

EVEROX

CE ISO9001



CNC Bed Type Milling Machines
床台型電腦銑床

MILLING MACHINE



● ● ●
EMB
EMV Series

永峻昌工業有限公司
EVEROX INDUSTRIAL CO., LTD.



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THE **BEST** FOR YOUR CHOICE!

永峻昌 提供您最好的選擇！

EVEROX INDUSTRIAL CO., LTD. was found in 2000. We specialize in manufacturing different types of solid and reliable Conventional high-speed lathe, CNC lathe, Bed type Milling Machine, CNC Milling Machine, CNC Machining Center, BTA Deep Hole Drilling Machine, Special Machine and other related machine tools. Our strong R & D capabilities apply leading technology to our machines. Conducting various innovative machines to the market worldwide is our pride.

Pursuing perfection and insisting highest quality are always Everox's ultimate goals. Our experienced engineer team builds machine with greatest passion and highest craftsman standard. Every Everox machine has to pass strictest inspection before delivery. Thus, all Everox machines are masterpieces. In Taiwanese machinery industry, Everox equals advance, quality and accuracy.

永峻昌工業有限公司 成立於2000年，全力研發各式高速車床、CNC車床、床台式銑床、CNC銑床、綜合加工中心機、深孔鉗孔加工機及專用機...等工具機產品，秉持著先進的技術理念，提昇生產技術，創造高附加價值、高品質的精密機械，期能提供業界市場的需求。

堅持品質是永峻昌公司一貫的傳統信念，穩重剛強的機械結構，展現重切削的穩定性，嚴格品管、精確的性能測試，有著經驗豐富的技術服務團隊，願在於產品的質量、價格持有的競爭力上，竭誠為您提供優質的至高服務。



床台型電腦銑床 CNC BED TYPE MILLING MACHINES

EMV Series

FEATURES

- Hi-rigidity machine structure designs and the main casting is made of meehanite cast iron which is annealed perfectly to eliminate internal residual stress.
- Y, Z axis square rigid ways and dovetail slidway for saddle (X axis), furthermore, the all slideway be treated heat-treatment & precisely ground & scrapped etc.
- Rugged stand & boxed structure column and integral heavy duty bed type designs and coupled reinforced ribs, advance machining servicing life & accuracy.
- The spindle is made of SCM-21 steel and tempered stress relieved, carburized & precisely ground etc., and then, equipped with P4 level bearings, hi-precision.

特性

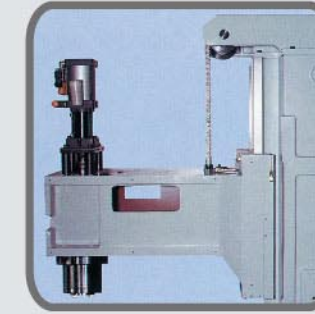
- 高剛性機械結構、各主要鑄件皆採用米漢納鑄鐵鑄造，且經完全退火處理以消除殘留內應力。
- X, Z軸方型硬軌設計，鞍部(X軸)則為鳩尾滑道、所有滑道面均經熱處理及精密研磨、鍍花等處理。
- 強固的底座，立柱採箱型結構，整體重型床式規劃設計，並配置強化肋骨，提升機械壽命及精度。
- 主軸採用SCM21材質並經淬火調質，滲碳，精密研磨及採用P4級軸承、精度高。



The X, Y, Z axis are coated with Rulon and to provide low friction & vibration which ensures smooth movement & accuracy. 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 is equipped with precision double nut pretensioned ball screw, achieve consistant accuracy & lasting, as for the Y, Z axis is adopted inner pin which can be ensured cross & vertical smooth movement. X, Y, Z軸均採用精密雙螺帽預壓式滾珠螺桿，均有預拉，確保精度穩定持久，Y, Z採內插梢，以確保前後上下平穩移動。



The elevating hang chain for Z axis movement good supporting position, which ensured the accuracy of Z axis and coupled with counter balanced block which provide rapid feeding & smooth movement. Z軸上下吊鍊、支撐位置佳，可確保Z軸精度並附配重平衡塊，快速進給，動作平穩滑順。



EMV-750M / 1050M

Semi Splash Safety Guard
半罩式鈹金



Full Splash Safety Guard
全罩式鈹金



EMV-1360M / 1565M
Full Splash Safety Guard
全罩式鈹金



EMV-2065M
Semi Splash Safety Guard
半罩式鈹金



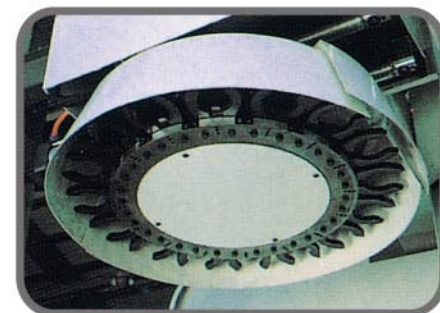
Precision high-speed spindle

- The precision high-speed spindle is equipped P4 level angular contact anti-thrust bearings for heavy-duty cutting.

精密高速主軸

- 精密高速主軸採用P4級斜角滾珠軸承，提供最佳的運向及軸向止推能力，適用重切削作業。

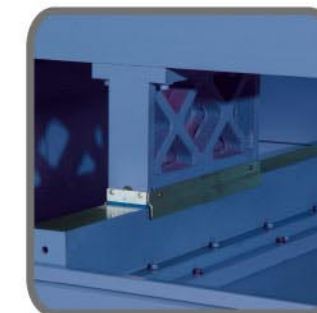
Automatic Tool Change System (Opt.)
斗笠式刀庫 (選配)



Arm Type Magazine 20/24 Tools (Opt.)
刀臂式刀庫20 / 24支刀 (選配)



EMV-1360M / 1565M
Floor Clothed curtain Splash Guard
落地型布簾式鈹金



Slide ways

- Widely supporting slide ways with best loading. Through straight line process making precision better.

副軌

- 寬大的副軌滑道支撐，荷重佳，直線加工精度更佳。

床台型強力電腦銑床

HEAVY DUTY BED TYPE CNC MILLING MACHINES

EMC Series

H TYPE POWER HORIZONTAL CUTTING STRUCTURE (Opt.)

H 型強力臥式切削機構 (選配)



- Spindle taper: NT#50
- Spindle speed: 125-1100 RPM (6-steps speed)
- Vertical travel: 380 / 500 mm (Opt.)
- Spindle motor: 7.5HP / 2P / 4P
- Rapid traverse: 4000 mm/min
- Vertical feed speed: 1~3000 mm/min.
- Distance from horizontal head center to spindle head center is: 515 mm

- 主軸錐度: NT#50
- 主軸轉速: 125-1100 RPM (6段變速)
- 上下行程: 380 / 500 mm (選配)
- 主軸馬達: 7.5HP / 2P / 4P
- 快送進給速度: 4000 mm/min
- 上下進給速度: 1~3000 mm/min.
- 臥銑頭中心至主軸頭中心: 515 mm



X, Y, Z Axis can be installed, combined NC & conventional milling M/C functions in one X / Y / Z 軸能加裝傳統手輪【兼具傳統及NC之銑床功能 (選配)】



EMB-750BL/BH / 1050BL/BH



EMB-1360BH / 1565BH

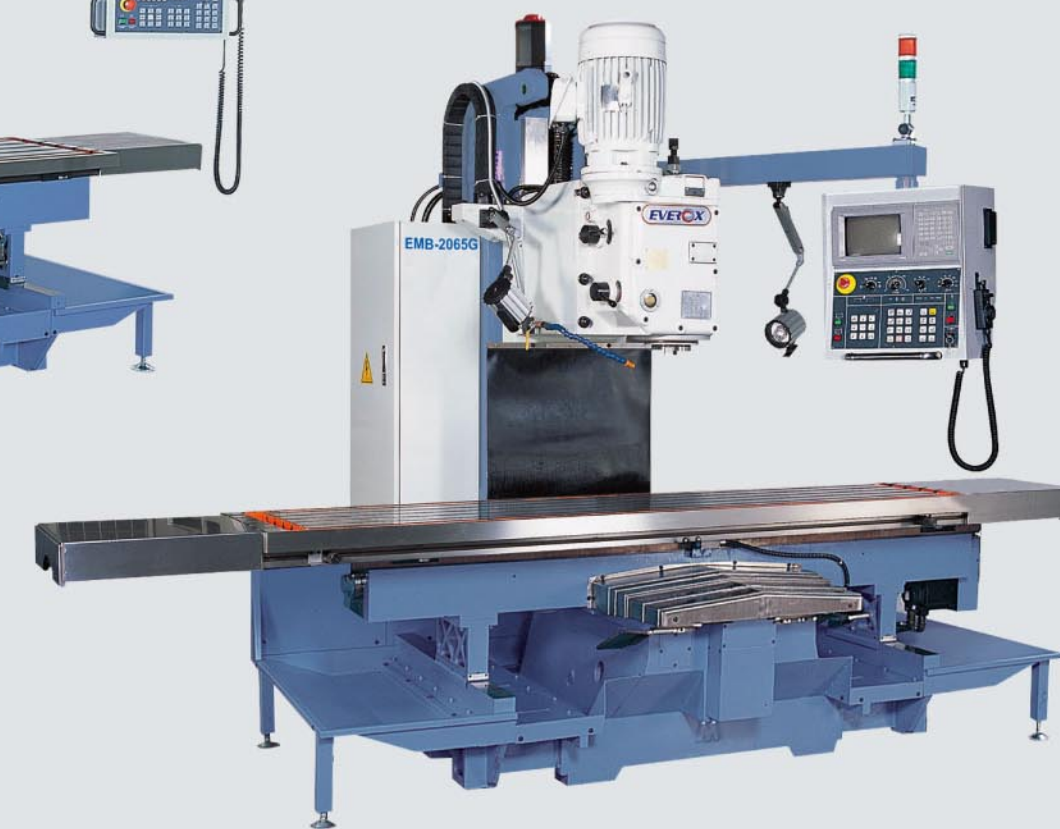


EMB-1360VF-H / 1565VF-H

Vertical / Horizontal Milling Dual Mode Function
★立 / 臥銑雙功能機型



EMB-2065VF



EMB-2065G



BL Type Milling Head

- Spindle taper: NT #40
- Quill diameter: Ø105 mm
- Spindle travel: 125 mm / 150 mm (Opt.)
- Range of spindle speed: 60- 4000 rpm
- Feed: 0.04, 0.08, 0.13 mm / rev
- Spindle swivel: R & L±45°
- Main spindle motor: 5HP / 7.5 HP (Opt.)

BL 型銑頭

- 主軸錐度: NT #40
- 主軸管直徑: Ø105 mm
- 主軸行程: 125 mm / 150 mm (選配)
- 主軸轉速: 60- 4000 rpm
- 主軸每轉進給: 0.04, 0.08, 0.13 mm / rev
- 主軸頭之旋轉角度: 左右±45°
- 主軸馬達: 5HP / 7.5 HP (選配)



BH Type Milling Head

- Spindle taper: NT #40
- Quill diameter: Ø110 mm
- Spindle travel: 140 mm
- Range of spindle speed: 60 - 4000 rpm
- Feed: 0.035, 0.07, 0.14 mm / rev
- Spindle swivel: R & L±45°
- Main spindle motor: 5HP / 7.5 HP (Opt.)

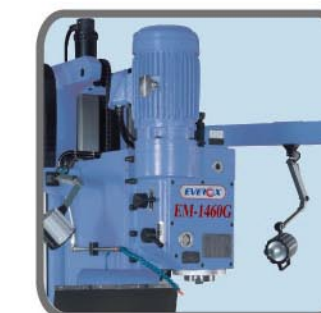
BH 型銑頭

- 主軸錐度: NT #40
- 主軸管直徑: Ø110 mm
- 主軸行程: 140 mm
- 主軸轉速: 60 - 4000 rpm
- 主軸每轉進給: 0.035, 0.07, 0.14 mm / rev
- 主軸頭之旋轉角度: 左右±45°
- 主軸馬達: 5HP / 7.5 HP (選配)



VF Type Milling Head

- Spindle taper: NT #50
 - Gear transmitted manual 3 steps vari-speed: 60-3000 rpm
 - Main spindle motor: 15HP + inverter
- VF 型銑頭
- 主軸錐度: NT #50
 - 齒輪頭3段手動變速: 60-3000 rpm
 - 主軸馬達: 15HP + 變頻器



G Type Milling Head

- Spindle taper: NT #50
 - Gear transmitted manual 6 steps vari-speed: 125-1100 rpm
 - Main spindle motor: 10HP / 2P / 4P
- G 型銑頭
- 主軸錐度: NT #50
 - 齒輪頭6段手動變速: 125-1100 rpm
 - 主軸馬達: 10HP / 2P / 4P

規格表 SPECIFICATIONS

項目 ITEM	機型 MODEL	單位 UNIT	EMV-750M	EMV-1050M	EMV-1360M	EMV-1565M	EMV-2065M
TRAVEL	行程						
Longitudinal - X axis	左右行程	mm	760	1000	1300	1500	2000
Cross - Y axis	前後行程	mm	500		600	650	
Vertical - Z axis	上下行程	mm	520 / 700 (Opt.選配)		600 / 700 , 800 (Opt.選配)		
TABLE	工作台						
Table size	工作台尺寸	mm	1372 x 305	1524 x 406	1702 x 510	1900 x 510	2450 x 580
T-slot	T形槽	mm	16 x #3	16 x #4	18 x #5		
Max. loading capacity	最大負載量	kgs	600	800	1200		2000
SPINDLE	主軸						
Spindle taper	主軸斜度		BT#40 / CAT40				
Spindel speed	主軸轉速	rpm	8000 rpm / 10000 rpm , 12000 rpm (Opt.選配)				
FEED	進給						
Feed rate	進給速率	mm/min.	1-3000		1-5000		
Rapid traverse Rate	快送進給速率	mm/min.	5000		10000		
Ball screw	滾珠螺桿	mm	Ø32 x 5P x C5		Ø40 x 10P x C5		
MOTORS	驅動馬達						
Spindle drive motor	主軸驅動馬達	kW	5.5 / 7.5		7.5 / 11 , 11 / 15 (Opt.選配)		
X,Y,Z-axis servo motor	X、Y、Z軸伺服馬達	kW	1		1.3 / 2 (Opt.選配)		
Coolant pump motor	冷卻泵浦	HP	1 / 8		1 / 4		
ACT	儲刀倉						
Tool selection	刀具選擇		Bi-directional shortest route / 雙向、最短路徑				
Max, tool diameter * length (adjacent tool)	最大直徑x長度 (相鄰刀)	mm	80 x 250				
Max, tool weight	刀具最大重量	kgs	7				
Tool shank	刀具刀柄規格		BT #40 - CAT40				
ATC - armless	自動換刀系統-斗笠式		No. 16 / 20		No. 20 / 24		
ATC - arm type	自動換刀系統-刀臂式		No. 20		No. 24		
Semi splash safety guard	半罩式鍍金		Yes (Opt.) / 是 (選配)		Yes (Opt.) / 是 (選配)		Yes / 是
Full splash guard	全罩式鍍金		Yes / 是		Yes / 是		No / 否
Floor clothed curtain splash guard	落地型布簾式鍍金		No / 否		Yes (Opt.) / 是 (選配)		No / 否
PACKING	機器尺寸						
Machine overall height	機器高度	mm	2400 / 2600 (Opt.選配)		2580 / 2680 , 2780 (Opt.選配)		
Machine floor space	佔地面積	mm	2450 x 2000	2700 x 2000	3900 x 3300	4400 x 3300	5700 x 3300
Machine net weight	機器淨重	kgs	3600	3800	6000	6200	7000
Controller	控制器		Fanuc, Mitsubishi, Fagor, Syntec / 發那科, 三菱, 發格, 新代				

*本公司保有變更設計之權利，如有更改或改進規格時不另行通知，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

- 電腦控制器
- 鬆拉刀裝置
- 自動注油裝置
- 冷卻裝置
- 加工吹氣
- 電器箱熱交換器
- 全罩鍍金
- 石英工作燈
- 移動式手輪
- RS-232 介面
- 警示燈
- 剛性攻牙
- 自動斷電裝置
- 水平調整螺絲及墊片
- 工具及工具箱

特別附件

- 鐵屑輸送帶、鐵屑車
- 主軸冷卻系統
- 第4軸分度盤
- 刀臂式刀庫 20/24支刀
- 斗笠式刀庫 16/20/24支刀
- 油水分離裝置
- CE / CAS 規範
- 外部電源變壓器

STANDARD ACCESSORIES

- CNC control
- Tool release device
- Automatic lubricator
- Cooling system
- Air blast
- Heat exchange fo control box
- Fully enclosed splash guard
- Halogen work light
- Remote MPG
- RS-232 interface
- Alarm lamp
- Rigid tapping
- Automatic power off
- Leveling bolts and blocks
- Tool box and service tools

OPTIONAL ACCESSORIES

- Chip conveyor with cart
- Spindle cooling system
- 4th axis rotary table
- Arm type magazine 20 / 24 tools
- Armless type magazine 16 / 20 / 24 tools
- Oil and fluid separation device
- CE / CAS Approval specification
- External transformer

規格表 SPECIFICATIONS

項目 ITEM	機型 MODEL	單位 UNIT	EMB-750	EMB-1050	EMB-1360	EMB-1565	EMB-2065	
TRAVEL	行程							
Longitudinal - X axis	左右行程	mm	760	1000	1300	1500	2000	
Cross - Y axis	前後行程	mm	500		600	650		
Vertical - Z axis	上下行程	mm	520 / 700 (Opt.選配)		600 / 700 , 800 (Opt.選配)			
TABLE	工作台							
Table size	工作台尺寸	mm	1372 x 305	1524 x 406	1702 x 510	1900 x 510	2450 x 580	
T-slot	T形槽	mm	16 x #3	16 x #4	18 x #5			
Max. loading capacity	最大負載量	kgs	600	800	1200		2000	
SPINDLE	主軸							
Milling head type	主軸頭部型式		BL / BH		BH / VF / G			
Spindle taper	主軸斜度		NT#40		NT#40 (BH) / NT#50 (VF / G)			
Spindle speed	主軸轉速	rpm	60-4000 (BL / BH)					
			3 steps 段 60-3000 (VF) , 6 steps 段 / 12種 - 125-1100 (G)					
Spindle quill travel	主軸套管行程	mm	127 / 150 (Opt.選配) (BL) / 140 (BH)					
Swivel	旋轉角度		R & L / 左右±45° (BL / BH)					
FEED	進給							
Feed rate	進給速率	mm/min.	1-3000		1-5000			
Rapid traverse Rate	快送進給速率	mm/min.	5000		10000			
Ball screw	滾珠螺桿	mm	Ø32 x 5P x C5			Ø40 x 10P x C5		
MOTORS	驅動馬達							
Spindle motor	主軸馬達	HP	5 / 7.5 (Opt.選配)+inverter 變頻器		5 / 7.5 (Opt.選配) + inverter 變頻器 (BH) 10HP / 15HP (Opt.選配) + inverter 變頻器 (VF) 10P / 2P / 4P (G)			
X,Y,Z-axis servo motor	X, Y, Z 軸伺服馬達	kW	0.8		1.3 / 2 (Opt.選配)			
Coolant pump motor	冷卻泵浦	HP	1 / 8		1 / 4			
Semi splash safety guard	半罩式鉸金		Yes / 是		Yes / 是		Yes / 是	
Full splash guard	全罩式鉸金		Yes (Opt.) / 是 (選配)		Yes (Opt.) / 是 (選配)		No / 否	
Floor clothed curtain splash guard	落地型布簾式鉸金		No / 否		Yes (Opt.) / 是 (選配)		No / 否	
PACKING	機器尺寸							
Machine overall height	機器高度	mm	2400 / 2600 (Opt.選配)		2580 / 2680, 2780 (Opt.選配)			
Machine floor space	佔地面積	mm	2450 x 2000	2700 x 2000	3900 x 3300	4400 x 3300	5700 x 3300	
Machine net weight	機器淨重	kgs	2800	3000	5600	5800	7000	
Controller	控制器		Fanuc, Mitsubishi, Fagor, Syntec / 發那科, 三菱, 發格, 新代					

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標準附件

- 電腦控制器
- X軸左右伸縮鉸金
- Y軸前後伸縮鉸金
- Z軸下方伸縮鉸金
- 水盤
- 機身兩側擋板
- 工作台護罩(高350mm)
- 移動式手輪
- RS-232 介面
- 警示燈
- 自動斷電裝置
- 石英工作燈
- 自動潤滑系統
- 冷卻系統
- 熱交換器
- 工具及工具箱

特別附件

- H型強力臥式銑頭 (EMB-1360 / 1565 / 2065 機型)
- 三軸附傳統手輪
- 氣動鎖刀裝置
- 加工吹氣
- 主軸油冷裝置 (VF / G 主軸頭)
- 全罩式鉸金
- 鐵屑輸送機、鐵屑車
- 油水分離裝置
- CE / CSA 規範
- 外部電源變壓器

STANDARD ACCESSORIES

- CNC Control
- X axis telescopic steel cover
- Y axis telescopic steel cover
- Z axis lower telescopic steel cover
- Chip pan
- Twin end fence
- Safety guard of working table
- Remote MPG
- RS-232 interface
- Alarm light
- Automatic power off
- Halogen work lighting
- Auto lubricating system
- Cooling system
- Heat exchanger
- Tool & tool box

OPTIONAL ACCESSORIES

- H type powerful horizontal milling head (EMB-1360 / 1565 / 2065 T-type)
- X / Y / Z axis with traditional handwheel
- Air draw bar
- Air blast
- Spindle oil cooling device (VF / G Milling Head)
- Full safety guard
- Chip conveyor with cart
- Oil and fluid separation device
- CE / CSA Approval specification
- External transformer

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EVEROX

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