



落地式搪銑床

FLOOR TYPE BORING MACHINING CENTER



FBM-4025 TO 20040



EMC / CE / ISO 9002 CERTIFIED

PROFESSIONAL CNC MACHINES

BASED ON NEARLY 20 YEARS BUILDING MB SERIES 3. **THE LATEST DESIGNED - "SYMMETRIC & BOX-IN-BOX C** **基於近20年製造MB動柱型銑床及FBE萬能銑床經驗,新術**



- X (up to 8 meter travel), Y, Z axis transmission by high precision C3 ball screws, X axis by rotation nut and Y & Z axis by rotation ball screw.
 X軸(8米行程以內)及Y,Z軸傳動經由C3級高精密滾珠螺桿,X軸為螺帽旋轉,YZ軸為螺桿旋轉



- Chain type automatic tool changer from 40 stations, 60 up to 90 stations, fixed on traveling column, with guarding fence protected.
 鏈式自動換刀系統有四十把刀,六十到九十把刀可供選擇,固定於動柱上有鉸金隔離保護



- X axis travel from 10 meter, transmission by dual drive rack pinion.
 X軸行程10米以上,由幾近零背隙之雙減速機齒排驅動

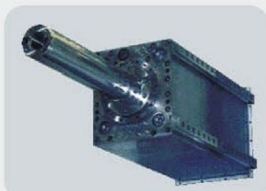
2 AXIS TRAVELING COLUMN MILLING CENTER & FBE SERIES **"CONCEPT" FBM SERIES TRAVELING COLUMN FLOOR TYPE BO** **推出最新設計 “對稱框盒概念” 之FBM系列動柱落地型搪銑床**



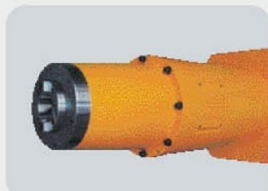
420mm x 450mm sliding ram, with 4 pieces heavy duty roller guide way system, is available with following :

420mm x 450mm滑枕,由四條滾柱滑軌組

合而成,可搭配下列各種銑頭及搪桿主軸:



- built in boring quill : $\phi 130\text{mm}$ / 2500RPM / 800mm travel or $\phi 160\text{mm}$ / 2000RPM / 700mm travel as the W axis travel 搪桿W軸



- EH-500 : manual attach extending head 500mm 手動延伸頭500mm



- VHM : manual attach & manual index universal 2 axis milling head 3000RPM 手動安裝及分度萬能銑頭



- VH-2.5 : manual attach & automatic index every 2 axis milling head 3000RPM 手動安裝及自動每2.5度分度兩軸萬能銑頭



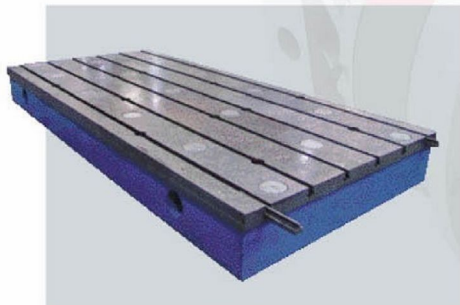
- VH-90 : manual attach & manual index 90 degree right angle head 3000RPM手動安裝及手動分度直角銑頭



- TCH-3 : built in twisting fork type 2 axis head 3000RPM 兩軸連動銑頭

UNIVERSAL MILLING CENTER, EUMACH INTRODUCES DRING MILLING CENTER.

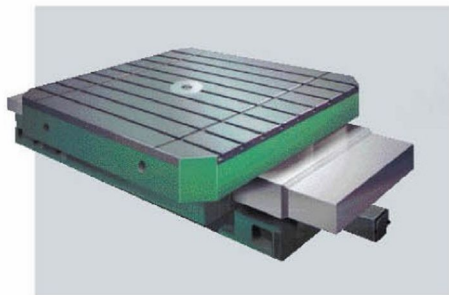
VARIOUS TABLE AVAILABLE 選配工作檯



Various floor plates 地板工作檯



Rotary table box 旋轉工作檯



2000mm x 2000mm B axis rotary table with
1500mm V axis travel, 19 tons load
旋轉工作檯1.5米V軸行程,載重19噸

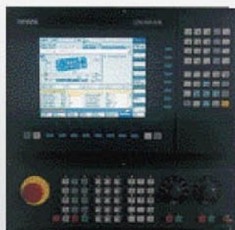


Various size angle blocks 直角工作檯

CNC CONTROLS AVAILABLE 控制器選擇



FANUC 日本發那科
18i - MB



SIEMENS 德國西門子
840D



HEIDENHAIN 海德漢
iTNC-530

FBM series BOX-IN-BOX Floor Type Traveling Column Milling Centers

Model meaning, for example, FBM-6025 means X&Y travel are 6000mm & 2500mm

FBM系列框盒型落地動柱式搪銑床

型號解說，例如：FBM-6025代表X及Y軸形成為6000mm及2500mm

Travel 行程	X-column right / left X軸立柱左右移動	4000mm~20000mm, with 2000mm modular
	Y-saddle up / down Y軸鞍座上下移動	2500mm, 3000mm, 3500mm, 4000mm
	Z-ram forward / backward Z軸滑枕前後移動	1300mm
Guide ways & Transmission 滑軌及傳動方式	X axis X 軸	2 pieces roller guide way with 10 carriages size 65mm ; ϕ 80mm ball screw (up to 8M travel), rack pinions from 10M travel 2條滾柱滑軌10個65MM滑塊；80MM直徑滾珠螺桿（最多8M行程），10M以上採用齒排傳動
	Y axis Y 軸	2 pieces roller guide way in front with 4 carriages size 65mm & 2 pieces roller guide way in back with 4 carriages size 45mm; ϕ 80mm ball screw 2條滾柱滑軌在前4個65MM滑塊及兩條滾柱滑軌在後4個45MM滑塊；兩支80MM直徑滾珠螺桿
	Z axis Z 軸	4 pieces roller guide way & 8 carriages size 45mm; ϕ 63mm ball screw 4條滾柱滑軌8個45MM滑塊：63MM直徑滾珠螺桿
Ram spindle 主軸滑枕	Section dimension 斷面尺寸	420mm x 450mm
	Fixed horizontal spindle 臥式主軸鼻端錐孔	BT#50, SK50, CAT50
	Spindle motor (S1/S6) 主軸馬達	37KW / 51KW
Feed rate 進給速率	Rapid X/Y/Z axis X Y Z 快速位移	Maximum 20M/20M/10M per minute 最快20M／20M／10M每分鐘
	Cutting X/Y/Z feed 切削速率	Maximum 10M/10M/8M per minute 最快10M／10M／8M每分鐘



Vertical machine center
400MM ~ 3200MM X axis travel



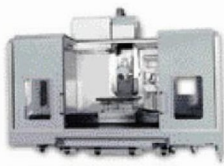
Moving column machine center
2320MM & 3320MM X axis travel



High speed bridge type machine center
1100MM ~ 2200MM X axis travel



Horizontal machine center
720MM x 650MM x 650MM travel



5 Face machine center
1400MM ~ 3200MM X axis travel



Moving column horizontal machine center
1100MM ~ 2200MM X axis travel



5 Face & double column machine center



Universal milling machine
1500MM ~ 4000MM X axis travel



5 Axis machine center
1000MM x 800MM x 700MM travel



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