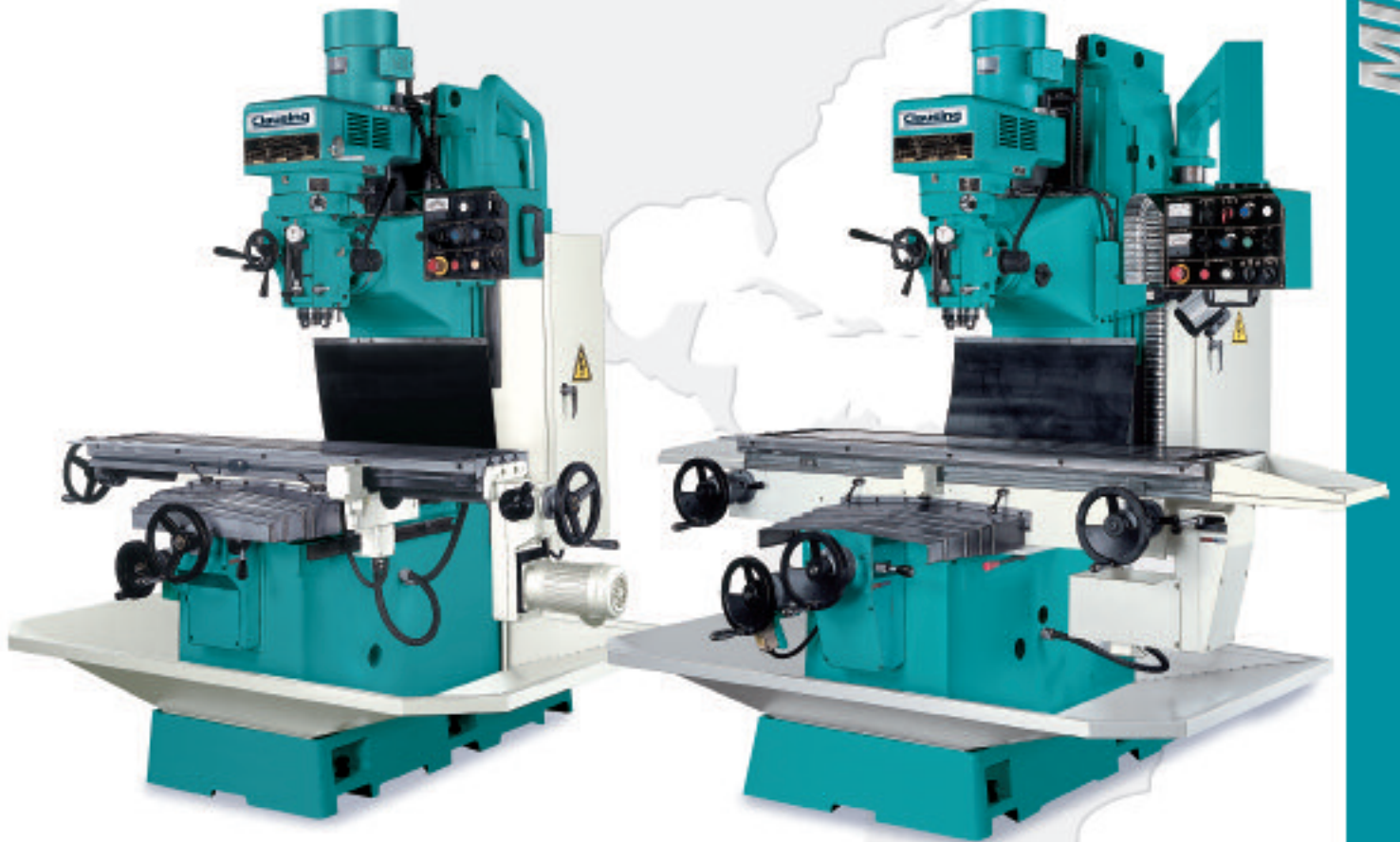


Clausing **Standard Bed Mill**

600 Group

Affordable, Extra Heavy-Duty, Large Capacity, Durable Bed Mills and Super Bed Mills with Real Cutting Power



- Up To 16.75" x 62" Table Size
- Up To 2,000 lbs Table Load Capacity
- UP To 7.5 Hp with Inverter Speed Drive on Super Models

Clausing **BED MILLS**

Affordable, Heavy-duty Precision Bed Mills

5 Hp Spindle Motor with
Mechanical Infinitely
Variable Speed Drive

AC Inverter Variable Speed
2 Way Control on Z Axis
Workhead

Overarm Control
Panel

Z Axis Way Covers

Hardened and Ground
Square Ways on Y & Z Axes
to Ensure Rigidity, Long Life
and Accurate Positioning.

Hardened & Ground
Table Surface with
Ground T-Slots

Stainless Steel Way
Covers on Y Axis

AC Inverter Variable
Speed 4 Way Control
on X and Y Axis for
Precise Control and
Rapid Positioning

Adjoining surfaces to the X
and Y axis ways are Turcite
B coated to assure smooth
and durable operation

Full Chip Pan

Features & Options

- Powerful 5 Hp spindle drive motor
- Mechanical 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 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

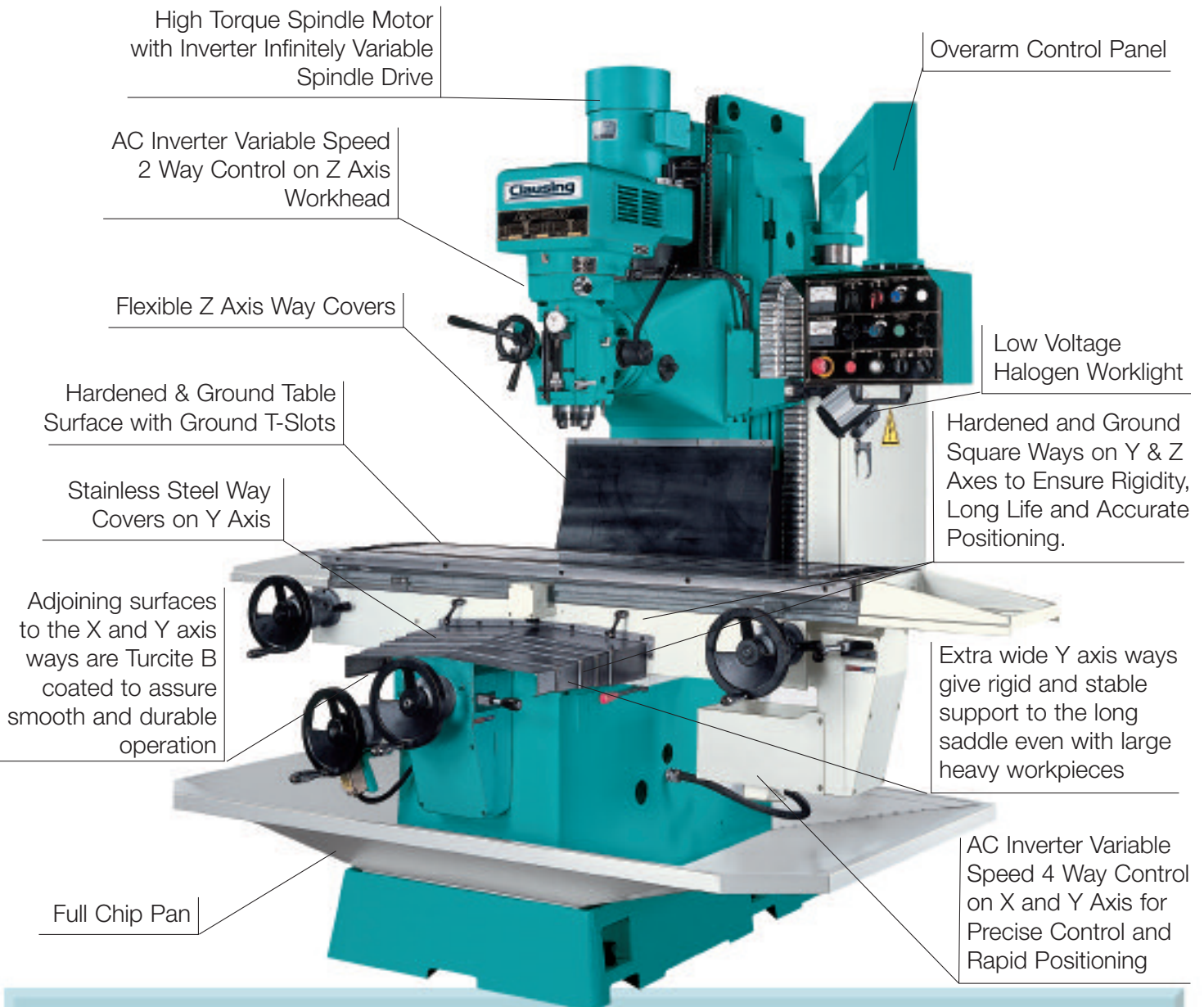
- Stainless steel front Y axis way cover
- Rubber Z axis and rear Y/Z axes way covers
- Automatic lubrication with alarm with alarm
- Transformer • Long arm halogen work light
- Coolant system with pump • Tools, toolbox and parts

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
- Z axis concertina way covers
- Quill guard with cut-out switch and CSA on/off only

Clausing SUPER BED MILLS

Precision, Heavy-Duty Bed Mills with all the Extras



Features & Options

- 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

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

Specifications	4BVS40	SUP4BVS40	6BVS40	SUP6BVS40	SUP8BVS40
Table Size	10" x 54" (254x1371mm)	10" x 54" (254x1371mm)	15" x 60" (380x1524mm)	15" x 60" (380x1524mm)	16.75" x 62" (425x1575mm)
Table Load Capacity	1,500 lbs. (680kg)	1,500 lbs. (680kg)	1,800 lbs. (817kg)	1,800 lbs (817kg)	2,000 lbs (907kg)
Number of T-Slots	3	3	3	3	4
T-Slot Width	.63" (16mm)	.63" (16mm)	.709" (18mm)	.709" (18mm)	.709" (18mm)
T-Slot Center Distance	2.48" (63mm)	2.48" (63mm)	3.15" (80mm)	3.15" (80mm)	3.15" (80mm)
Table Ways (X Axis) Turcite B coated	Dovetail	Dovetail	Dovetail	Dovetail	Dovetail
Bed Ways (Y Axis) Turcite B coated	Square	Square	Square	Square	Square
Column Ways (Z Axis)	Square	Square	Square	Square	Square
TRAVELS					
Longitudinal (X Axis)	30.51" (775mm)	30.51" (775mm)	41.34" (1050mm)	41.34" (1050mm)	47.24" (1200mm)
Cross (Y Axis)	17.52" (445mm)	17.52" (445mm)	19.69" (500mm)	19.69" (500mm)	22.83" (580mm)
Vertical (Z Axis)	19.69" (500mm)	19.69" (500mm)	23.62" (600mm)	23.62" (600mm)	23.62" (600mm)
Quill Diameter	4.13" (105mm)	4.13" (105mm)	4.13" (105mm)	4.13" (105mm)	4.33" (105mm)
Quill Travel	5" (127mm)	5" (127mm)	5" (127mm)	5" (127mm)	6" (127mm)
Head Tilt (left or right)	90°	90°	90°	90°	90°
Feedrate X & Y Axes	.71-31 (in/min) (18-788mm/min)	.71-31 (in/min) (18-788mm/min)	1.1-43.3 (in/min) (28-1100mm/min)	1.1-43.3 (in/min) (28-1100mm/min)	1.1-43.3 (in/min) (28-1100mm/min)
Feedrate Z Axis	.71-31 (in/min) (18-788mm/min)	.71-31 (in/min) (18-788mm/min)	.71-31 (in/min) (18-788mm/min)	.71-31 (in/min) (18-788mm/min)	.71-31 (in/min) (18-788mm/min)
X & Y Axes AC Motor with Brake	1/2 Hp	1/2 Hp	1 Hp	1 Hp	1 Hp
Z Axis AC Motor with Brake	1/2 Hp	1/2 Hp	1/2 Hp	1/2 Hp	1/2 Hp
SPINDLE					
Motor	5 Hp (mechanical V.S.)	5 Hp (Inverter V.S.)	5 Hp (mechanical V.S.)	5 Hp (Inverter V.S.)	7.5 Hp (Inverter V.S.)
Spindle Speeds (Infinitely Variable)	70-4300 rpm	65-5160 rpm	70-4300 rpm	65-5160 rpm	70-4300 rpm
No. of Speed Ranges	2	2	2	2	2
Low Gear Range	70-500 rpm	65-590 rpm	70-500 rpm	65-590 rpm	70-500 rpm
High Gear Range	570-4300 rpm	575-5160 rpm	570-4300 rpm	575-5160 rpm	570-4300 rpm
Spindle Taper	NT 40	NT 40	NT 40	NT 40	NT 40
Quill feed in/revolution mm/revolution	.0016/.003/.006 (0.04/0.08/0.015)	.0016/.003/.006 (0.04/0.08/0.015)	.0016/.003/.006 (0.04/0.08/0.015)	.0016/.003/.006 (0.04/0.08/0.015)	.0016/.003/.006 (0.04/0.08/0.015)
CONSTRUCTION					
Height	78.74" (2000mm)	78.74" (2000mm)	85.43" (2170mm)	85.43" (2170mm)	84.65" (2150mm)
Working Width	71.46" (1815mm)	71.46" (1815mm)	92.91" (2360mm)	92.91" (2360mm)	98.03" (2490mm)
Working Depth	66.14" (1680mm)	66.14" (1680mm)	76.77" (1950mm)	76.77" (1950mm)	80.71" (2050mm)
Width Across Column Ways	11.73" (298mm)	11.73" (298mm)	11.73" (298mm)	11.73" (298mm)	11.73" (298mm)
Length of Saddle on Bed	25.98" (600mm)	25.98" (600mm)	47.24" (1200mm)	47.24" (1200mm)	53.15" (1350mm)
Width Across Bed Ways	16.53" (420mm)	16.53" (420mm)	20.47" (520mm)	20.47" (520mm)	22.83" (580mm)
Spindle Nose to Table	3.15"-22.83" (80-580mm)	3.15"-22.83" (80-580mm)	3.93"-27.55" (100-700mm)	3.93"-27.55" (100-700mm)	3.93"-27.55" (100-700mm)
Center of Spindle to Column ways	17.32" (440mm)	17.32" (440mm)	20.47" (520mm)	20.47" (520mm)	23.62" (600mm)
Floor to Table Surface	36.2" (920mm)	36.2" (920mm)	37" (940mm)	37" (940mm)	34.3" (871mm)
Table to Column Ways	3.15"-20.87" (80-530mm)	3.15"-20.87" (80-530mm)	2.05"-21.73" (52-552mm)	2.05"-21.73" (52-552mm)	.79"-23.62" (20-600mm)
Ball Screw Dia./Pitch	1.26"/.2" (32/5mm)	1.26"/.2" (32/5mm)	1.26"/.2" (32/5mm)	1.26"/.2" (32/5mm)	1.26"/.2" (32/5mm)
Ball Screw Class	C7	C7	C7	C7	C7
Gross Weight (approximately)	4,400 lbs (2000kg)	4,400 lbs (2000kg)	6,600 lbs (3000kg)	6,600 lbs (3000kg)	7,260 lbs (3300kg)

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

Distributed By



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