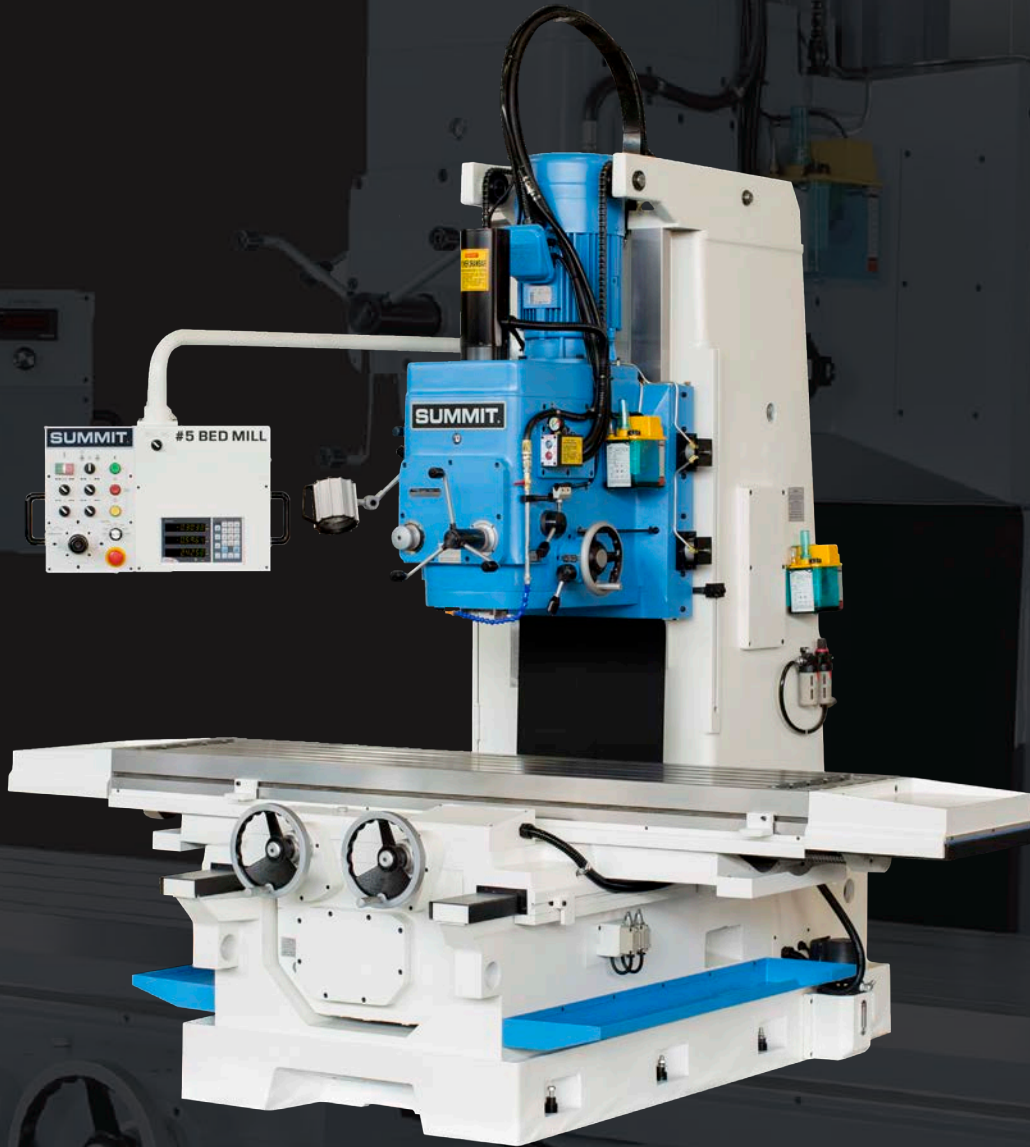


SUMMIT

MACHINE TOOL LLC



VERTICAL BED MILLS

#3, #4, #5 AND #8 MODELS

Summit® Vertical Bed Mills

offer high production accuracy due to their heavy construction and innovative design. The large choice of speeds and feeds makes these Vertical Bed Mills the ideal choice for job shops, production shops, repair and tool & die shops. The alloy steel main spindle is thermally treated and precision ground, then fixed on high accuracy bearings and the saddle assembly travels on precision ground slides which ensure rigidity for large capacity table loads. This machine also has an automatic lube system which ensures consistent lubrication of the speed and feed boxes. Changing of feeds and speeds is easy and efficient, combined with centralized operator controls, these machines are designed for virtually uninterrupted operation.



SUMMIT #3VL



SUMMIT #8VL

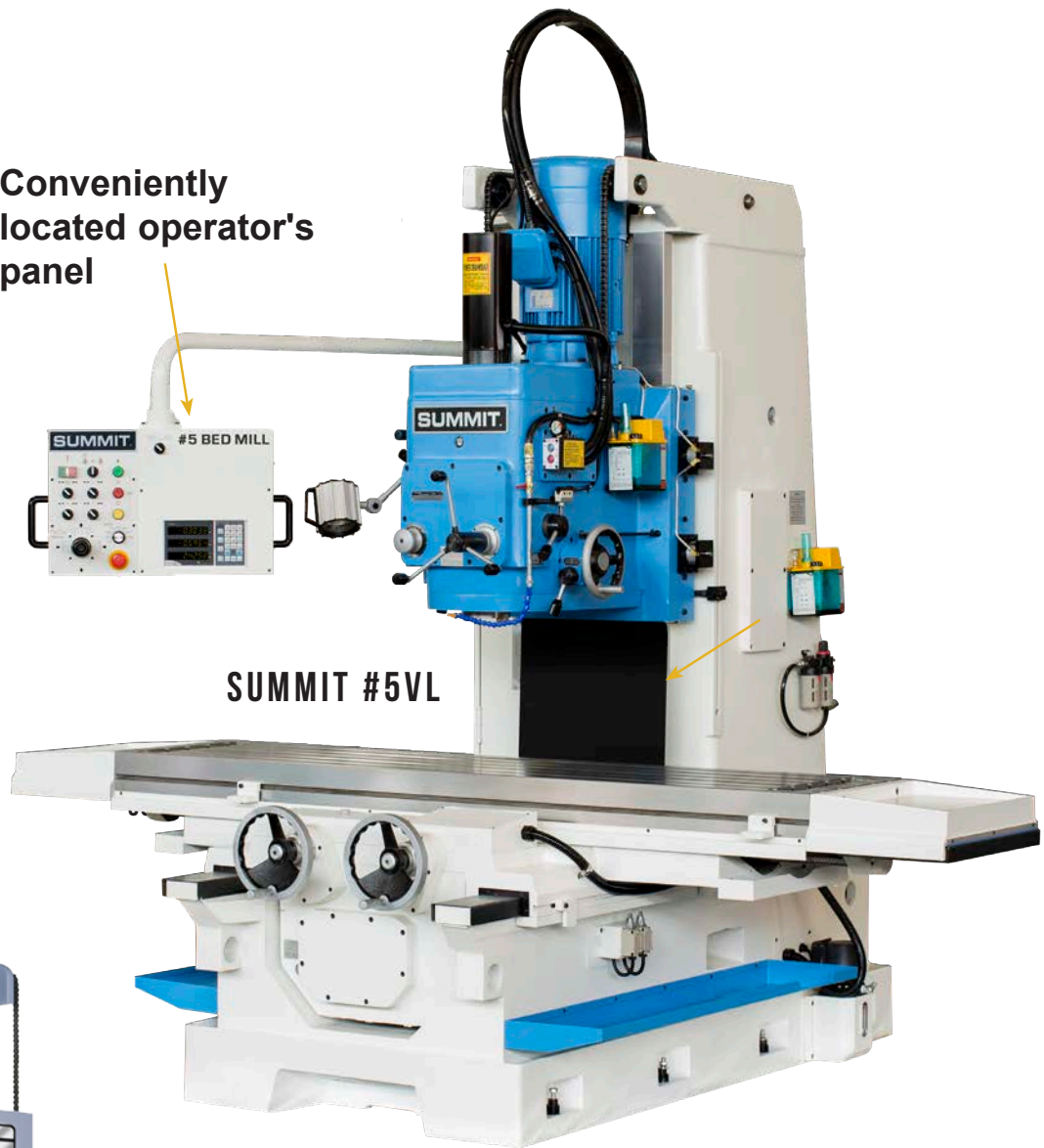


**SUMMIT #5VHL W/
OPTIONAL HORIZONTAL HEAD**

Conveniently
located operator's
panel



SUMMIT #5VL



INCLUDED ACCESSORIES

- **3 Axis Digital Readout**
- **Air Power Drawbar**
- **Coolant**
- **Work Light**
- **Spanners & Wrenches**
- **Levelling Bolts**

STANDARD FEATURES

- **Automatic Lubrication**
- **Conveniently Located Operator's Panel**
- **Rapid Traverse**
- **Ball Screws on X & Y Axis**

FEATURES AND BENEFITS

VERTICAL BED MILLS



SPECIFICATIONS	#3VL	#4VL	#5 VL/#5 VHL	#8 VL/#8VHL		
TABLE						
Working Surface	15" x 67"	17.7" x 74.8"	19" x 86.6"	29.5" x 106.3"		
Table Top to Floor	31.5"	33.5"	33.9"	35.4"		
Number of T-Slots	5		5	5		
Number of Feeds	Infinitely Variable	Infinitely Variable	Infinitely Variable	Infinitely Variable		
Maximum Table Load	1,760 lbs	2,200 lbs.	2,640 lbs.	4,400 lbs.		
TRAVERSE						
Longitudinal Travel (X)	39.4"	47.35"	59"	78.75"		
Cross Travel (Y)	15"	17.7"	23.6"	31.5"		
Vertical Head Travel (Z)	19.6"	21.6"	27.5"	27.5"		
VERTICAL SPINDLE HEAD						
Spindle Speeds (no.) range	(12) 45 - 1500 RPM	(12) 45 - 1500 RPM	(12) 45 - 1500 RPM	(var.) 45 - 1500 RPM		
Spindle Feeds (no.) range	(Inf. Var.) .002 - .008 IPR	(Inf. Var.) .002 - .008 IPR	(Inf. Var.) .002 - .008 IPR	(Inf. Var.) .118 - 11.8 IPM		
Spindle Nose to Table Top	3.9" - 23.6"	3.9" - 23.6"	3.9" - 31.5"	2.75" - 30"		
Spindle Center to Column	14.91"	17.7"	21.6"	31.75"		
Spindle Taper	#50	#50	#50	#50		
HORIZONTAL SPINDLE HEAD						
Taper	N/A	N/A	N/A	#50	N/A	#50
Spindle Speeds (no.) range	N/A	N/A	N/A	(12) 45-1450	N/A	(var) 45-1450
Vertical Travel (W)	N/A	N/A	N/A	25.6"	N/A	25.6"
Rapid Traverse	N/A	N/A	N/A	150 IPM	N/A	150 IPM
FEEDS RANGE						
Longitudinal	1.1 - 34.4" IPM	1.1 - 34.4" IPM	0 - 39.4" IPM	1.1 - 39.4" IPM		
Cross	1.1 - 34.4" IPM	1.1 - 34.4" IPM	0 - 39.4" IPM	1.1 - 39.4" IPM		
Rapid Traverse	113.4 IPM	113.4 IPM	130 IPM	122 IPM		
MOTORS						
Vertical Head	7.5 HP	10 HP	20 HP	20 HP		
Feed Motor	N/A	N/A	5 HP	5 HP		
Horizontal Head	N/A	N/A	N/A	7.5 HP	N/A	7.5 HP
Table Feed	1.7 HP	2 HP				
WEIGHTS, DIMENSIONS, ELECTRICS						
Length x Width x Height	79" x 126" x 95"	87" x 150" x 103"	101" x 175" x 113"	124" x 224" x 115"		
Weight	8,800 lbs	11,400 lbs	15,400 lbs	19,140 lbs	25,960 lbs	28,600 lbs

WARRANTY: A copy of Summit Machine Tool LLC's standard written warranty is attached to each Summit Machine. Call or write to Summit for a copy or for further information concerning Summit's standard warranty. All purchases are subject to Summit's standard written warranty. Specifications are subject to change without notice.

POINT OF OPERATION GUARDING is the responsibility of the end user. For information contact your local OSHA office.

SUMMIT MACHINE TOOL LLC

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FOR MORE INFORMATION CALL 1-800-654-3262

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