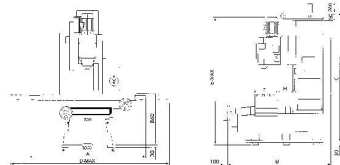


特性 FEATURES

- X,Y,Z軸採用精密滾珠螺桿螺帽，剛性好，壽命長。
- X,Y,Z軸DC伺服馬達，無段自動進給，且有快速進給功能，於低速進給穩定，扭力大，快速進給比變頻效率多三倍，工作效率大增。並可加裝MPG電子手輪(選配)。
- 自動潤滑系統可設定時，強潤滑各滑道，油量不足有警示燈。
- VF機型主軸頭為三段變速，配合變頻器主軸，主軸速度分配適當可重切削及高轉速加工。
- VF/G型機頭為齒輪頭更適合重切削。
- 可特選H型強力臥式切削機構，齒輪頭設計上下進給配合DC伺服馬達，並附有外掛式手輪，操作靈活。

- Double nut-precision ball screw for X, Y and Z-axis. It keeps high precision and durability life of machine.
- X,Y,Z axis employ DC servo motors, providing variable feed speed change. Rapid feed rate provides 2-3 times higher efficiency than frequency inverter controlled motor. Greater torque output at low speed running. Can be fitted with optional MPG hand wheel (opt.)
- The automatic lubrication system with adjustable the timing and flow to provide the excellent lubricating oil onto all the sliding ways. When lubricant reaches control-limited, it is ringing and to remind you to fill oil.
- The VF type head provides 3-steps speed change combined with inverter controlled spindle. The spindle speeds are properly arranged, permitting for heavy duty machining and high speed machining.
- Gears milling head of model VF & G, which design provides rigidity heavy duty cutting.
- Available to equip with H type powerful horizontal cutting mechanism. Featuring gear head drive, servo motor drive on vertical feed and handwheel control for added operational convenience.

尺寸圖 DIMENSIONS



EM Series

外觀尺寸 Dimensions	機型 Model	EM-1460	EM-1660	EM-2065
A		2580 mm	2880 mm	3700 mm
B		2200 mm		
C		2300/2400/2500/2600 mm		
D		3875 mm	4475 mm	5700 mm
B型 (type)		2590/2690/2790/2890 mm		
E	VF型 (type)	2750/2850/2950/3050 mm		
	G型 (type)	2555/2655/2755/2855 mm		
F	.410 mm	115-765 mm		
	510 mm	75-725 mm		
	580 mm	— 55-705 mm		

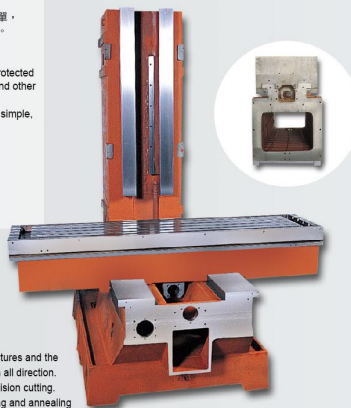


CE ISO 9001



防水防塵安全控制箱，配線簡單，系統完整，故障顯示，易維護。(模組化組合搭配DC伺服馬達)

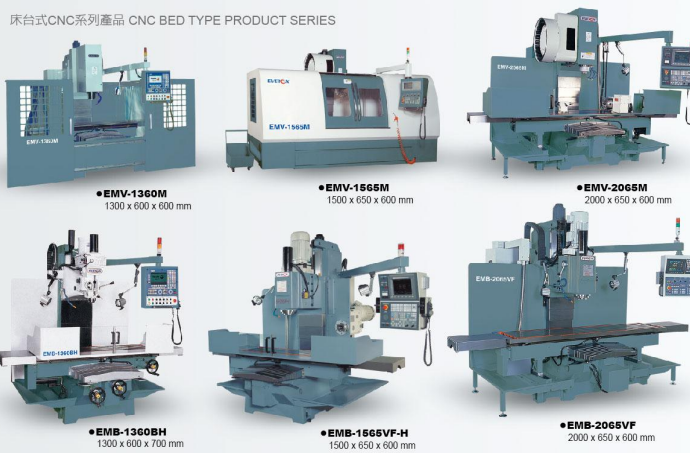
The electric cabinet is sealed protected against eltrance of water, dirt and other contaminants. The wiring is very compact and simple, easy to maintain and operate.



寬大的底座，立柱內部採箱形肋骨，重型床式結構，且Y,Z軸為內插精式，確保床前、後、左、右，動作平穩，耐重切削精密加工。請仔細FC30米漢銑材質，並經淬火調質處理，無變形之慮，軌道經熱處理加工研磨，X,Y軸並貼耐片，提高耐磨壽命及精度。

The bed and column are designed as box type with rigid structures and the saddle are designed with wide type for accuracy movement in all direction. Y & Z axis with inside taper gibs for ensure heavy duty & precision cutting. All the main components are made of FC-30 high quality casting and annealing heat treatment. X,Y,Z-axis also coated with Turcite-B to ensure smooth and accuracy movement in long time.

床式CNC系列產品 CNC BED TYPE PRODUCT SERIES



•EMV-1360M
1300 x 600 x 600 mm

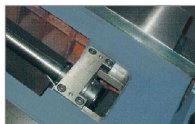
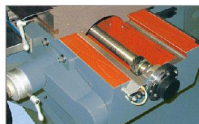
•EMV-1565M
1500 x 650 x 600 mm

•EMV-2065M
2000 x 650 x 600 mm

•EMB-1360BH
1300 x 600 x 700 mm

•EMB-1665VF-H
1500 x 650 x 600 mm

•EMB-2065VF
2000 x 650 x 600 mm



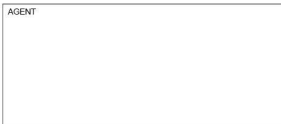
- X,Y,Z軸伸縮蓋可完全保護軌道及滾珠螺桿。
- Z軸下方伸縮蓋。(選配)
- X,Y,Z軸微調把手可立即微調，方便操作，並高精度控制。
- X,Y axis telescopic type full cover avoid chips into the slide ways and ball screws.
- Z axis telescopic cover (opt.)
- X,Y,Z axis micro adjustment handle permits for efficient adjustment without need of handwheel.

- X,Y,Z軸接觸面均黏貼Rulon，具低摩擦及減震等特性，運轉平穩滑順，並確保精度。
- The X,Y,Z axis are coated with Rulon and to provide low friction & vibration which ensures smooth movement & accuracy.

- X,Y,Z軸採用精密雙螺帽壓式滾珠螺桿，均有預拉，確保精度穩定持久，Y,Z採內插箱，以確保前後上下平穩移動。
- The X,Y,Z axis is equipped with precision double nut pretensioned ball screws, achieve consistant accuracy & lasting, as for, the Y,Z axis is adopted inner pin which can be ensured cross & vertical smooth movement.

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EVEROX INDUSTRIAL CO., LTD. 10222098

••• EM Series

Heavy Duty Bed Type Milling Machine

BED TYPE MILLING MACHINE



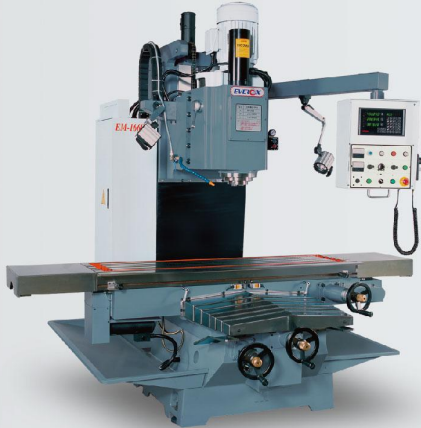
永峻昌工業有限公司
EVEROX INDUSTRIAL CO., LTD.

床台型強力銑床 HEAVY DUTY BED TYPE MILLING MACHINE

EM Series



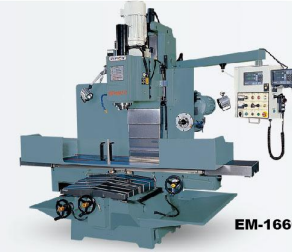
EM-1460B



EM-1660VF



EM-2065G



EM-1660VF-H



EM-1460G-H



EM-2065G-H



EM-1660B-H

規格表 SPECIFICATIONS

項目 ITEM	機型 MODEL	單位 UNIT	EM-1460B	EM-1660B	EM-2065B	EM-1460VF	EM-1660VF	EM-2065VF	EM-1460G	EM-1660G	EM-2065G
行程	TRAVEL										
左右行程	Longitudinal travel-X	mm	1400	1600	2000	1400	1600	2000	1400	1600	2000
前後行程	Cross travel-Y	mm	600	650	650	600	650	650	600	650	650
上下行程	Vertical travel-Z	mm	700 / 800 / 900 / 1000			600 / 700 / 800 / 900			600 / 700 / 800 / 900		
工作台	TABLE										
工作台尺寸	Table size	mm	1702 x 510	1900 x 510	2450 x 580	1702 x 510	1900 x 510	2450 x 580	1702 x 510	1900 x 510	2450 x 580
T型槽	T-slot	mm	4 x 18 x 80			5 x 18 x 95			4 x 18 x 80		
工作台荷重	Table load	kgs	1000			1000			1000		
進給速率	Speed feed	mm/min	10-3000 (X, Y, Z axis)			10-3000 (X, Y, Z axis)			10-3000 (X, Y, Z axis)		
快速進給速率	Rapid feed	mm/min	4800 (X, Y, Z axis)			4800 (X, Y, Z axis)			4800 (X, Y, Z axis)		
主軸	SPINDLE										
主軸斜度	Spindle taper		NT#40 / BT#40			NT#50 / BT#50			NT#50 / BT#50		
主軸管直徑	Quill diameter	mm	φ110			φ128.57			φ128.57		
主軸行程	Quill travel	mm	140			—			—		
主軸轉速	Spindle speed	rpm/min	65-3580 16段(16-step) / 85-3600 變頻Variable (opt.)			60-3000 (變頻三段 3-step frequency inverter controlled)			60-Hz 125-1100 6段(6-step) / 50-Hz 104-1400 6段(6-step)		
主軸每轉進給	Quill feed speed	mm/rev	0.035, 0.07, 0.14			—			—		
主軸頭之旋轉角度左右	Vertical head swivelling angle (R&L)		45°			—			—		
主軸頭至半工作台距離	Spindle nose to table	mm	100-800 / 900 / 1000 / 1100			80-680 / 780 / 880 / 980			120-720 / 820 / 920 / 1020		
主軸中心至滑道面距離	Spindle center to column	mm	650			610			610		
馬達	MOTOR										
主軸馬達	Spindle motor	mm	5HPx2P / 4P / 7.5HPx2P / 4P (opt.)			10HP/4P / 15HP/4P (opt.) / 【變頻控制 with frequency inverter controlled】			10HP / 2P / 4P		
X,Y,Z軸伺服馬達	X,Y,Z axis servo motors	Nm	4.5 Nm			4.5 Nm			4.5 Nm		
冷却泵浦	Coolant pump	HP	1/8 HP			1/8 HP			1/8 HP		
淨重	Net weight	kgs	4500	4700	5700	4800	5000	6000	4800	5000	6000

*本公司所有變更設計之權利，如有更改或改型規格時不另行通知，但不影響前所售之機械品質。 *All specification and designs are subjected to change without notice.

- 標準附件
- X軸左右伸縮鐵金
 - Y軸前後伸縮鐵金
 - Z軸剎車缸
 - 三軸剎車螺絲
 - 三軸DC伺服馬達
 - 可調式自動注油器
 - 冷却系統
 - 銑刀夾頭行程
 - 工具、工具箱

STANDARD ACCESSORIES

- X axis telescopic steel cover
- Y axis telescopic steel cover
- Z axis brake cylinder
- X,Y,Z axis ball screw
- X,Y,Z axis DC servo motor
- Halogen lamp x 2 pcs
- Automatic lubrication system
- Coolant system
- Draw bar
- Tools & tool box

- 特別附件
- 水盤
 - 機身高度調整
 - 工作台護罩
 - Z軸下方伸縮鐵金
 - 氣動拉桿
 - 數字光學尺
 - 外排式手錶
 - Z軸加高100 / 200 / 300 mm
 - H型臥式銑床 NT#50

OPTIONAL ACCESSORIES

- Chip pan
- Rear splash guard
- Semi table guard
- Z axis telescopic steel cover
- Air draw bar
- Digital read out
- Namole MPG
- Increased Z-axis travel by 100/200/300 mm
- Horizontal cutting system NT#50



特殊附件 OPTIONAL EQUIPMENT

H 型強力臥式切削機結構

- 主軸直徑：NT#50
- 主軸轉速：125-1100 RPM (6段變速)
- 主軸行程：17.5HP / 2P / 4P
- 上下行程：500 / 600(Opt.) mm
- 上下DC伺服馬達
- 上下進給速率：10-1000 mm/min
- 臥式銑床中心至主軸頭中心515 mm
- Spindle taper: NT#50
- Spindle speed: 125-1100 RPM (6-step speed)
- Spindle motor: 7.5HP / 2P / 4P
- Vertical travel: 500 / 600(Opt.) mm
- Vertical DC servo motor
- Vertical feed speed: 10-1000 mm/min
- Distance from horizontal head center to spindle head center is 515 mm