

精湛的工藝
SUPERB TECHNOLOGY



非凡的價值
OUTSTANDING VALUE

臥式綜合加工中心機

Horizontal Machining Center

U2-32H

專利字號：發明第 I 636828 號



- ▶ 獨特的結構設計，能縮短加工時間、減少工作台定位公差
Unique design of the structure, minimize the time of processing and reduce the tolerance of table.
- ▶ 主要鑄件採高強度韌性米漢納鑄鐵經退火應力消除，永不變形
Main frame is made of Meehanite casting for superior rigidity.
- ▶ 軸向採高速、重負荷支PMI (SP級)滾柱型線性滑軌
All axes are mounted with high speed, heavy duty PMI, SP class, roller type linear guide ways.
- ▶ 滑道以防屑伸縮護罩包覆，保護滑道及滾珠螺桿免於切削水濺入造成磨損
Steel telescopic ways cover on axes protecting ways and ballscrews from dust.
- ▶ 本機採全密閉式護罩，確保加工過程之安全性
Fully enclosed splash guard to ensure the security during operation.

結構特點

Structures & Features

堅固的結構 Rigidity Structure



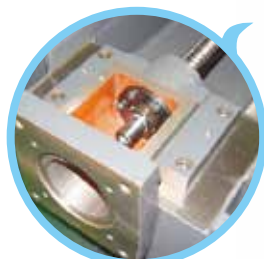
專利證書
Patent certification



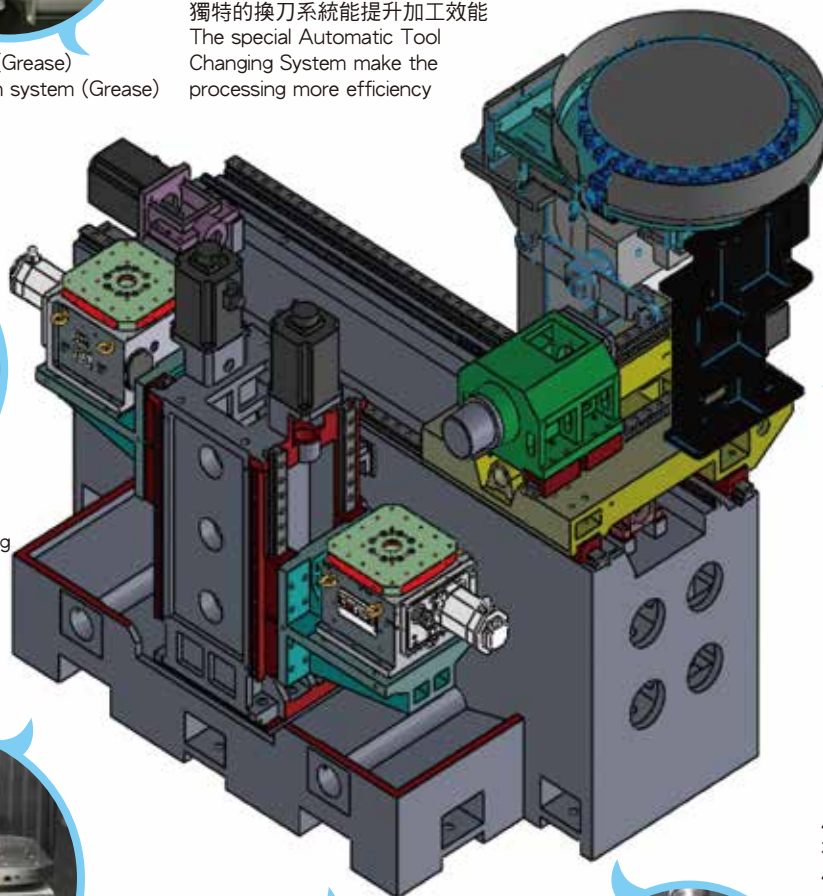
油脂潤滑機構 (Grease)
Auto lubrication system (Grease)



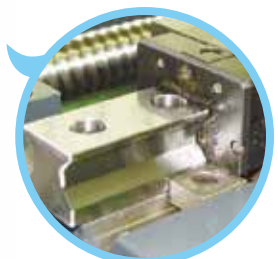
獨特的換刀系統能提升加工效能
The special Automatic Tool Changing System make the processing more efficiency



結合面均用鏟花方式接合
All connectives with scraping



滾珠螺桿螺帽冷卻裝置
Nut screw coolant device in the ball-screw



45mm PMI (SP級)滾柱型線性滑軌及荷重型滑塊
45mm PMI (SP class) roller type linear guide ways and heavy duty slideblocks



獨立工作台面能穩定長期加工的定位精度
The independent table make the positioning of the long-term processing more precise, stable



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U2-32H 機器規格 Specification

型式	Model	U2-32H
機械行程	Travel	
XA / XB 軸	XA / XB-axis travel	320 / 320 mm
Y 軸 (A 區/B 區)	Y-axis travel (A / B zone)	320 / 320 mm
Z 軸	Z-axis travel	320 mm
主軸中心至工作台距離	Spindle center to table surface	85-405 mm
主軸鼻端至工作台中心	Spindle nose to table center	40-360 mm
工作台	Table	
尺寸	Table working surface	320 × 320 mm
最大負載	Max loading capacity	200 kg
工作台最小分割角度	Table indexing	0.001 °
工作台數	Number of tables	2
工作台交換時間	Time of changing table	3 sec
主軸	Spindle	
轉速	Spindle speed (RPM)	12,000 rpm (15,000 rpm Opt.)
主軸傳動方式	Spindle transmission	直結式 Direct Type
主軸端孔斜度	Spindle taper hole	BT-40 (BBT-40 Opt.)
進給	Feedrate	
快速進給	Rapid traverse	24 M / min
最大切削進給	Max. cutting rate	10 M / min
線軌規格尺寸	Size of the linear guideway	PMI SP Class Roller type 45mm
X1 / X2 / Y / Z	X1 / X2 / Y / Z ballscrews size	Ø40 / Ø40 / Ø50 / Ø40 螺帽冷卻
換刀系統	A.T.C.	
刀把數量	Tool storing capacity	30 Tools (40 Tools Opt.)
型式	Type	Arm Type
最大刀具直徑	Max. tool dimension	75 mm
(鄰近無刀具直徑)		
最大刀具長度	Max. tool length	180 mm
刀具最大重量	Max. tool weight	7 kg
馬達	Motor	
主軸馬達(連續/30分鐘額定)	Spindle drive motor	7.5 / 11 kw
X1/X2/Y/Z/A/B 軸伺服馬達	Servor drive motor(X1/X2/Y/Z/A/B)	4.0 / 4.0 / 4.0 / 3.0 / 1.6 / 1.6 kw
電力需求	Power consumption	35 KVA
機械規格	Machine Size	
機械尺寸(長×寬×高)	Dimension (L x W x H)	3050 × 2250 × 2200 mm
機械重量	Weight	8800 kg

標準配備

- ★ 三菱M80A/發那科0iMF控制器
- ★ 全密閉外罩钣金
- ★ 軸向滑道護蓋
- ★ 滾珠螺桿螺帽冷卻
- ★ 主軸冷卻系統
- ★ 鐵屑輸送機含鐵屑車
- ★ 自動潤滑系統(Grease)
- ★ 工作燈、警示燈、工具箱
- ★ 地基螺栓極墊塊
- ★ 移動式 M.P.G.
- ★ M30 自動斷電功能
- ★ 使用說明書

STANDARD ACCESSORIES

- ★ CNC Mitsubishi M80A/ Fanuc 0iMF
- ★ Fully enclosed splash guard
- ★ All axes guide-way cover
- ★ Nut screw coolant device in the ball-screw
- ★ Spindle cooling system
- ★ Chip conveyor with cart
- ★ Auto lubrication system(Grease)
- ★ Work lamp, Alarm lamp, Tool box
- ★ Leveling bolts and pad
- ★ Portable M.P.G.
- ★ Auto power off (M30)
- ★ Machine manuals

選購配備

- ★ CNC 控制器
三菱 / 發那科 / 西門子 / 海德漢
- ★ 刀長量測系統
- ★ 工件量測系統
- ★ 光學回饋尺
- ★ 主軸中心出水系統
- ★ 油霧回收裝置
- ★ 冷氣型熱交換器
- ★ 刀臂式刀庫40支刀
- ★ 變壓器 220V-380V-440V

OPTIONAL ACCESSORIES

- ★ CNC controller
Mitsubishi / Fanuc / Siemens / Heidenhain
- ★ Tool Length Measurement
- ★ Workpiece Measurement
- ★ Linear scale feedback
- ★ Coolant through spindle
- ★ Oil Demister system
- ★ Air cooled heat exchanger
- ★ 40 ATC (Arm Type)
- ★ Transformer 220V-380V-440V

* 尺寸規格如有變動，恕不另行通知。 All specification are subject to change without prior notice.



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