

# 龍門 / 臥式銑床系列



## Plano/Horizontal Milling Machine Series

**CB-1500~2000**  
龍門銑床  
Mini Plano  
Milling Machine



- 數顯光學尺(選配)
- Digital read out system (optional)



**CB-1500F ~ 3000F**  
定樑式龍門銑床  
Fixed-Beam Type  
Double Column Milling  
Machine

**CY1500~5000**  
精密臥式銑床  
Horizontal Milling Machine



## CH-2012~6018 龍門銑床 Plano Milling Machine

### 機械特性

1. 橫樑受力面積寬闊，切削穩定性佳，保持良好精度，橫樑移動之空間提供大工件物極佳切削環境。
2. 三軸硬軌設計，提供重切削及高負重設計。
3. 機床機身皆採用高質量鑄鐵鑄造而成，經高溫回火正常化處理於長時間內能夠保持最高剛性及穩定性，長時間不變形。

### FEATURES:

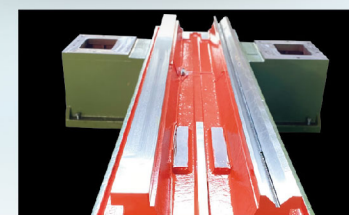
1. Wide range surface on the beam to offer the accuracy cutting and the large working space.
2. 3 axes box way design, to offer the heavy cutting and table loading.
3. High quality machine's material and outstanding structural design to supply high stability, rigidity and accuracy.



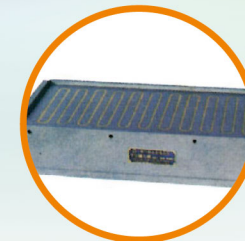
### 選配 Optional accessories



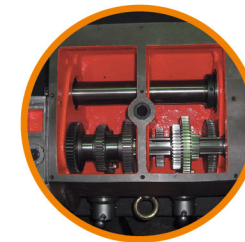
- 主軸頭齒輪箱設計，均經由精密研磨，提供客戶高扭力，重切削高精度之功能。
- Spindle head gear box design, all the gear with high accuracy grinding, to offer heavy cutting, high torque and high precision feature.



- 堅固寬廣的底座結構，一V一平軌道之特別設計，提供客戶最佳的負重承載
- Wide range base and strong structure, specially the "1 V 1 FLAT" type slide way for heavy loading.



- 強力電氣磁盤
- 擺脫傳統手工挾持方式，強力鎖緊，穩定且適合耐重切削。
- Electromagnetic check
- Changed traditional manual clamping way, powerful locking device stable and suitable for heavy cutting.



- 主軸頭齒輪箱設計，均經由精密研磨，提供客戶高扭力，重切削高精度之功能。
- Spindle head gear box design, all the gear with high accuracy grinding, to offer heavy cutting, high torque and high precision feature.



### 選配 Optional accessories

- 搪銑分割工作台，提供低成本、快速的工件效率。
- Hydraulic index table provide the low cost, and high speed workpieces efficiency.



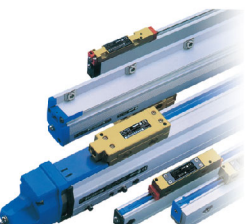
■ CYH-90度頭  
90 degree head



■ CYH-L90萬能頭  
Universal head



■ CYH-90深孔頭  
Deep hole angular head



■ 數顯光學尺  
Digital read out system

- 輔助主軸多向加工切削  
Option head selection offer special inquiry cutting.



# 超大型龍門銑床系列

## Largeness Plano Milling Machine Series

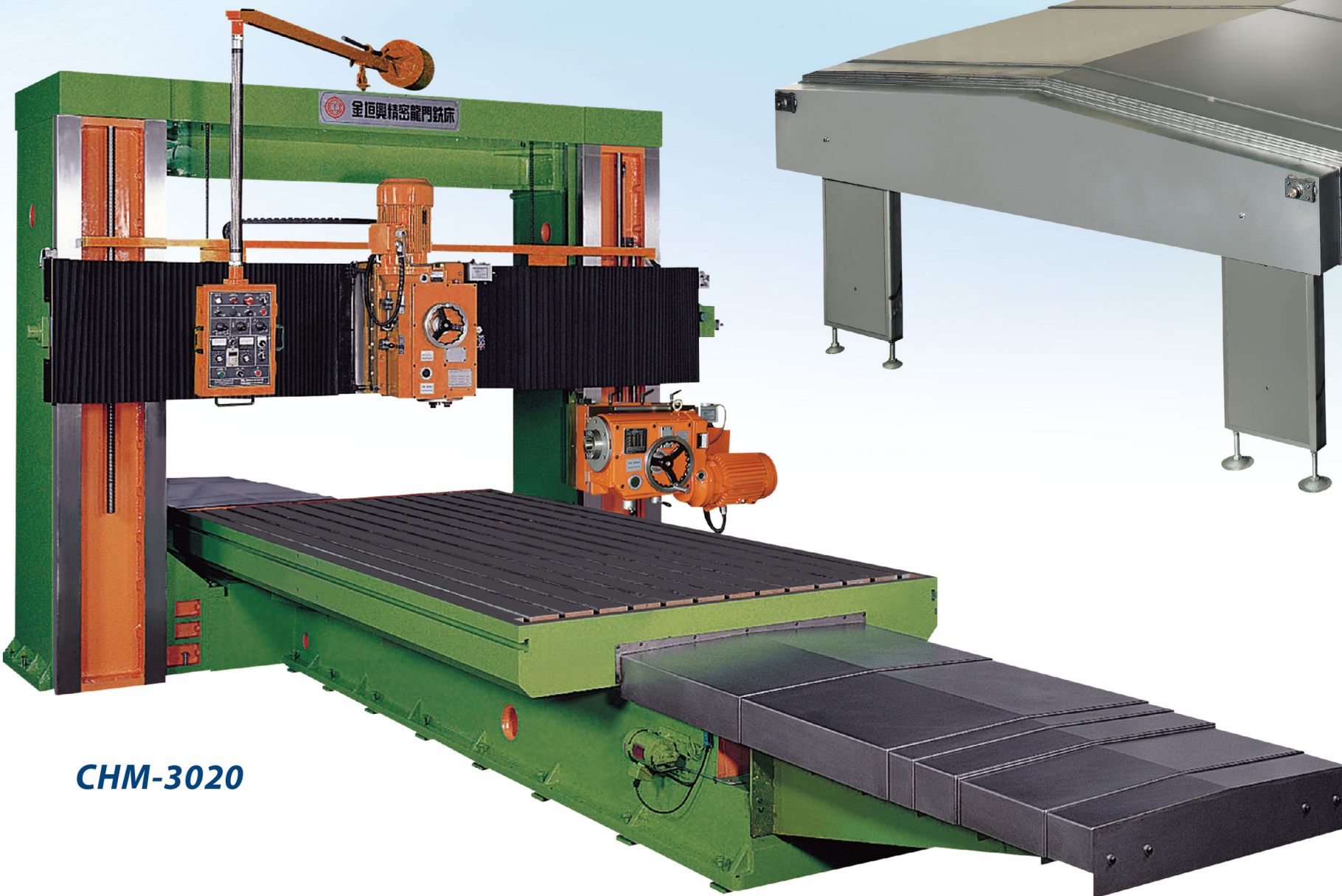
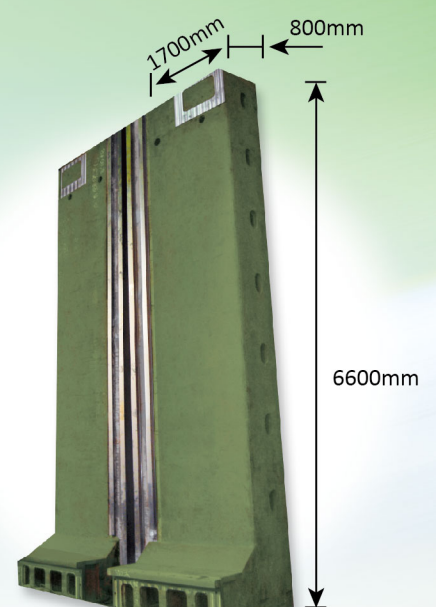
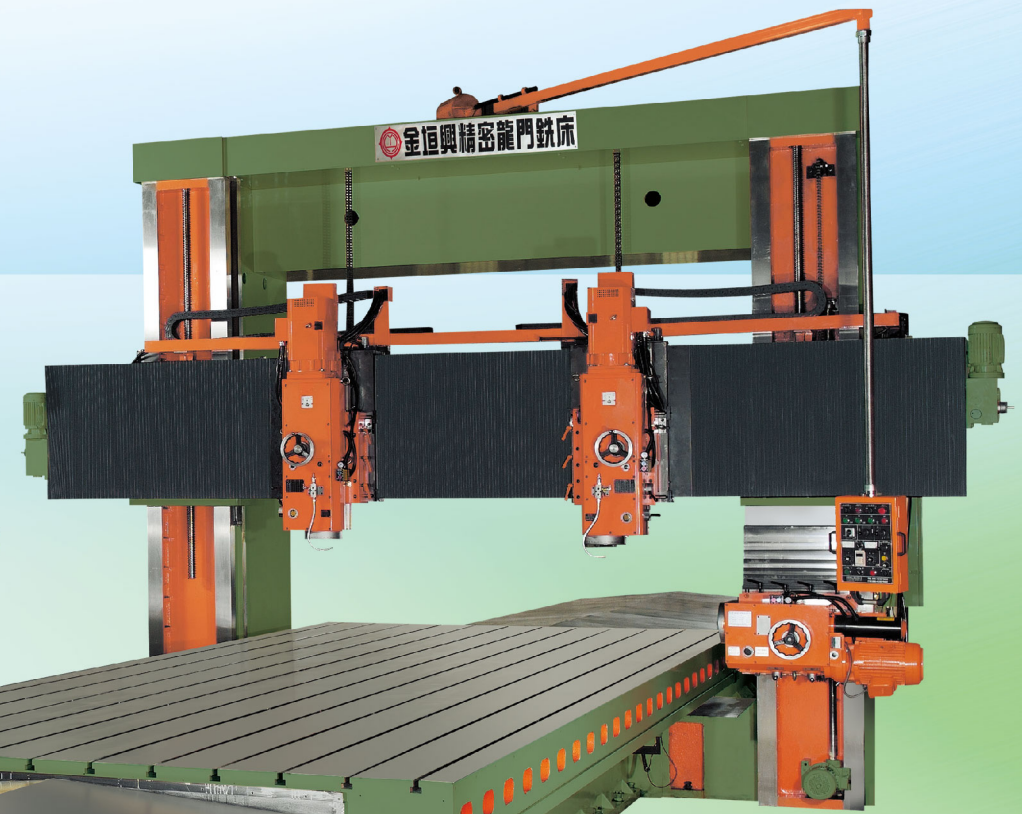
### 機械特性

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2. 三軸硬軌設計，提供重切削及高負重設計。
3. 機床機身皆採用高質量鑄鐵鑄造而成，經高溫回火正常化處理於長時間內能夠保持最高剛性及穩定性，長時間不變形。

### FEATURES:

1. Wide range surface on the beam to offer the accuracy cutting and the large working space.
2. 3 axes box way design, to offer the heavy cutting and table loading.
3. High quality machine's material and outstanding structural design to supply high stability, rigidity and accuracy.

CHM-3020~8035



CHM-3020



- 精密審慎之檢測安裝，提供高品質之機械水準。
- High quality control on inspection and assembly.

- 超大型龍門銑床，堅固強壯之立柱結構，提供超大型工件物之加工。(圖示為最大型立柱尺寸)
- The heavy and strong column structure on extra large plano miller, to supply wide range working parts demand. (drawing is largeness column)

### 選配 Optional accessories



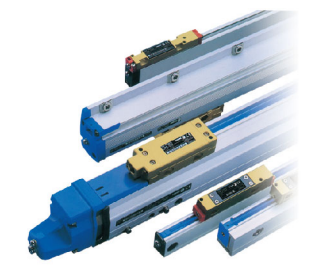
■ CYH-L90萬能頭  
Universal head



■ CYH-90度頭  
90 degree head



■ CYH-90深孔頭  
Deep hole angular head



■ 數顯光學尺  
Digital read out system

■ 輔助主軸多向加工切削  
Option head selection offer special inquiry cutting.



項目 ITEM	型號 MODEL	單位 UNIT	CH-2012	CH-2512	CH-3012	CH-4012	CH-2015	CH-2515	CH-3015	CH-4015	CH-5015	CH-6015	CH-2518	CH-3018	CH-4018	CH-5018	CH-6018	
X 軸行程	X Axis travel	mm	2000	2500	3000	4000	2000	2500	3000	4000	5000	6000	2500	3000	4000	5000	6000	
Y 軸行程	Y Axis travel	mm	1200				1500				1800							
Z 軸行程 (頭部)	Z Axis travel (head)	mm	標配 Std.10HP (行程390mm-上290/下100) 選配 Opt.15HP						標配 Std.10HP (行程390mm-上290/下100) 選配 Opt.15HP									
雙柱間距離	Distance between the column	mm	1200				1500				1800							
主軸鼻端至工作台面距離	Spindle nose to table surface	mm	1000						1000 (標配Std.) / 1200 (選配Opt.)									
工作台尺寸	Table size	mm	2000x800	2500x800	3000x800	4000x800	2000x1200	2500x1200	3000x1200	4000x1200	5000x1200	6000x1200	2500x1500	3000x1500	4000x1500	5000x1500	6000x1500	
立銑頭馬達	Vertical head motor	HP	10 (標配Std.) / 15 (選配Opt.)						10 (標配Std.) / 15 (選配Opt.)									
側銑頭馬達	Side head motor	HP	10						10									
床台傳動系統	Driving system	mm	快送Rapid 5 / 切削Cutting 3 (齒數比teeth rate 1:15)						快送Rapid 5 / 切削Cutting 3 (齒數比teeth rate 1:15)									
立銑頭左右馬達	Vertical head left / right motor	HP	2						2									
橫樑升降馬達	Beam up / Down motor	HP	2						2									
銑削速度進給	Cutting feed rate	mm	無段微調 Variable speed						無段微調 Variable speed									
機台重量	Machine weight	kgs	11500	13500	15800	18000	14000	16000	18500	20500	23000	26500	18300	20000	22500	25000	29000	
佔地面積	Machine size	長 L	mm	6180	7300	8200	10500	6180	7300	8200	10500	12650	14580	7300	8200	10500	12650	14580
		寬 W	mm	3000						3300								
		高 H	mm	2700						2900								

超大型龍門銑床 Largeness Plano Milling Machine

CHM 3020~8035 Series

項目 ITEM	型號 MODEL	單位 UNIT	CHM-3020	CHM-4020	CHM-5020	CHM-6020	CHM-3025	CHM-4025	CHM-5025	CHM-6025	CHM-8025	CHM-4030	CHM-5030	CHM-6030	CHM-8030	
X 軸行程	X Axis travel	mm	3000	4000	5000	6000	3000	4000	5000	6000	8000	4000	5000	6000	8000	
Y 軸行程	Y Axis travel	mm	2000				2500				3000					
Z 軸行程 (頭部)	Z Axis travel (head)	mm	標配 Std.15HP (行程480mm-上230/下250) 選配 Opt.20HP						標配 Std.15HP (行程480mm-上230/下250) 選配 Opt.20HP							
雙柱間距離	Distance between the column	mm	2000				2500				3000					
主軸鼻端至工作台面距離	Spindle nose to table surface	mm	1500						1700(標配 Std.) / 2000, 2500 (選配 Opt.)							
工作台尺寸	Table size	mm	3000x1500	4000x1500	5000x1500	6000x1500	3000x2000	4000x2000	5000x2000	6000x2000	8000x2000	4000x2500	5000x2500	6000x2500	8000x2500	
立銑頭馬達	Vertical head motor	HP	15(標配 Std.) / 20 (選配 Opt.)						15(標配 Std.) / 20 (選配 Opt.)							
側銑頭馬達	Side head motor	HP	10						10							
床台傳動系統	Driving system	mm	滾珠螺桿 Ball screw						滾珠螺桿 Ball screw				滾珠螺桿 Ball screw			
立銑頭左右馬達	Vertical head left / right motor	HP	2						2				2			
橫樑升降馬達	Beam up / Down motor	HP	3						3				5			
銑削速度進給	Cutting feed rate	mm	無段微調 Variable speed						無段微調 Variable speed							
機台重量	Machine weight	kgs	26000	29000	33500	37000	37000	45000	51500	56000	71000	49000	55000	62000	80000	
佔地面積	Machine size	長 L	mm	8380	10980	12780	15000	8380	11000	12800	15000	19500	11000	12800	15000	19500
		寬 W	mm	4500						5200						
		高 H	mm	3980						4950(標配 Std.) / 5400, 5900 (選配 Opt.)						

項目 ITEM	型號 MODEL	單位 UNIT	CHM-5035	CHM-6035	CHM-8035
X 軸行程	X Axis travel	mm	5000	6000	8000
Y 軸行程	Y Axis travel	mm	3500		
Z 軸行程 (頭部)	Z Axis travel (head)	mm	(標配 Std.) (10HP) 300 / (15HP) 400 or 600 (選配 Opt.)		
雙柱間距離	Distance between the column	mm	3500		
主軸鼻端至工作台面距離	Spindle nose to table surface	mm	2000 (標配Std.) / 2500, 3000 (選配Opt.)		
工作台尺寸	Table size	mm	5000x3000	6000x3000	8000x3000
立銑頭馬達	Vertical head motor	HP	15(標配 Std.) / 20 (選配 Opt.)		
側銑頭馬達	Side head motor	HP	10		
床台傳動系統	Driving system	mm	滾珠螺桿 Ball screw		
機台重量	Machine weight	kgs	63000	73000	90000
佔地面積	Machine size	長 L	mm	12800	15000
		寬 W	mm	6300	
		高 H	mm	5600 (標配Std.) / 6150, 6650 (選配Opt.)	

標準附件

- 立銑頭10HP馬達1組(CHM type 15HP)
- 立銑頭快送進刀
- 橫銑頭10HP馬達1組(CB type excluded)
- X,Y軸傳動採用精密級滾珠螺桿
- 銑削進給採無段微調(變頻器)
- 工作台滑道貼耐磨片
- 工作台滑道前後伸縮護蓋
- 底座滑道自動潤滑系統
- 橫樑保護套
- 十字自動進刀系統
- 工具與工具箱
- 操作維護說明書

Standard accessories

- Vertical milling head 10HP (CHM type 15HP)
- Vertical milling head automatic cutting motor
- Horizontal milling head 10HP (CB type excluded)
- Cross-beam automatic feed device system (Direct motor)
- Cross-beam up & down moving (W-axis) feed device system (Direct motor)
- X-axis (table) transmission use ball screws + reducer & direct moter
- Y-axis (table) transmission use ball screws
- Turcite-B on table slideways
- Table (X-axis) front & back flexible dust cover
- Cross-beam guards
- Automatic lubricator for bottom slideways (X axis-table)
- Cutting feed by micro-adjuster
- Operation manual
- Tool & tool box



# Double Column Milling Machine

## 機械規格 Specifications

### 龍門銑床 Mini Plano Milling Machine **CB** 1500~2000 Series

項目 ITEM		型號 MODEL	單位 UNIT	CB-1500	CB-2000
X 軸行程	X Axis travel		mm	1500	2000
Y 軸行程	Y Axis travel		mm	1000	1000
Z 軸行程 (頭部)	Z Axis travel (head)		mm	300	300
兩柱間距離	Distance between the column		mm	1000	1000
主軸鼻端至工作台面	Spindle nose to table surface		mm	550	550
工作台尺寸	Table size		mm	1500 x 700	2000 x 700
立銑頭馬達	Vertical head motor		HP	標配 Std.10HP (行程390mm-上290/下100) 選配 Opt.15HP	
機台重量	Machine weight		kgs	6500	8000
佔地面積	Machine size	長 L	mm	4800	5900
		寬 W	mm	2150	2150
		高 H	mm	2250	2250

### 精密臥式銑床 Horizontal Milling Machine **CY** 1500~5000 Series

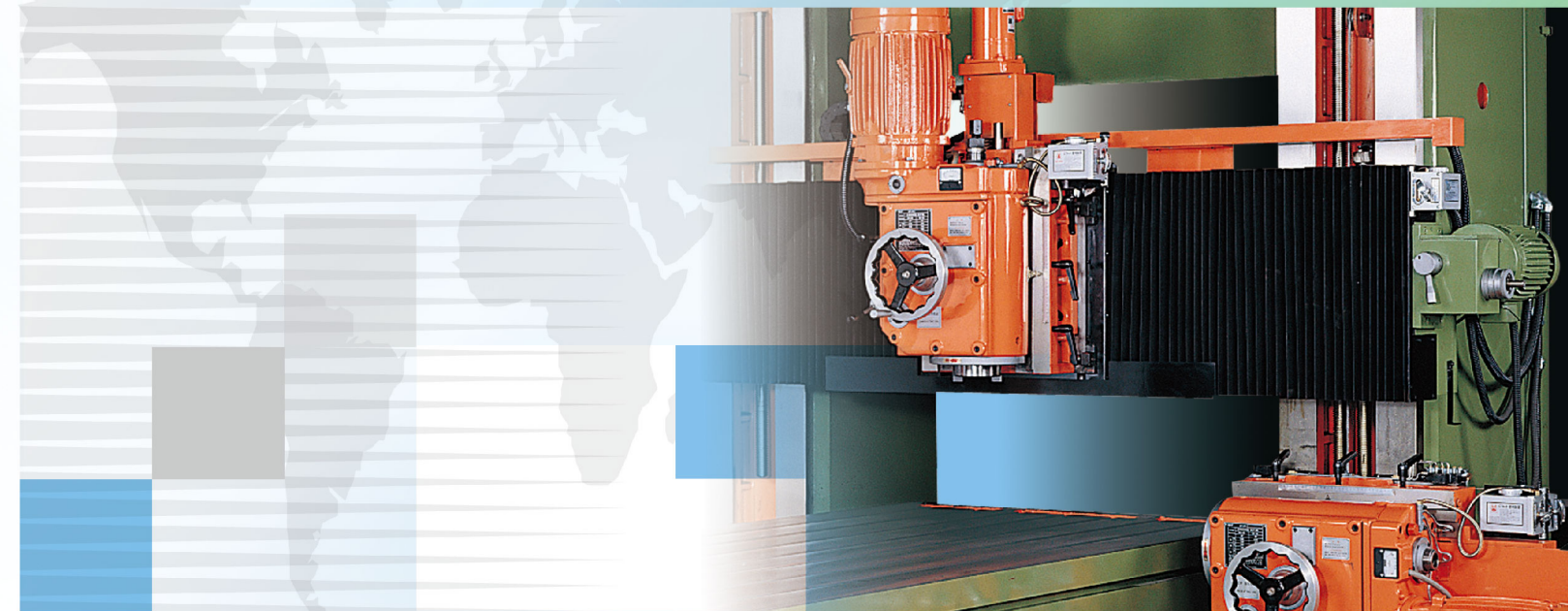
項目 ITEM		型號 MODEL	單位 UNIT	CY-1500	CY-2000	CY-2500	CY-3000	CY-4000	CY-5000
X 軸行程	X Axis travel		mm	1500	2000	2500	3000	4000	5000
Y 軸行程	Y Axis travel		mm	600	800 (標配Std.) / 1000, 1200 (選配Opt.)				
工作台尺寸	Table size		mm	1500x700	2000x800	2500x800	3000x800	4000x800	5000x800
工作台尺寸 (選配)	Table size (Opt.)		mm		2000x1200	2500x1200	3000x1200	4000x1200	5000x1200
主軸馬達	Spindle motor		HP	10	10 (標配Std.) / 15 (選配Opt.)				
主軸行程	Spindle travel		mm	390	(10HP) 390 / (15HP) 480 or 600				
機台重量	Machine weight		kgs	5500	8600	11000	12500	15000	19000
佔地面積	Machine size	長 L	mm	4900	5900	7100	8000	10000	12000
		寬 W	mm	2030	2200	2300	2300	2300	2300
		高 H	mm	2270	2780	2780	2780	2800	2800

\*規格如有變更，恕不另行通知。 \*可訂購大尺寸。

\*Specifications subject to change without prior notice. \*Larger sizes are also available.



# Chin Yuan Hsing



## 龍門銑床系列 *Plano Milling Series*

# CHM/CH/CB 系列 SERIES

## 臥式銑床系列 *Horizontal Milling Machine Series*

# CY 系列 SERIES



CYHMI  
SINCE 1972

金垣興機械工業股份有限公司

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