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VERTICAL BAND SAW

ISO9001 CE



V SERIES



HA Fully Automatic Type

- 5 jobs can be set on the control panel.
- Hydraulic Shuttle Table.

SA Semi-Automatic Type

- Manual setting for cutting length.
- Hydraulic Shuttle Table (optional).

Applicable for Cutting Large Materials

400 x 2200 mm ~ 600 x 2500 mm (H x W)

FEATURES

- Laser Projector (Optional)**
By using the laser projector for marking line prior to cutting, more accurate size of cut can be ensured.
- Independent Powered Sawblade Cleaning Wire Brush**
The wire brush is used for removing chips on the sawblade, preventing chips from entering into the circulated cutting fluid while extending the blade life and ensuing cutting quality.
- Cooling Fan**
A fan is employed to cool down the oil temperature of the oil tank, which not only enables the machine to maintain at a high performance of operation, but also prevent oil from over-temperature causing hydraulic oil deterioration and rubber seal aging, resulting in oil leakage.
- Blade Twist**
All models in the V series feature blade twist function (carbide steel clamping)



Auto. Chip Conveyor



Roller Table (Optional)

Hydraulic Shuttle Table (Optional)

Using hydraulics to actuate vise for feeding materials provides materials a stable pressure, that avoids materials vibration while achieving outstanding stability of cutting.



Clamping Vise
Strong and hydraulic clamping vise holds the workpiece firmly during cutting.

Guide Arm
Guide arm is hydraulically operated.



Comparison Table for V, VB and VBS Series

	V SERIES	VB SERIES	VBS SERIES
Cutting feed direction	Perpendicular to table	Parallel with table	Parallel with table
Figure shown	 Cutting Direction Saw frame is located at right side. Cutting direction is from right to left.	 Cutting Direction Saw frame is located at right side. Cutting direction is from front to back.	 Cutting Direction Saw frame is located at right side. Cutting direction is from front to back.
Cutting mode	Fully auto. / Semi-auto.	Semi-auto.	Semi-auto.
Vise	Hydraulic	-	-
Blade twist	90°	0°	0°



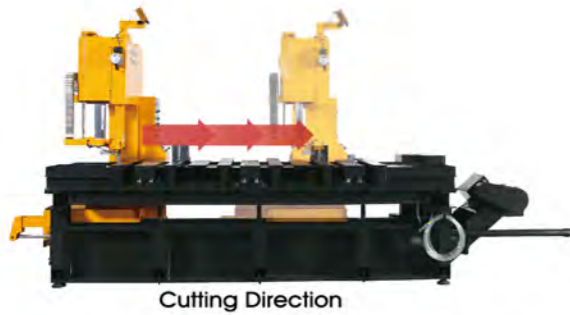
V SERIES

Model	V-0417	V-0422	V-0615	V-0625
CUTTING CAPACITY (H X D)	400 mm x 1700 mm (15.7" x 67") min. clamp width 700 mm (27.5")	400 mm x 2200 mm (15.7" x 86.6") min. clamp width 1200 mm (47.2")	600 mm x 1500 mm (23.6" x 59.1") min. clamp width 500 mm (19.7")	600 mm x 2500 mm (23.6" x 98.4") min. clamp width 1500 mm (59.1")
BLADE SIZE	9040 x 54 x 1.6 mm (355.9" x 2.1" x 0.06")	9940 x 54 x 1.6 mm (391.3" x 2.1" x 0.06")	8100 x 41 x 1.3 mm (318.9" x 1.6" x 0.05")	9850 x 41 x 1.3 mm (387.8" x 1.6" x 0.05")
BLADE SPEED	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)
SHUTTLE VISE STROKE	400 mm (15.7") (Optional)	400 mm (15.7") (Optional)	400 mm (15.7") (Optional)	400 mm (15.7") (Optional)
SAW FRAME FEED	Hydraulic / Servomotor (Optional)	Hydraulic / Servomotor (Optional)	Hydraulic / Servomotor (Optional)	Hydraulic / Servomotor (Optional)
SAW FRAME SHUTTLE STROKE	1900 mm (74.8")	2400 mm (94.5")	1700 mm (67")	2700 mm (106.3")
MOTOR	BLADE DRIVE	7.5 kW (10 HP)	7.5 kW (10 HP)	5.5 kW (7.5 HP)
	HYDRAULIC PUMP	2.2 kW (3 HP)	2.2 kW (3 HP)	2.2 kW (3 HP)
	COOLANT PUMP	0.6 kW (3/4 HP)	0.6 kW (3/4 HP)	0.6 kW (3/4 HP)
	CHIP CONVEYOR	0.4 kW (1/2 HP)	0.4 kW (1/2 HP)	0.4 kW (1/2 HP)
TABLE HEIGHT	1600 mm (63")	1600 mm (63")	1350 mm (53.1")	1350 mm (53.1")
FLOOR SPACE (ROLLER TABLE EXCLUDED)	2100 x 7300 x 3600 mm (SA)	2100 x 8150 x 3700 mm (SA)	2100 x 6400 x 3200 mm (SA)	2100 x 8400 x 3200 mm (SA)
	(82.7" x 287.4" x 141.7") (SA)	(82.7" x 320.9" x 145.7") (SA)	(82.7" x 252" x 126") (SA)	(82.7" x 330.7" x 126") (SA)
	3400 x 7300 x 3600 mm (HA)	3400 x 8150 x 3700 mm (HA)	3400 x 6400 x 3200 mm (HA)	3400 x 8400 x 3200 mm (HA)
	(133.9" x 287.4" x 141.7") (HA)	(133.9" x 320.9" x 145.7") (HA)	(133.9" x 252" x 126") (HA)	(133.9" x 330.7" x 126") (HA)
MACHINE WEIGHT	13500 kgs (29762 lbs) (SA)	15000 kgs (33069 lbs) (SA)	12500 kgs (27558 lbs) (SA)	13000 kgs (28660 lbs) (SA)
	16500 kgs (36376 lbs) (HA)	18500 kgs (40785 lbs) (HA)	16500 kgs (36376 lbs) (HA)	16600 kgs (36597 lbs) (HA)

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SPECIFICATION

VB SERIES



Applicable for Trimming and Small and Medium Plates

400 x 500 mm ~ 700 x 700 mm (H x W)

FRATURES

No Blade Twist

The blade is not required to twist, extending its service life.

F Clamping Device

F clamping device is used together with pads for fixing workpiece on the table, preventing the workpiece from slipping during cutting.



Hydraulic Actuated Roller Lifting Makes Material Infeed Easy (Optional)



Auto. Chip Conveyor



Hydraulic Blade Tension



Out of Square Detector (Optional)

Hydraulically Controlled Guide Arm Movement and Carbide Blade Guide



VB0405-15/25

Control Cabinet

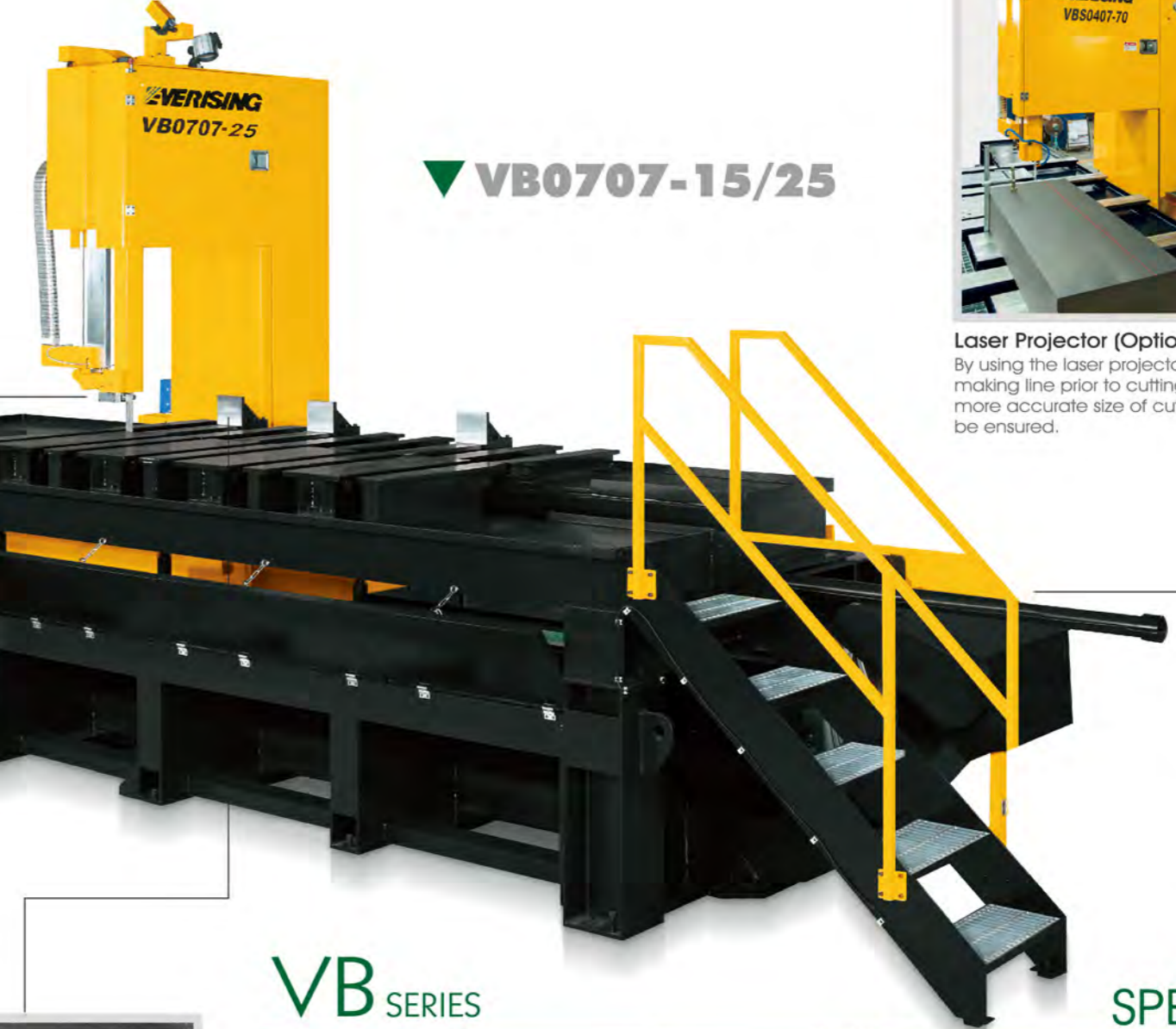


Scale Stopper

The scale stopper can be quickly positioned, ensuring an accurate parallel to laser guide line.



Cutting Length Set Up Scale



VB0707-15/25



Laser Projector (Optional)
By using the laser projector for making line prior to cutting, more accurate size of cut can be ensured.

Hydraulically Actuated Saw Frame Feed

The saw frame feed is driven by hydraulic power and moves on linear ways to upgrade the stability of saw frame movement.

VB SERIES

SPECIFICATION

Model	VB0405	VB0707
CUTTING HEIGHT	400 mm (15.7")	700 mm (27.6")
CUTTING DEPTH	500 mm (19.7")	700 mm (27.6")
CUTTING LENGTH	1.5/2.5 M	1.5/2.5 M
TABLE SUPPORT WIDTH	OUTER TABLE	700 mm (27.6")
	INNER TABLE	700 mm (27.6")
BLADE SIZE	4750 x 41 x 1.3 mm (187" x 1.6" x 0.05")	6800 x 54 x 1.6 mm (267.7" x 2" x 0.06")
BLADE SPEED	20-100 m/min (65 to 330 fpm)	15-75 m/min (50 to 250 fpm)
CUTTING FEED	Hydraulic	Hydraulic
MOTOR	BLADE DRIVE	5.5 kW (7.5 HP)
	HYDRAULIC PUMP	1.5 kW (2 HP)
	COOLANT PUMP	0.2 kW (1/4 HP)
TABLE HEIGHT	1060 mm (41.7")	1600 mm (63")
MACHINE HEIGHT	2500 mm (98.4")	3700 mm (145.7")
FLOOR SPACE	3850L x 2100W mm (151.6" x 82.7")(1.5M)	6400L x 2550W mm (252" x 100.4")(1.5M)
	5700L x 2100W mm (224.4" x 82.7")(2.5M)	7000L x 2550W mm (275.6" x 100.4")(2.5M)
MACHINE WEIGHT	6000 kgs (13227 lbs)(1.5M)	9000 kgs (19842 lbs)(1.5M)
	8000 kgs (17637 lbs)(2.5M)	11500 kgs (25353 lbs)(2.5M)

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VBS SERIES



Cutting Direction

Laser Projector (Optional)

By using the laser projector for marking line prior to cutting, more accurate size of cut can be ensured.



Scale Stopper

The scale stopper can be quickly positioned, ensuring an accurate parallel to laser guide line.

Saw Frame Feed Controlled by Servomotor

The models in VBS series employ servo motor for feed drive. This provides maximum stability at high speed traverse, maximum dependability, long service life and minimum vibration.

Operation Interface

With user-friendly human-machine touch interface, the intuitive operation is simple.

Portable Control Box



Auto. Chip Conveyor

Designed for Cutting Extra Large Plates

Applicable for Cutting

- Extra Large Plates
- Thicker Materials
- Longer Materials

FEATURES

No Blade Twist

The blade is not required to twist, extending its service life.

Two Sets of Hydraulic Power Units

- For controlling inner table cylinder.
- For controlling saw frame.



Cutting Length

Choice of 3 / 4.5 / 6 meters long of table.



VBS0710-60

VBS1013-60

VBS SERIES

SPECIFICATION

Hydraulic Lifting / Feeding Table (Optional)

Choice of flat type or roller type material lifting device, which enables material infeed more convenient and effortless.



Roller Type:

- Applicable for lifting light-weight material.
- Roller table is driven by a motor.

Flat Type:

- Applicable for lifting heavy material.
- Roller table is driven by a hydraulic.



Model		VBS0407	VBS0707	VBS0710	VBS1013	VBS1316	VBS2016
CUTTING HEIGHT		400 mm (15.7")	700 mm (27.6")	700 mm (27.6")	1000 mm (39.4")	1300 mm (51.2")	2000 mm (78.7")
CUTTING DEPTH		700 mm (27.6")	700 mm (27.6")	1000 mm (39.4")	1300 mm (51.2")	1600 mm (63")	1600 mm (63")
CUTTING LENGTH		3 / 4.5 / 6M	3 / 4.5 / 6M	3 / 4.5 / 6M	3 / 4.5 / 6M	3 / 4.5 / 6M	3 / 4.5 / 6M
TABLE SUPPORT WIDTH	OUTER TABLE	1600 mm (63")	1600 mm (63")	1600 mm (63")	1600 mm (63")	2000 mm (78.7")	2000 mm (78.7")
	INNER TABLE	700 mm (27.6")	700 mm (27.6")	1000 mm (39.4")	1300 mm (51.2")	1600 mm (63")	1600 mm (63")
BLADE SIZE		6200 x 54 x 1.6 mm (244.1" x 2.1" x 0.063")	6800 x 54 x 1.6 mm (267.7" x 2.1" x 0.063")	7140 x 54 x 1.6 mm (281.1" x 2.1" x 0.063")	8800 x 67 x 1.6 mm (346.5" x 2.6" x 0.063")	10000 x 80 x 1.6 mm (393.7" x 3.1" x 0.063")	12370 x 80 x 1.6 mm (487" x 3.1" x 0.063")
BLADE SPEED		15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)
CUTTING FEED		Servomotor (2-500 mm/min)	Servomotor (2-500 mm/min)	Servomotor (2-500 mm/min)	Servomotor (1-300 mm/min)	Servomotor (1-300 mm/min)	Servomotor (1-300 mm/min)
MOTOR	BLADE DRIVE	5.5 kW (7.5 HP)	5.5 kW (7.5 HP)	5.5 kW (7.5 HP)	7.5 kW (10 HP)	11.2 kW (15 HP)	18.7 kW (25 HP)
	HYDRAULIC PUMP	1.5 kW (2HP) x 2	1.5 kW (2HP) x 2	1.5 kW (2HP) x 2	1.5 kW (2HP) x 2	1.5 kW (2HP) x 2	1.5 kW (2HP) x 1, 3.7 kW (5HP) x 1
	COOLANT PUMP	0.75 kW (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 (1 HP)
CUTTING FEED SERVO MOTOR		1 kW	1 kW	1 kW	1.5 kW	2 kW	2 kW
TABLE HEIGHT		1500 mm (59.1")	1500 mm (59.1")	1400 mm (55.1")	1500 mm (59.1")	1750 mm (68.9")	2100 mm (82.7")
MACHINE HEIGHT		3400 mm (133.9")	3700 mm (145.7")	3700 mm (145.7")	4600 mm (181.1")	5400 mm (212.6")	7650 mm (301.2")
FLOOR SPACE		10100L x 4100W mm (397.6" x 161.4")(6M)	10100L x 4100W mm (379.6" x 161.4")(6M)	10300L x 4700W mm (405.5" x 185")(6M)	10900L x 5300W mm (429.1" x 208.7")(6M)	11500L x 5600W mm (452.8" x 220.5")(6M)	10500L x 6050W mm (413.4" x 238.2")(4.5M)
MACHINE WEIGHT		14500 kgs (31967 lbs)(6M)	15000 kgs (33069 lbs)(6M)	19000 kgs (41888 lbs)(6M)	28000 kgs (61729 lbs)(6M)	35000 kgs (77162 lbs)(6M)	43500 kgs (95901 lbs)(4.5M)

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