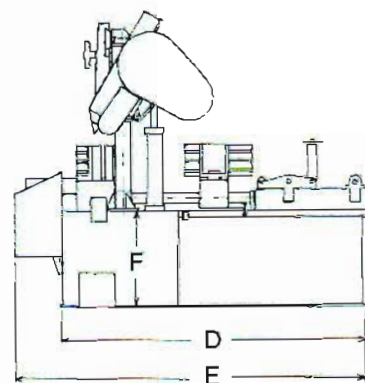
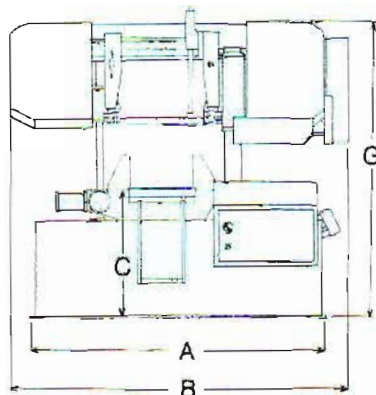
9. UNIQUE TWO-WAY VISE JAW:

Both vise jaws on the rear work-carriage are actuated simultaneously, opening or closing, instead of the traditional one that is fixed on one side, moveable on another. This particular design ensures accurate indexing even with warped stock.



10. AUTOMATIC CHIP CONVEYOR

A power driven brush keeps the saw teeth free of chips. Rotating screw shaft in the coolant return drains chips of cutting fluid and propels dry chips by auger conveyor out through a discharge chute.



SPECIFICATIONS		A	B	C	Ø	E	F	G
MODEL								
H-260A	(mm)	1590	2000	700	1768	2118	480	1630
H-260GA	(in)	62.6	78.7	27.6	69.6	83.4	18.9	64.2
H-330A	(mm)	1650	2150	700	1768	2118	480	1680
H-330GA	(in)	65.0	84.6	27.6	69.6	83.4	18.9	66.1
H-400A	(mm)	1915	2267	707	2012	2310	505	1810
H-400GA	(in)	75.4	89.3	27.8	79.2	90.9	19.9	71.3
H-460A	(mm)	2000	2720	700	2093	2450	560	1905
H-460GA	(in)	78.7	107.1	27.6	82.4	96.5	22.1	75.0
H-550A	(mm)	2322	2850	700	2093	2450	560	2186
H-550GA	(in)	91.4	112.2	27.6	82.4	96.5	22.1	86.1
H-5042	(mm)	196.7	2475	732	1905	2285	496	1830
H-5042GA	(in)	77.4	97.4	28.8	75	90	19.5	72
H-700A	(mm)	2900	3803	608	2056	2400	361	2370
H-70GA	(in)	114.2	152	23.9	80.9	94.5	14.2	93.3

* Specifications subject to change without notice for improvement and modification.

(MODEL H-260, 330, 400, 460, 550, 5042, 700A)

STANDARD FEATURES

1. Precise cut off length setting.
2. Auto head elevation and quick approach control.
3. Nesting fixture device for bundle cutting.
4. Cutting piece counter with auto-shut-off.
5. Multiple stroke counter for long pieces. (standard 9 times)
6. Power-driven blade cleaning brush and coolant cleaning flush hose
7. Carbide and roller blade guides.
8. hydraulic shuttle vice back-jaw feed method.
9. Hydraulic blade tension control.
10. Work-area light
11. Automatic chip conveyor.
12. Two-way open rear vice jaws to ensure precise bar-feed repeatability even in cutting a little bit warped / surface rough works
13. Unique split machine vice allows cutting to within as little as 50 mm of bar end automatically.

STANDARD ACCESSORIES

1. Tools with tool box.....1 set
2. 2M (7 FT) long roller table1 set with vertical roller guides.
3. Band-cleaning wire brush 2 pcs
4. Band saw blade 1 pc
5. Hydraulic blade tension 1 set
6. Automatic chip conveyor.....1 set
7. Instruction manual and Parts list.....1 copy

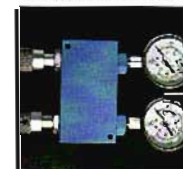
OPTIONAL ACCESSORIES

1. Variable blade speed drive.
2. Variable vise pressure system.
3. Amplifying valve for auto-adjusting cutting feed-rate.
4. GA NC control

VARIABLE BAND SPEED DRIVE



VARIABLE VISE PRESSURE SYSTEM





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