

HEAVY DUTY BED TYPE VERTICAL MILLING MACHINE

床台型強力立式銑床



●3V/4V制車缸 (選配)
3V/4V Brake cylinder (opt.)

FBM-3V/4V



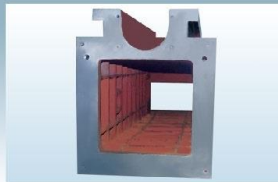
FBM-5V



●工作台護罩 (選配)
X軸左右伸縮鉸金 (選配)
Y軸後方伸縮鉸金 (選配)
Z軸下方伸縮鉸金 (選配)
●SAFETY GUARD OF WORKING TABLE (opt.)
X axis R & L telescopic steel cover (opt.)
Y axis rear telescopic steel cover (opt.)
Z axis lower telescopic steel cover (opt.)



●雙手輪
X軸採雙手輪設計，方便集中操作、簡捷；
有助於提昇工作效率。
●TWO HAND WHEEL
The X axis is designed two handle wheel for
easy operation.



●立柱
床台皆採堅固的箱型結構，鑄件內部
配置強化肋骨，且配合FC-30 米漢納
材質，並經淬火調質處理，無變型之
慮，極具強剛性。
The bed and column are designed as
box type with rigid structures.
All the main components are made of
FC-30 high quality casting and
annealing heat treatment.



●鞍座
超大型鞍座運作平穩，且接觸面加貼耐
磨片提高精度及耐磨度。
The saddle is designed with wide type for
accuracy movement in all direction.
The sliding surface is coated with turcite-B
to ensure smooth and accuracy movement
in long time.

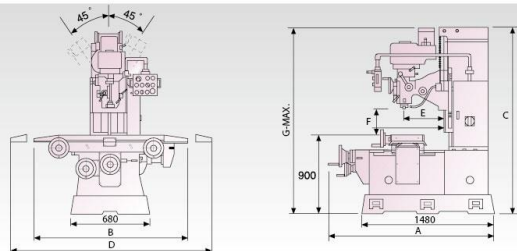


●滾珠螺桿
三軸採用高精度滾珠螺桿驅動穩
定，提高工件精度及工作效率。
Ball screw for 3-axis will increase efficiency.



●潤滑系統
自動潤滑附壓力表，可調供油期
，以充分潤滑各滑道。
●LUBRICATION
The automatic lubrication system
with pressure gage, the timing and
flow adjustable to provide the
excellent lubrication oil onto all the
sliding ways.

尺寸圖 DIMENSIONS



床台式銑床規格 SPECIFICATIONS

項目 ITEM	機型 MODEL		FBM-3V	FBM-3VS	FBM-3VF	FBM-4V	FBM-4VS	FBM-4VF	FBM-5V	FBM-5VF
	傳動型式	Driving type	皮帶輪式有段 Pulley step change speed	皮帶輪式無段 Pulley stepless change speed	變頻式無段 Variable inverter change speed	皮帶輪式有段 Pulley step change speed	皮帶輪式無段 Pulley stepless change speed	變頻式無段 Variable inverter change speed	皮帶輪式有段 Pulley step change speed	變頻式無段 Variable inverter change speed
行程 Travel	左右行程	Longitudinal travel-X	760 mm			1000 mm / 1200 mm (opt.)				
	前後行程	Cross travel-Y	500 mm							
	上下行程	Vertical travel-Z	520 mm / 720 mm (opt.)							
	主軸至工作台面距離	Spindle to table (F)	130-650 mm / 130-850 mm (opt.)							
工作台 Table	工作台尺寸	Table size	1370 x 305 mm (54" x 12")			1524 x 406 mm (60" x 16")				
	T型槽	T-slot	3 x 16 x 65 mm			4 x 16 x 70 mm				
	工作台最大荷重	Max. load on table	600 kgs			800 kgs				
主軸 Spindle	主軸直徑	Spindle taper	NT#40						NT#40 / NT#50 (opt.)	
	主軸管直徑	Quill diameter	105 mm						110 mm	
	主軸上下行程	Quill travel vertical	125 mm						140 mm	
	切削進給率	Quill feed	0.04 mm, 0.08 mm, 0.13 mm/REV						0.035 mm, 0.07 mm, 0.14 mm/REV	
進給速率 Traverse rate	主軸轉速	Spindle speed	L: 73-508 H: 591-3925 (10-step)						L: 75-500 H: 550-3600 (16-step)	
	X,Y,Z軸快速速率	Rapid traverse rate	X, Y: 1500 mm/min				Z: 1300 mm/min			
	X,Y,Z軸進給速率	Traverse rate	X, Y: 25-1000 mm/min				Z: 21-860 mm/min			
	主軸馬達	Spindle motor	5HP / 3.75 kw / 7.5HP / 5.5 kw (opt.)							
馬達 Motor	X,Y軸馬達	X,Y axis motor	1HP / 0.75 kw (AC Reduce motor 1:10)							
	Z軸馬達	Z axis motor	0.5HP / 0.375 kw (AC Reduce motor 1:15)							
外觀尺寸 Dimensions		A x B x C	1860 x 1780 x 2040 mm			1860 x 2265 x 2040 mm				
		D	2530 mm			3265 mm				
		E	460 mm			510 mm				
		最高	G			2530 mm / 2730 mm (opt.)				
		機械重量(淨重)	Net weight	2300 kgs			2600 kgs		2700 kgs	

* 本公司保有變更設計之權利，如有變更恕不另行通知。All specifications and designs are subjected to change.

標準附件 STANDARD ACCESSORIES

- Y軸前伸縮板
- 冷卻系統
- 可調式自動注油器
- 工作燈
- 銑刀夾頭拉桿
- 三軸滾珠導桿
- 工具及工具箱
- Front steel cover of Y axis
- Coolant system
- Automatic lubricator system
- Work lamp
- Draw bar
- X, Y, Z ball screw
- Tools & tool box

特別附件 OPTIONAL ACCESSORIES

- 水盤
- 機身兩側遮板
- 工作台護罩
- 氣動拉桿
- 數字光學尺
- Z軸剎車缸 (3V/4V)
- X,Y,Z軸DC伺服馬達
- Z軸加高 200 mm
- 有段主軸馬達4/8P(20段變速) (3V/4V)
- Chip pan
- Rear splash guard
- Safety guard of working table
- Air draw bar
- Digital read out
- Z axis brake cylinder (3V/4V)
- X,Y,Z axis DC servo motor
- 200 mm increased on Z axis
- Step spindle motor speed head 4/8P(20-step)(3V/4V)

AGENT



Heavy Duty Bed Type Vertical Milling Machine

VERTICAL MILLING MACHINE

