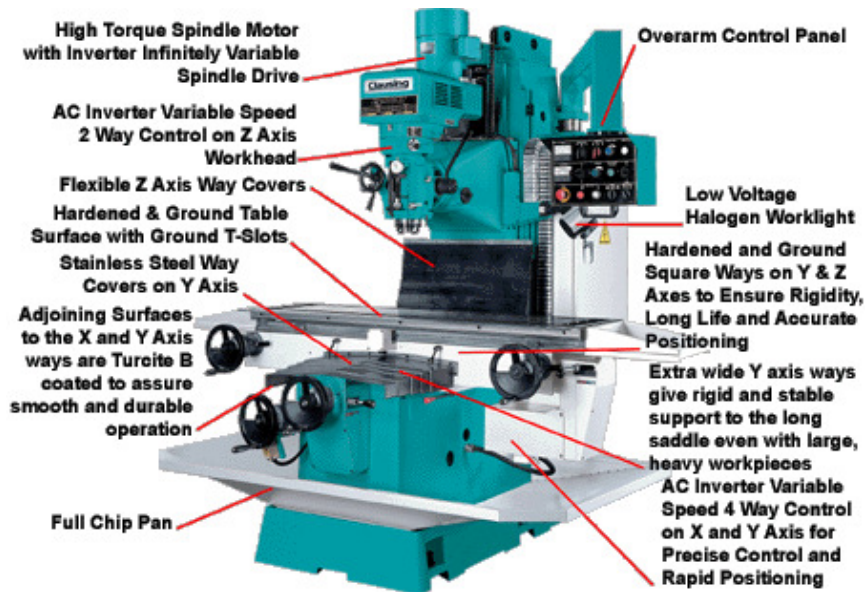


Clausing **SUPER BED MILLS**



Precision, Heavy-Duty Bed Mills with all the Extras

[Features](#)

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Features:

- Powerful 5 Hp spindle motor SUP4BVS & SUP6BVS and 7.5 Hp spindle motor SUP8BVS
- Inverter variable speed drive with 2 speed ranges
- Hardened and ground spindle with NT40 taper
- Hardened and chromed quill with 5" travel
- CP4 ABEC7 angular contact spindle bearings
- C7 double nut X/Y/Z axes 1.26" diameter precision ballscrew
- Hardened and ground table surface
- Ground T-slots to provide accurate reference edge
- Hardened and ground, square X/Y ways
- Turcite B coating on saddle X/Y axes ways
- Meehanite castings for superior rigidity and wear resistance
- Telescopic Z axis ballscrew cover
- Z axis accordion way covers
- Rubber rear Y/Z axes way covers
- Stainless steel front Y axis way cover
- Coolant system with pump
- Long arm halogen work light
- Transformer
- Automatic lubrication system with alarm
- Tools, toolbox and parts

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Optional Equipment:

- CE/EMC equipment package
- Coolant and oil skimmer
- Air power draw bar
- Heavy-duty back guard
- Table guard
- Table guard with interlock door
- Quill guard with cut-out switch and CSA on/off only

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Specifications:

Specifications	SUP4BVS40	SUP6BVS40	SUP8BVS40
Table Size	10" x 54"	15" x 60"	16.75" x 62"
Table Load Capacity	1,500 lbs.	1,800 lbs	2,000 lbs
Number of T-Slots	3	3	4
T-Slot Width	.63"	.709"	.709"
T-Slot Center Distance	2.48"	3.15"	3.15"
Table Ways (X Axis) Turcite B coated	Dovetail	Dovetail	Dovetail
Bed Ways (Y Axis) Turcite B coated	Square	Square	Square
Column Ways (Z Axis)	Square	Square	Square
TRAVELS			
Longitudinal (X Axis)	30.51"	41.34"	47.24"
Cross (Y Axis)	17.52"	19.69"	22.83"
Vertical (Z Axis)	19.69"	23.62"	23.62"
Quill Diameter	4.13"	4.13"	4.33"
Quill Travel	5"	5"	6"
Head Tilt (left or right)	90°	90°	90°
Feedrate X & Y Axes	.71-31 (in/min)	1.1-43.3 (in/min)	1.1-43.3 (in/min)
Feedrate Z Axis	.71-31 (in/min)	.71-31 (in/min)	.71-31 (in/min)
X & Y Axes AC Motor with Brake	1/2 Hp	1 Hp	1 Hp
Z Axis AC Motor with Brake	1/2 Hp	1/2 Hp	1/2 Hp
SPINDLE			
Motor	5 Hp (Inverter V.S.)	5 Hp (Inverter V.S.)	7.5 Hp (Inverter V.S.)
Spindle Speeds (Infinitely Variable)	65-5160 rpm	65-5160 rpm	70-4300 rpm
No. of Speed Ranges	2	2	2
Low Gear Range	65-590 rpm	65-590 rpm	70-500 rpm
High Gear Range	575-5160 rpm	575-5160 rpm	570-4300 rpm
Spindle Taper	NT 40	NT 40	NT 40
Quill feed in/revolution	.0016/.003/.006	.0016/.003/.006	.0016/.003/.006
CONSTRUCTION			
Height	78.74"	85.43"	84.65"
Working Width	71.46"	92.91"	98.03"
Working Depth	66.14"	76.77"	80.71"
Width Across Column Ways	11.73"	11.73"	11.73"
Length of Saddle on Bed	25.98"	25.98"	25.98"
Width Across Bed Ways	16.53"	20.47"	22.83"
Spindle Nose to Table	3.15"-22.83"	3.93"-27.55"	3.93"-27.55"
Center of Spindle to Column ways	17.32"	20.47"	23.62"
Floor to Table Surface	36.2"	37"	34.3"
Table to Column Ways (min/max.)	3.15"/20.87"	2.05"/21.73"	.79"/23.62"
Ball Screw Dia./Pitch	1.26"/.2"	1.26"/.2"	1.26"/.2"
Ball Screw Class	C7	C7	C7
Gross Weight (approximately)	4,400 lbs	6,600 lbs	7,260 lbs

Machine Control, Design and Specification are subject to change without notice

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