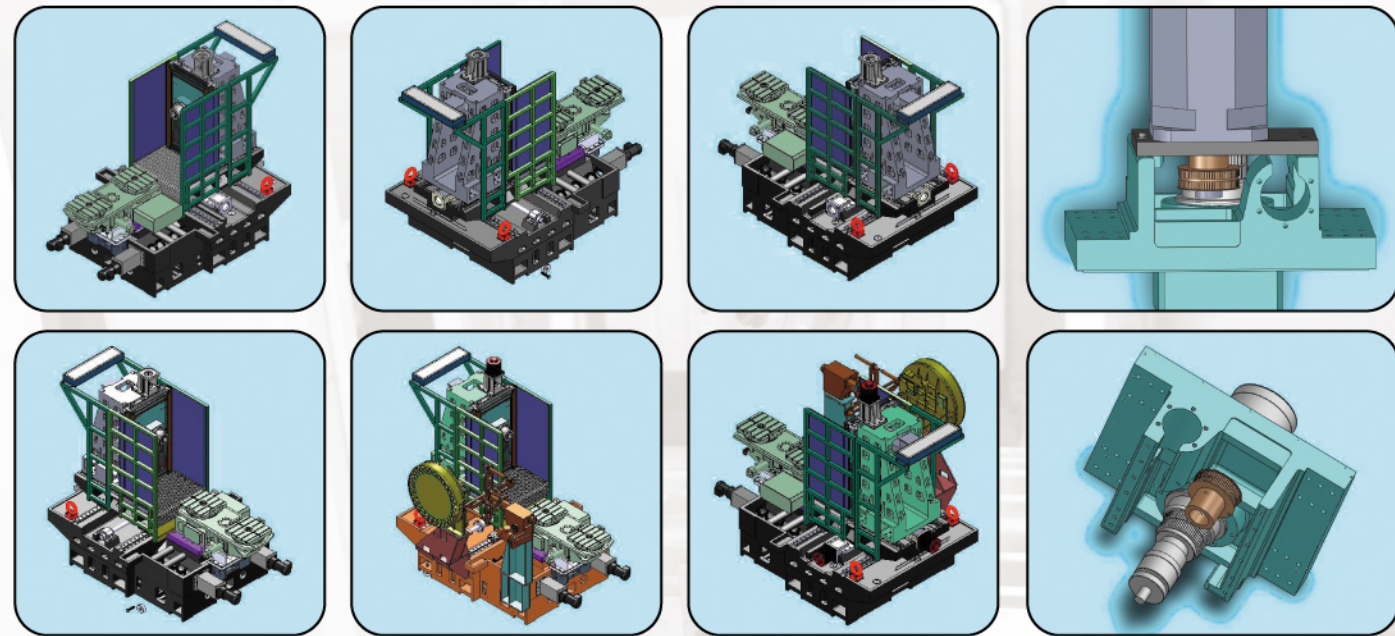
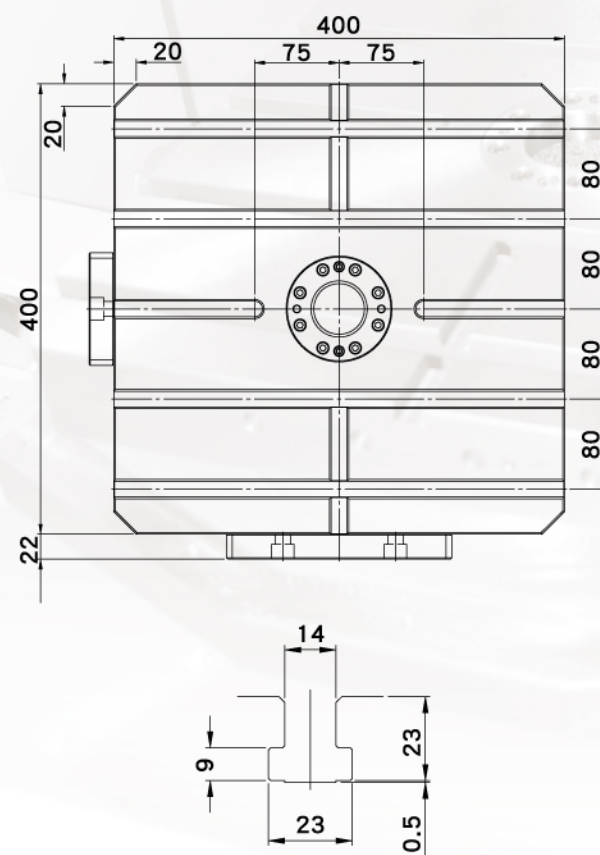


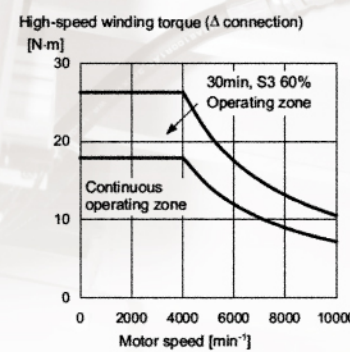
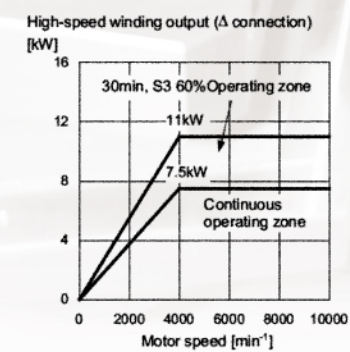
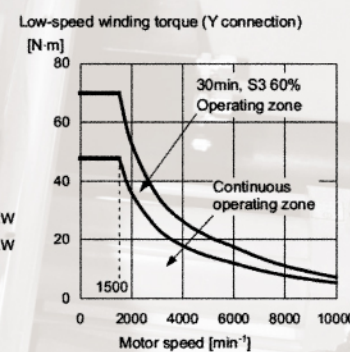
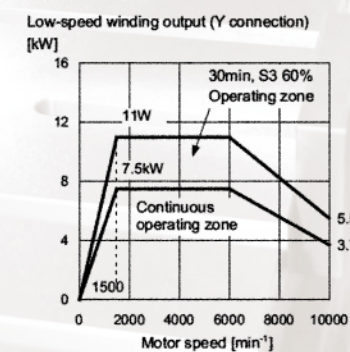


工作台尺寸 / Working Table



主軸扭力圖 / Spindle Power & Torque

● α8/10000i



機械規格 Specifications:

型 號	MODEL	UNIT	HMC-400	HMC-500
TRAVEL				
X 軸行程	X axis travel	mm	710	
Y 軸行程	Y axis travel	mm	550	
Z 軸行程	Z axis travel	mm	550	
主軸鼻端至工作台中心	Spindle nose to table center	mm	140 - 690	
主軸鼻端至工作台面	Spindle center to table surface	mm	50 - 600	
工作台至地面距離	Table surface to floor	mm	1160	
TABLE				
工作台尺寸	Table size	mm	400 x 400	500 x 500
工作台數量	Pallet number	pcs	2	
工作台交換方式	Pallet exchange method	type	旋轉式 / Rotary	
工作台交換時間	Pallet exchange time	sec	12 - 15	
最大負荷	Max. table load	kg	400	
工件固定方式	Fixing holes	mm	M16 x 24孔 Holes	
最小分度	Min. indexing	degree	0.001	
SPINDLE				
主軸轉速	Spindle speed	rpm	10000	
主軸錐度	Spindle taper	type	BT40	
傳動方式	Spindle drive	type	皮帶式 / Belt	
主軸套管外徑	Quill outer diameter	mm	Ø150	
ATC				
刀庫型式	Magazine type	type	刀臂式 / Arm type	
刀庫容量	Tool magazine capacity	pcs	24	
刀把型式	Tool shank	type	BT40	
最大刀具直徑	Max. tool diameter	mm	75	
最大鄰空刀直徑	Max. tool diameter non adjacent	mm	100	
最大刀具長度	Max. tool length	mm	200	
最大刀具重量	Max. tool weight	kg	7	
換刀時間 (刀對刀)	Tool change time (Tool to tool)	sec	8 - 10	
MOTOR				
主軸馬達 (連續/30分鐘額定)	Spindle motor (cont. / 30 min. rating)	kw	7.5 / 11	
X / Y / Z 軸馬達	X / Y / Z axis motor	kw	4	
切削液泵浦	Coolant pump motor	kw	0.86	
電源容量	Power consumption	KVA	40	
空壓源	Air pressure required	kg/cm²	6以上	
FEED RATE				
進給速率	Rapid traverse (X / Y / Z)	m/min	36	
快速進給 (X / Y / Z)	Cutting feed rate	m/min	10	
BALL SCREW				
X / Y / Z 軸	Diameter of X / Y / Z axis	mm	50 / 40 / 50, C3	
導程	Pitch of X / Y / Z axis	mm	12	
GUIDEWAYS				
線軌寬度	Width of linear guideways (X / Y / Z)	mm	55 / 45 / 45	
MACHINE DIAMETER				
機械外型尺寸 (長x寬x高)	Machine dimension (L x W x H)	mm	4000 x 5000 x 2800	4000 x 5100 x 2800
機械淨重	Machine net weight	kg	10000	10500
機械毛重	Machine gross weight	kg	10500	11000

尺寸規格若有變更，恕不另行通知。
Design and specifications are subject to change without prior notice.

Sunmill
your best partner

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代理商 / Agent:

標準配備

- 三軸滾珠線性滑軌
- 皮帶式主軸10000轉 / BT40
- 全罩式钣金護罩
- 自動交換工作台 (2個拖板)
- 刀臂式刀庫24把刀
- 三軸螺桿預拉設計
- 主軸油冷卻機
- 主軸環狀噴水
- 電器箱熱交換器
- 履帶式鐵屑輸送機
- 螺旋式排屑機
- 切削液冷卻系統
- 自動潤滑系統
- 空壓系統
- 主軸吹氣裝置
- 護罩上方沖屑裝置
- 沖屑裝置
- 工作燈 (日光燈管)
- 警示燈
- 移動式手輪
- 自動斷電

選購配備

- 滾柱線性滑軌
- 主軸中心出水20bar
- 光學尺
- T型槽工作台
- 油霧回收裝置
- 電器箱空調冷氣機
- 皮帶式主軸12000轉
- 直結式主軸12000 / 15000轉
- 刀臂凸輪式刀庫 30把刀 / BT40
- 鏈條凸輪式刀庫 40把刀 / BT40
- 鏈條凸輪式刀庫 60把刀 / BT40
- 刀臂凸輪式刀庫 24把刀 / BT50
- 刀臂凸輪式刀庫 30把刀 / BT50
- 鏈條凸輪式刀庫 32把刀 / BT50
- 鏈條凸輪式刀庫 40把刀 / BT50
- 三軸48m/min快速位移
- 工作台最小分度選配1° 或 5°
- EMC-三相濾波器
- 水槍
- 風槍
- CE
- 變壓器

Standard Accessories:

- Ball screw linear guideway for 3 axes
- Spindle 10000 rpm, BT40, Belt type
- Full enclosed splash guard
- Automatic pallet changer with 2 pallets
- Arm type ATC 24 tools, BT40
- Pretensioned ball screws on 3 axes
- Spindle oil cooler
- Spindle splash ring
- Heat exchanger for electric cabinet
- Chain type chip conveyor with bucket
- Screw type chip conveyor
- Cutting coolant system
- Auto lubrication system
- Air system
- Spindle air blast
- Chip flushing device on top of guard
- Chip flushing device
- Fluorescent working lamp
- Warning light
- MPG hand wheel
- Auto power off

Optional Accessories:

- Roller type linear guideway
- Coolant through spindle 20bar
- Linear scale
- Table with T-slots
- Oil mist collection device
- Air conditioner device for electric cabinet
- Spindle speed 12000 rpm, belt type
- Spindle speed 12000 / 15000 rpm, direct drive
- Arm type A.T.C. 30 Tools / BT40
- Chain type A.T.C. 40 Tools / BT40
- Chain type A.T.C. 60 Tools / BT40
- Arm type A.T.C. 24 Tools / BT50
- Arm type A.T.C. 30 Tools / BT50
- Chain type A.T.C. 32 Tools / BT50
- Chain type A.T.C. 40 Tools / BT50
- X / Y / Z axis rapid feed 48 m/min
- Table indexing unit 1° or 5°
- EMC- electric wave filter 3 PH
- Coolant gun
- Air gun
- CE
- Transformer

2011-02-1000

臥式綜合加工機 HORIZONTAL MACHINING CENTER



**HMC-400
HMC-500**

晶禧科技股份有限公司



機台特性

Optimum Structural Design

- 動柱式的設計，其重量不會變成傳動系統之負擔，在高速下有可靠性精度。
- 採取滾珠線軌設計，速度快、高剛性、高度精度、高效率。
- 採雙交換工作台設計，適用於量產生產線及模組化的加工，節省加工時間。
- 佔地面積小，靈活性高，使用者可以隨時改變設備製程並達一貫化的生產。
- 臥式CNC綜合加工機有別於一般立式CNC綜合加工機之夾持條件，適用於汽機車零件、汽缸、泵浦、閥件、3C、生技醫療等大量生產。
- 外型美觀大方、操作方便並符合人體功學。
- 售後維修服務更具迅速及便利。

HMC Series

研發設計一機兼具，多功能及複合化強大之一次夾持便完成多面與多樣加工之優勢，此設計也針對可模組化更換、彈性在三軸、四軸、五軸、車銑、APC等多功能與複合化之間變化，此設備具加工大型工件及佔地面積小之靈活性。

HMC series is a multi-function machine, which advantaged achieving multidimensional and multiple processing. In addition to the large workpiece processing and has the flexibility of the less floor space occupied. Modular exchange design apply on flexible functions for multiple 3-axis, 4-axis, 5-axis, turning milling, pallet changer machining.

- Movable column design: which weight will not be the load of the transmission system and ensures the high accuracy at high rapid traverse.
- Ball type linear guideway design: ensures the rapid traverse, high rigidity, high accuracy and high efficiency.
- Twin -Pallet changer design: suitable for the quantification production line and modular machining. It can save a lot of processing time.
- Less floor space occupied with more flexible design. Users simplify changing process for efficient production. The clamping function of CNC horizontal machining center is different from the vertical type, fit for mass production such as vehicle & motorcycle parts, cylinder, pump, valve, 3C and biotechnology & medical equipment, etc.
- Outstanding features are optimum operation for matching ergonomics.
- Fast and easy maintenance.

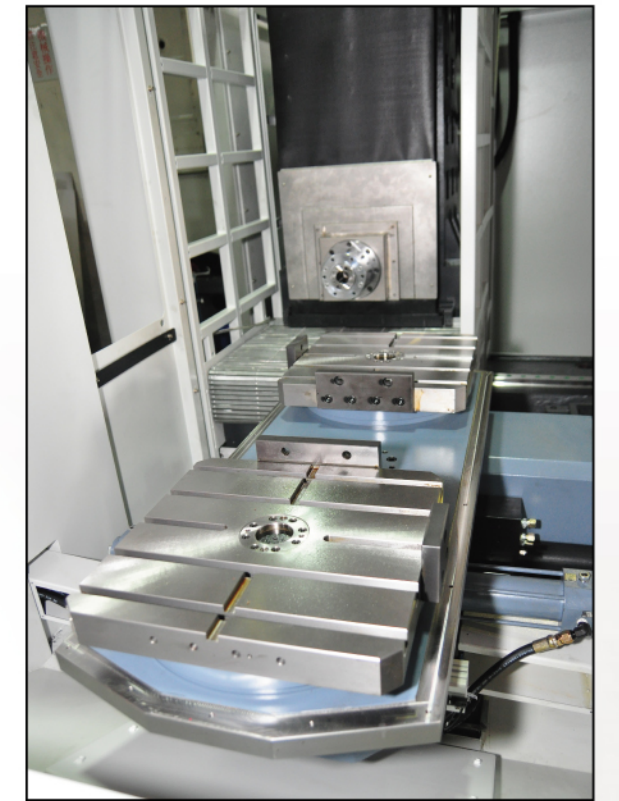


控制器系統

- Fanuc Oi-MD (標準配備)
- Fanuc 18i-MB / 31iA (選購配備)
- Mitsubishi M70 / M700V

Controller System

- Fanuc Oi-MD (Standard)
- Fanuc 18i-MB / 31iA (Options)
- Mitsubishi M70 / M700V

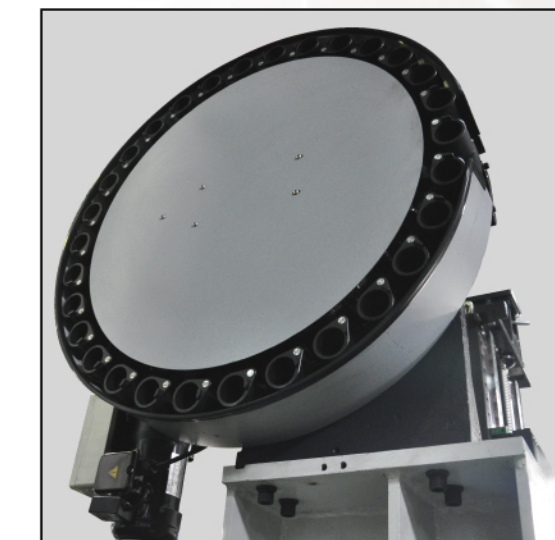


線性滑軌

X/Y/Z軸分別採用55/45/45 mm 滾珠線性滑軌，提高加工穩定度。

Linear Guide Way

Linear guide ways with 55/45/45 mm on X, Y, Z axes heighten the processing stability.



刀臂式刀庫

採用滾子齒輪凸輪，換刀速度快，定位精度佳，刀庫容量24把刀，選刀方式為雙向任意式選刀。

Arm Type ATC

Adopts roller gear cam for fast tool changing time. ATC tool capacity is 24 tools. Bi-directional random tool selection.