

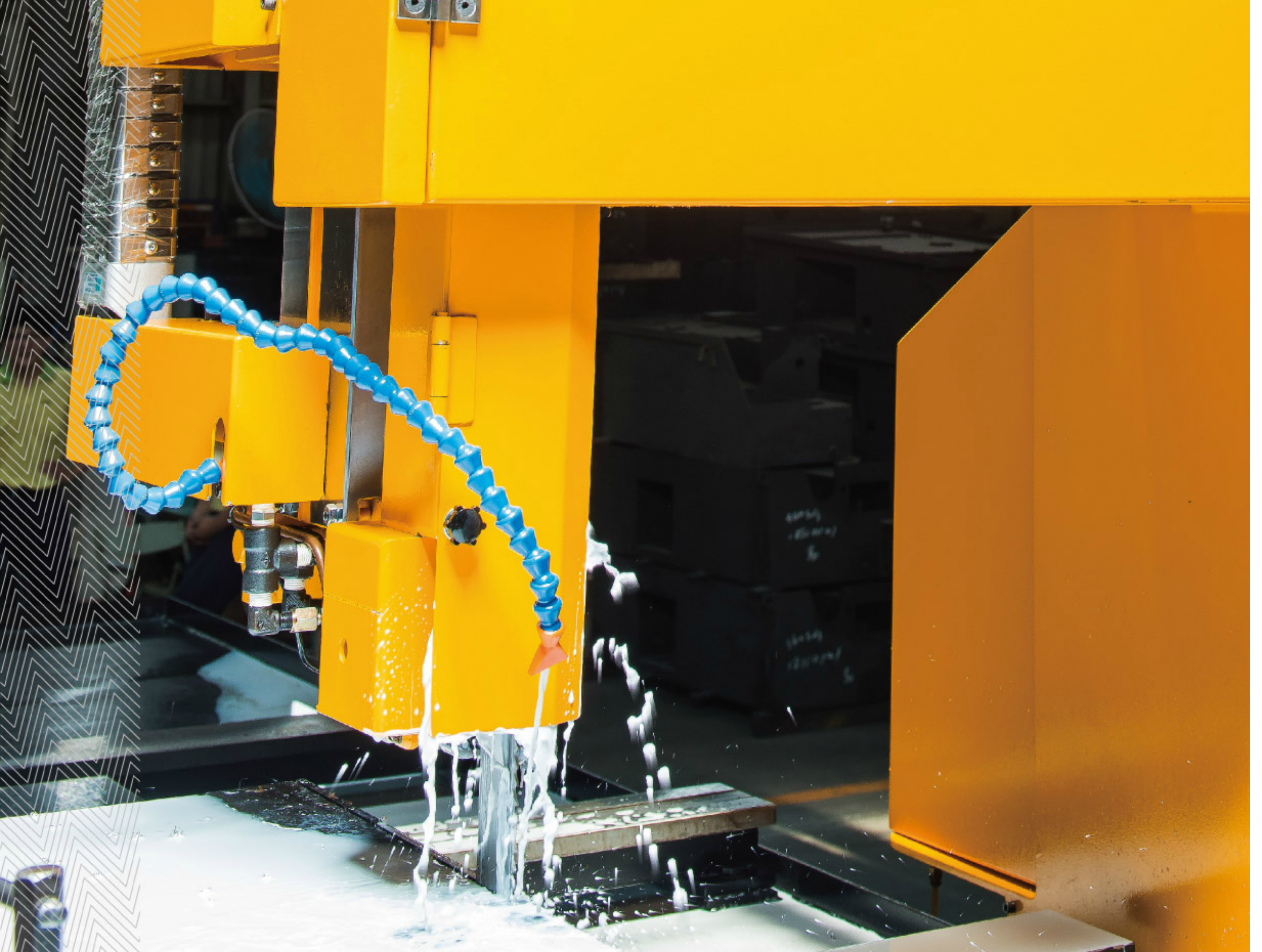


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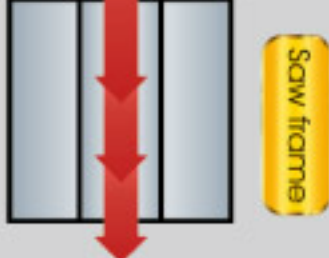
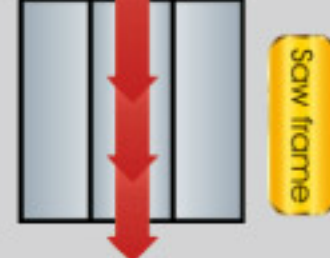
VERTICAL BAND SAW



ISO9001 CE



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	 <p>Cutting Direction Saw frame is located at right side. Cutting direction is from right to left.</p>	 <p>Cutting Direction Saw frame is located at right side. Cutting direction is from front to back.</p>	 <p>Cutting Direction Saw frame is located at right side. Cutting direction is from front to back.</p>
Cutting mode	Fully auto. / Semi-auto.	Semi-auto.	Semi-auto.
Vise	Hydraulic	-	-
Blade twist	90°	0°	0°



Cutting Direction

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

1 Laser Projector (Optional)

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

2 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.

3 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.

4 Blade Twist

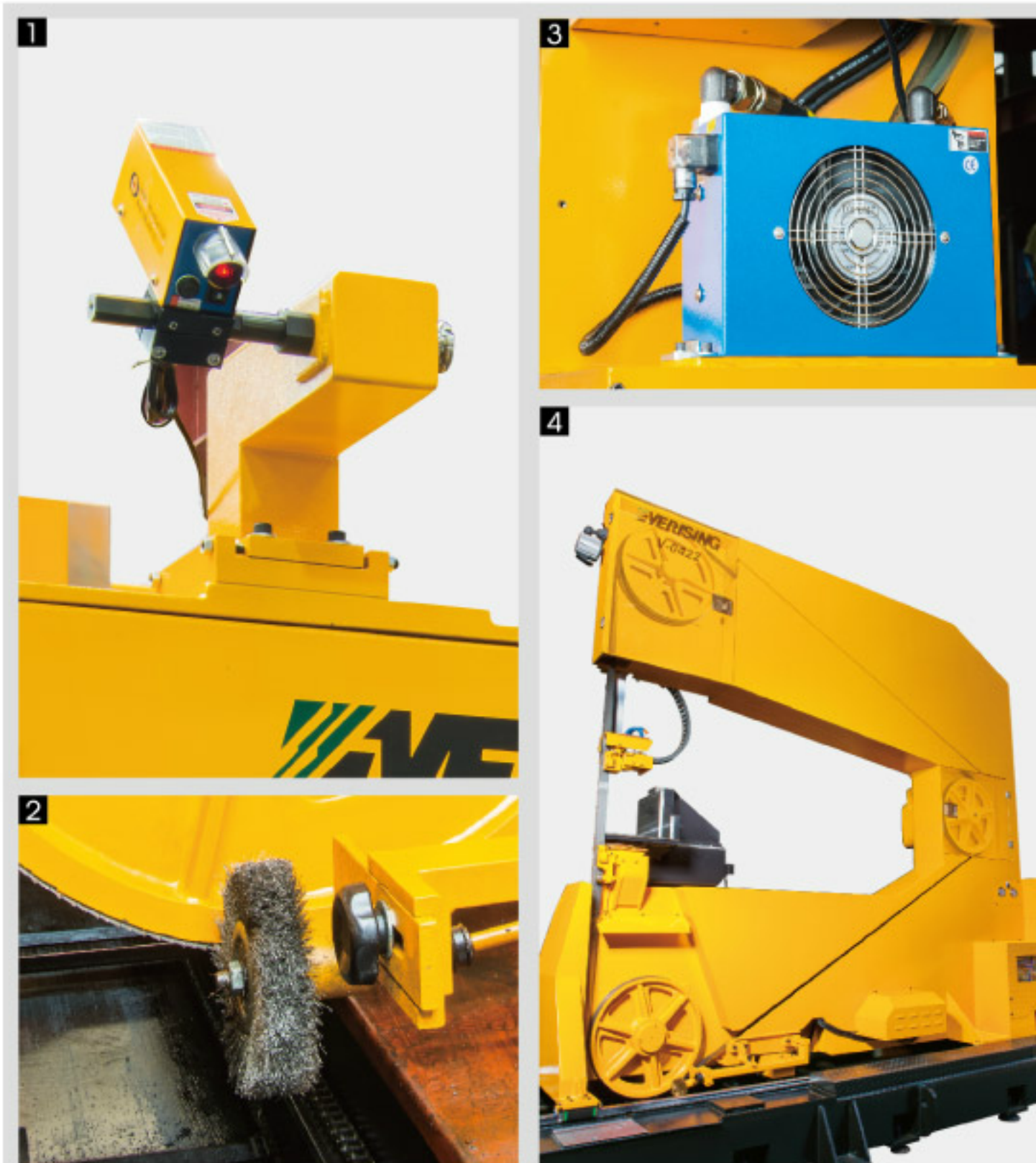
All models in the V series feature blade twist function (carbide steel clamping)



Auto. Chip Conveyor



Roller Table (Optional)



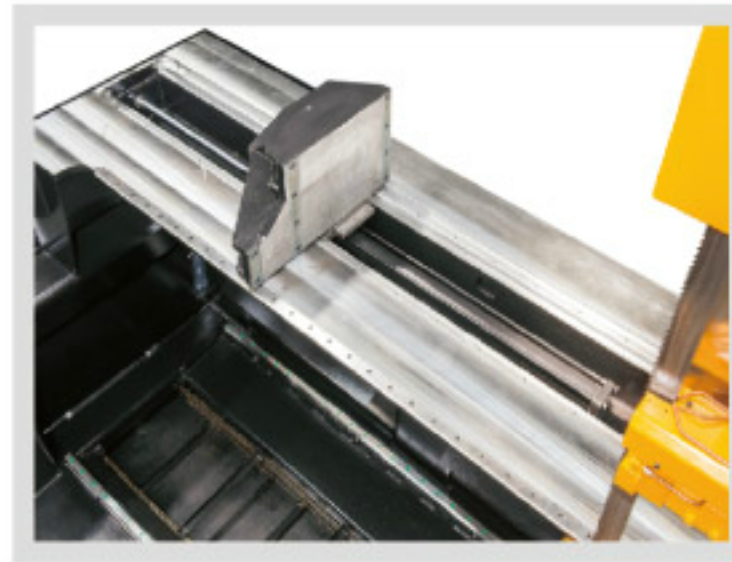
V SERIES

Model		V-0417
CUTTING CAPACITY (H X D)		400 mm x 1700 mm (15.7" x 67") min. clamp width 700 mm (27.5")
BLADE SIZE		9040 x 54 x 1.6 mm (355.9" x 2.1" x 0.06")
BLADE SPEED		15-75 m/min (50 to 250 fpm)
SHUTTLE VISE STROKE		400 mm (15.7") (Optional)
SAW FRAME FEED		Hydraulic / Servomotor (Optional)
SAW FRAME SUTTLE STROKE		1900 mm (74.8")
MOTOR	BLADE DRIVE	7.5 kW (10 HP)
	HYDRAULIC PUMP	2.2 kW (3 HP)
	COOLANT PUMP	0.6 kW (3/4 HP)
	CHIP CONVEYOR	0.4 kW (1/2 HP)
TABLE HEIGHT		1600 mm (63")
FLOOR SPACE (ROLLER TABLE EXCLUDED)		2100 x 7300 x 3600 mm (SA) (82.7" x 287.4" x 141.7") (SA) 3400 x 7300 x 3600 mm (HA) (133.9" x 287.4" x 141.7") (HA)
MACHINE WEIGHT		13500 kgs (29762 lbs) (SA) 16500 kgs (36376 lbs) (HA)

* All specifications, dimensions and design characteristics shown in this catalogue are subject to ch

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

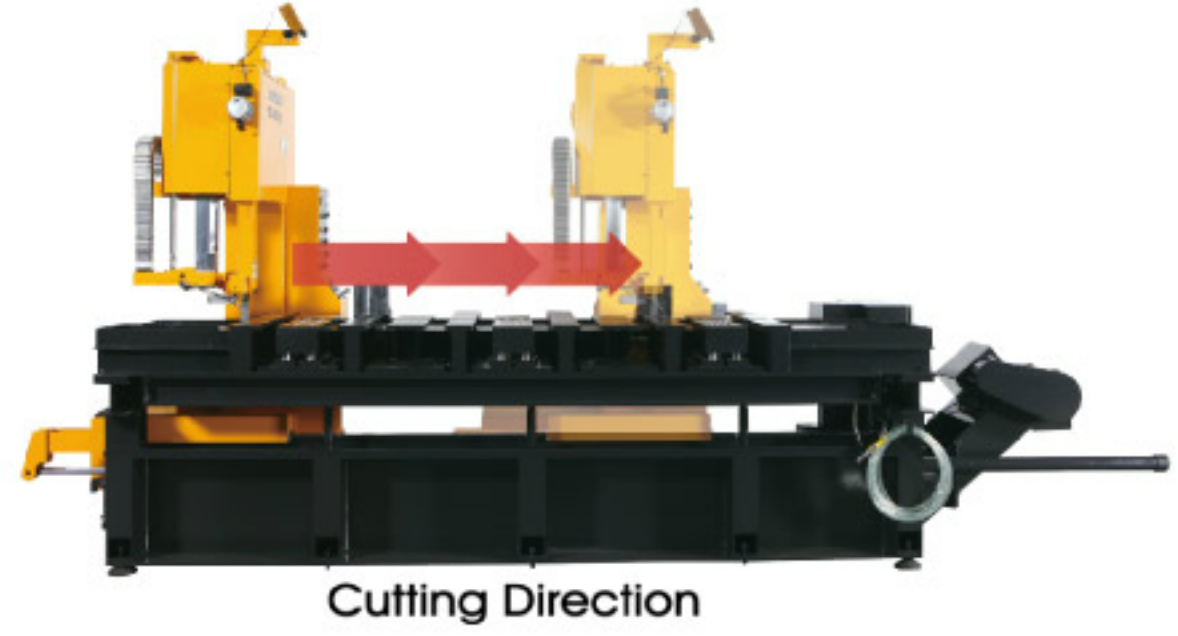
Guide arm is hydraulically operated.



SPECIFICATION

	V-0422	V-0615	V-0625
	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")
	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")
	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)	15-75 m/min (50 to 250 fpm)
	400 mm (15.7") (Optional)	400 mm (15.7") (Optional)	400 mm (15.7") (Optional)
	Hydraulic / Servomotor (Optional)	Hydraulic / Servomotor (Optional)	Hydraulic / Servomotor (Optional)
	2400 mm (94.5")	1700 mm (67")	2700 mm (106.3")
	7.5 kW (10 HP)	5.5 kW (7.5 HP)	5.5 kW (7.5 HP)
	2.2 kW (3 HP)	2.2 kW (3 HP)	2.2 kW (3 HP)
	0.6 kW (3/4 HP)	0.6 kW (3/4 HP)	0.6 kW (3/4 HP)
	0.4 kW (1/2 HP)	0.4 kW (1/2 HP)	0.4 kW (1/2 HP)
	1600 mm (63")	1350 mm (53.1")	1350 mm (53.1")
	2100 x 8150 x 3700 mm (SA) (82.7" x 320.9" x 145.7") (SA) 3400 x 8150 x 3700 mm (HA) (133.9" x 320.9" x 145.7") (HA)	2100 x 6400 x 3200 mm (SA) (82.7" x 252" x 126") (SA) 3400 x 6400 x 3200 mm (HA) (133.9" x 252" x 126") (HA)	2100 x 8400 x 3200 mm (SA) (82.7" x 330.7" x 126") (SA) 3400 x 8400 x 3200 mm (HA) (133.9" x 330.7" x 126") (HA)
	15000 kgs (33069 lbs) (SA) 18500 kgs (40785 lbs) (HA)	12500 kgs (27558 lbs) (SA) 16500 kgs (36376 lbs) (HA)	13000 kgs (28660 lbs) (SA) 16600 kgs (36597 lbs) (HA)

V B SERIES



Applicable for Trimming and Small and Medium Plates

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

FRATRES

■ No Blade Twist

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

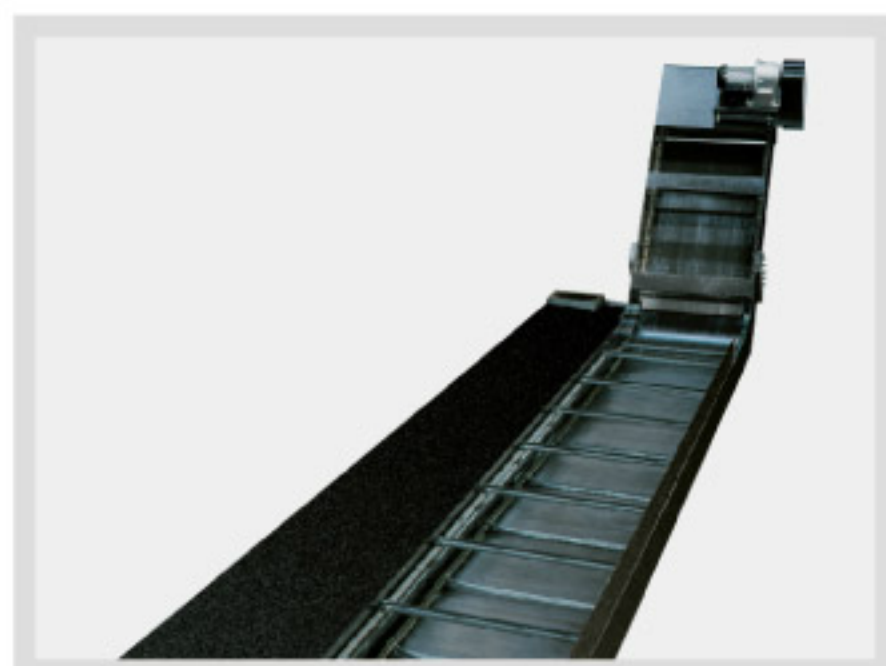
■ F Clamping Device

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

Hydraulically Controlled Guide Arm Movement and Carbide Blade Guide



Hydraulic Actuated Roller Lifting Makes Material Infeed Easy (Optional)



Auto. Chip Conveyor





Hydraulic Blade Tension



Out of Square Detector (Optional)

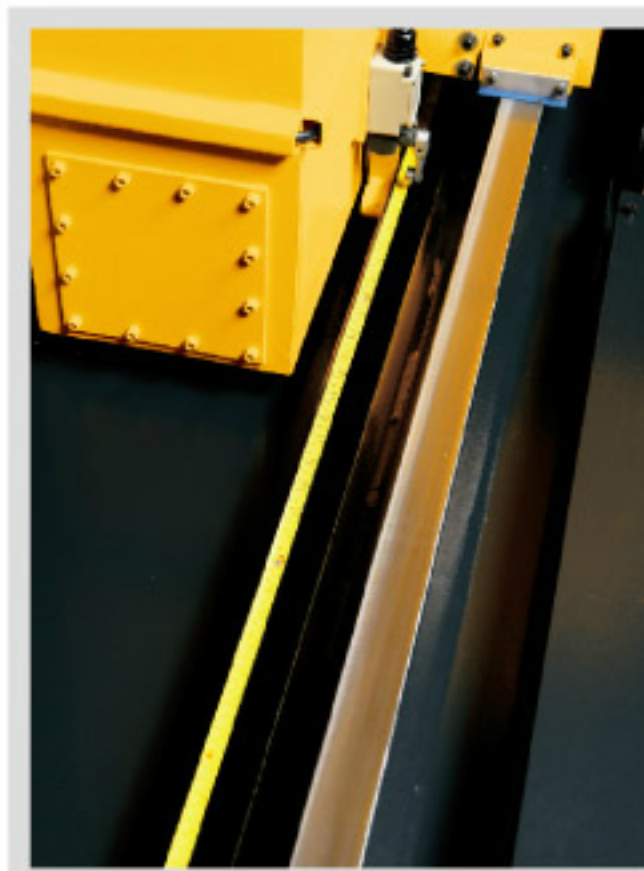


Control Cabinet



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	550 mm (21.7")	700 mm (27.6")
	INNER TABLE	500 mm (19.7")	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)	5.5 kW (7.5 HP)
	HYDRAULIC PUMP	1.5 kW (2 HP)	1.5 kW (2 HP)
	COOLANT PUMP	0.2 kW (1/4 HP)	0.7 kW (1 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) 5700L x 2100W mm (224.4" x 82.7")(2.5M)	6400L x 2550W mm (252" x 100.4")(1.5M) 7000L x 2550W mm (275.6" x 100.4")(2.5M)
MACHINE WEIGHT		6000 kgs (13227 lbs)(1.5M) 8000 kgs (17637 lbs)(2.5M)	9000 kgs (19842 lbs)(1.5M) 11500 kgs (25353 lbs)(2.5M)

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VBS SERIES



Cutting Direction

Designed for Cutting Extra Large Plates

Applicable for Cutting

- Extra Large Plates
- Thicker Materials
- Longer Materials

Guide Arm

FEATURES

1 No Blade Twist

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

2 Two Sets of Hydraulic Power Units

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



3 Cutting Length

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



Hydraulic Lifting / Feeding Table (Optional)

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

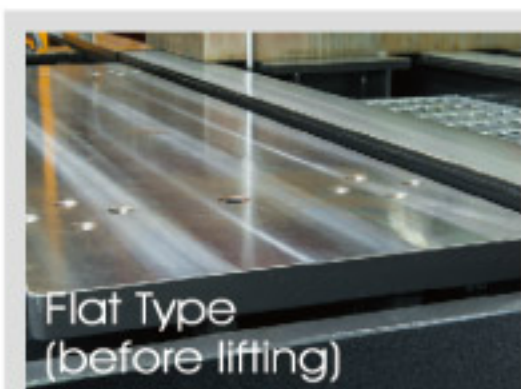


Roller Type:

- 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.



Flat Type
(before lifting)



Flat type
(after lifting)

VBS SERIES

Model		VBS0407
CUTTING HEIGHT		400 mm (15.7")
CUTTING DEPTH		700 mm (27.6")
CUTTING LENGTH		3 / 4.5 / 6M
TABLE SUPPORT WIDTH	OUTER TABLE	1600 mm (63")
	INNER TABLE	700 mm (27.6")
BLADE SIZE		6200 x 54 x 1.6 mm (244.1" x 2.1" x 0.063")
BLADE SPEED		15-75 m/min (50 to 250 fpm)
CUTTING FEED		Servomotor (2-500 mm/min)
MOTOR	BLADE DRIVE	5.5 kW (7.5 HP)
	HYDRAULIC PUMP	1.5 kW (2HP) x 2
	COOLANT PUMP	0.75 kW (1 HP)
CUTTING FEED SERVO MOTOR		1 kW
TABLE HEIGHT		1500 mm (59.1")
MACHINE HEIGHT		3400 mm (133.9")
FLOOR SPACE		10100L x 4100W mm (397.6" x 161.4")(6M)
MACHINE WEIGHT		14500 kgs (31967 lbs)(6M)

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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



VBS0710-60

VBS1013-60

SPECIFICATION

VBS0707	VBS0710	VBS1013	VBS1316	VBS2016
700 mm (27.6")	700 mm (27.6")	1000 mm (39.4")	1300 mm (51.2")	2000 mm (78.7")
700 mm (27.6")	1000 mm (39.4")	1300 mm (51.2")	1600 mm (63")	1600 mm (63")
3 / 4.5 / 6M	3 / 4.5 / 6M	3 / 4.5 / 6M	3 / 4.5 / 6M	3 / 4.5 / 6M
1600 mm (63")	1600 mm (63")	1600 mm (63")	2000 mm (78.7")	2000 mm (78.7")
700 mm (27.6")	1000 mm (39.4")	1300 mm (51.2")	1600 mm (63")	1600 mm (63")
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")
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)
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)
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)
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
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)
1 kW	1 kW	1.5 kW	2 kW	2 kW
1500 mm (59.1")	1400 mm (55.1")	1500 mm (59.1")	1750 mm (68.9")	2100 mm (82.7")
3700 mm (145.7")	3700 mm (145.7")	4600 mm (181.1")	5400 mm (212.6")	7650 mm (301.2")
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)
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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