

VERTICAL MACHINING CENTER

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JEENXI TECHNOLOGY CO., LTD.



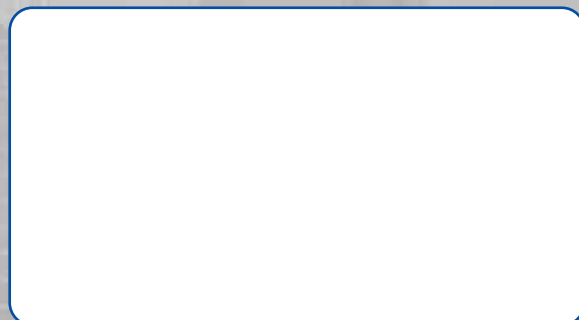
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**JHV-550
JHV-550APC**
Linear Guideway Series
線軌系列

晶禧科技股份有限公司
JEENXI TECHNOLOGY CO., LTD.

台中市南屯區工業區20路46號
No. 46, 20 Road, Taichung Industrial Park,
Nantun District, Taichung 40850, Taiwan
TEL: +886-4-2359-7868
FAX: +886-4-2359-7100
E-mail: jx@jeenxi.com.tw
www.jeenxi.com.tw

Agent:



VERTICAL MACHINING CENTER

JHV-550

X 軸 550 mm

Y 軸 400 mm

Z 軸 460 mm

- 頭部設有主軸吹氣裝置並且搭配主軸冷卻機，降低主軸因高速運轉產生之熱能，確保主軸精度延長主軸壽命。
- 主結構鑄件採用高品質米漢納鑄鐵，經熱處理消除內應力，組織穩定，保持最佳剛性及精度持久性。
- 簡約結構設計，佔地面積小。
- Headstock with spindle air blast system, also machine install spindle oil cooling device as standard to eliminate heat caused by spindle high speed rotation, ensure spindle accuracy and life lasting.
- The machine structure is constructed from high quality Meehanite cast iron and stress released to ensure great rigidity and prolonged precision.
- Compacted and simplified machine structure for space saving.



Machine Dimensions 機械外觀尺寸

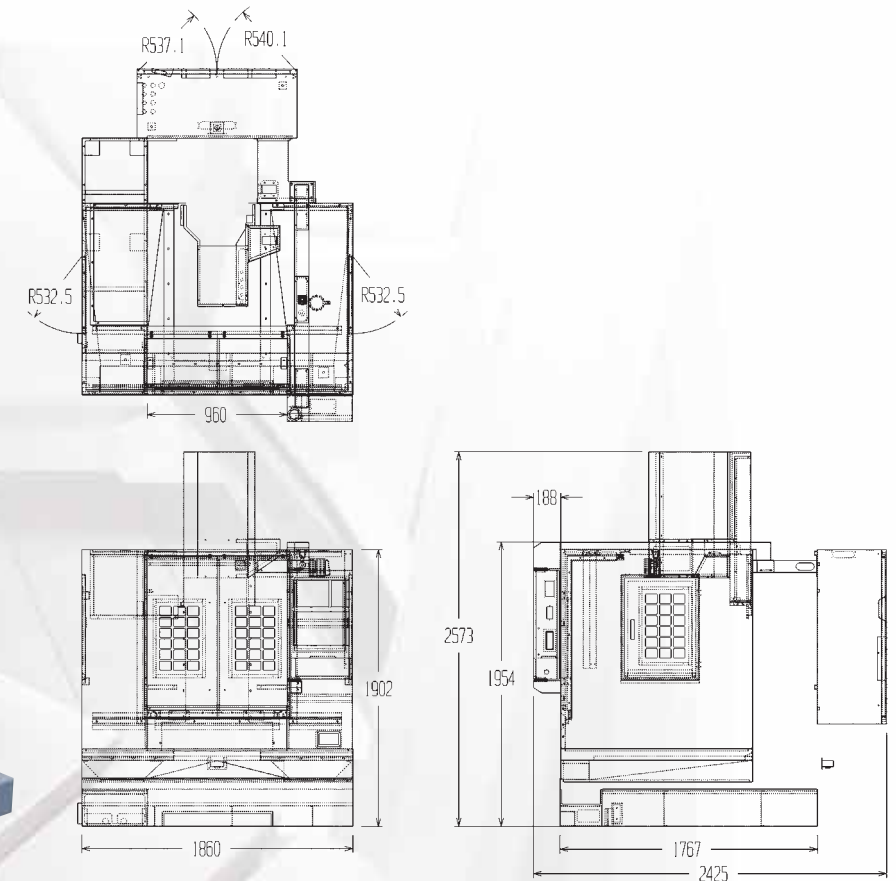
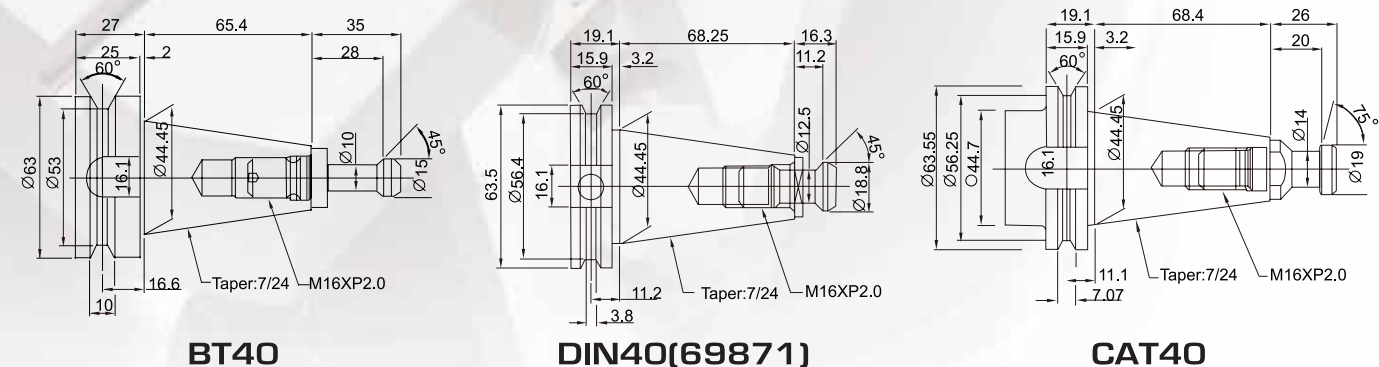


Table Size 工作台尺寸



Tooling System 刀桿尺寸



(單位:mm)

JHV-550 APC

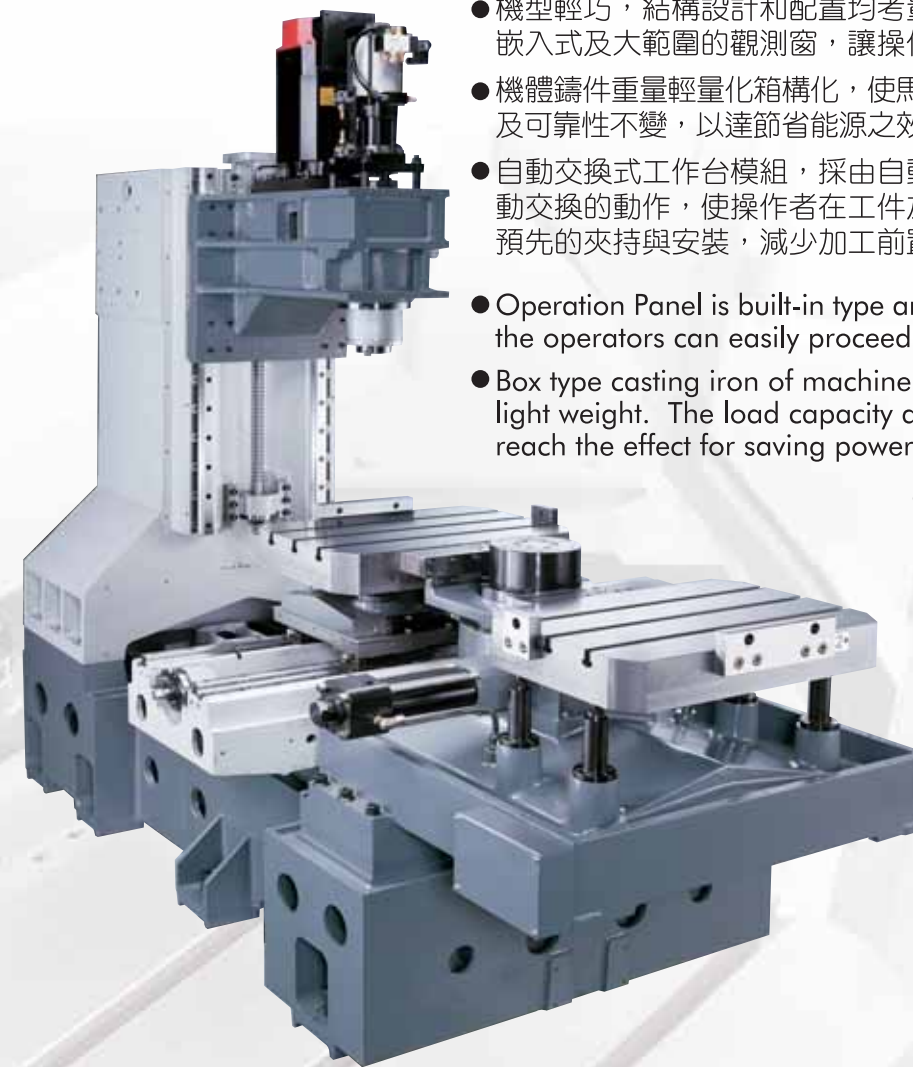
X 軸 550 mm
Y 軸 400 mm
Z 軸 350 mm

現代機械加工，產品設計訴求朝向少量多樣化的發展，同時追求單位時間產能的提升，以期提升加工精度、增加生產效能、降低人力浪費。

JHV-550APC(Automatic Pallet Change System) 立式切削中心機自動交換式工作台模組，採用自動交換式工作台設計，使操作者在工件加工的同時，能對下一件待加工件做預先的夾持與安裝，減少加工前置作業所耗費的時間；不僅能維持加工精度，且提升加工作業經濟效能和效率，大幅降低加工業者加工成本，提升獲利率以及市場競爭力。

Innovation Technology:

- I. Operator can install and align workpiece on standby working table before machining accomplish. When previous one is done, APC will exchange finished piece and ready pieces automatically and proceed machining immediately.
- II. You can use the free time while machining to clean chips of finished piece and install next ready piece.
- III. The above procedures save suspending time of waiting to increase production efficiency. It also can prevent accident and quality abnormal happened because workers operate hastily.



- 機型輕巧，結構設計和配置均考量操作者姿勢、位置；操作面板採用嵌入式及大範圍的觀測窗，讓操作者有絕佳的視野及安全性。
- 機體鑄件重量輕量化箱構化，使馬達負載降低而工件的載重不變、精度及可靠性不變，以達節省能源之效果。
- 自動交換式工作台模組，採由自動交換式工作台設計，以達到工件自動交換的動作，使操作者在工件加工的同時，能對下一件待加工件做預先的夾持與安裝，減少加工前置作業所耗費的時間。
- Operation Panel is built-in type and a fine view of observation widows, the operators can easily proceed the inspection and operation.
- Box type casting iron of machine body to reach the max. rigidity with light weight. The load capacity and precision remain the same and reach the effect for saving power requirement of motors.

- Machine adapt with Auto Pallet Changers Module to exchange workpiece automatically. Operator is able to pre-load and clamping next workpiece while previous piece is machining, it increase economic efficiency.



APC 自動式檔門

A、B工作台中間以檔門間隔，有防水及防屑功能，於APC交換時以油壓缸裝置控制，自動開啟、關閉。

Auto Shield Door for APC

The Shield Door between A, B table for water-proof and chip-proof functions. It can be open / close automatically control by hydraulic cylinder



自動交換工作台

A、B工作台經由油壓箱驅動，可順時鐘/逆時鐘方向旋轉，快速完成位置交換。

Auto Pallet Changers

A, B Table driving by oil tank to rotate in CW / CCW directions, complete the table exchange swiftly.



APC 檔門沖屑裝置

旋轉工作台前，檔門沖屑裝置會自動啟動，清除鍵槽內鐵屑，以方便自動工作台定位、夾緊。

Coolant Flush Device for APC Shield

Coolant flush will be activated automatically before APC exchange to clean chips and enable APC for orientation and clamping.

Specifications

型號	MODEL	UNIT	JHV-550
X 軸行程	X axis travel	mm	550
Y 軸行程	Y axis travel	mm	400
Z 軸行程	Z axis travel	mm	460
主軸鼻端至工作台面	Spindle nose to table top	mm	120-580
主軸中心至立柱滑道面距離	Spindle center to column surface	mm	510
工作台尺寸	Work table size	mm	650 x 410
T 型槽寬(寬×槽數×間距)	T-slot	mm	14 x 3 x 100
工作台最大載重量	Max. work table load	kgs	250
主軸端孔斜度	Spindle taper		BT-40
主軸最高轉速	Spindle speed	rpm	8000
主軸馬力	Spindle motor	kw	5.5 / 7.5
三軸伺服馬達 (X, Y, Z)	X/Y/Z axes servo motor	kw	1.2 / 1.2 / 1.8
X軸滑軌跨距	Distance between X axis guideway	mm	240
Y軸滑軌跨距	Distance between Y axis guideway	mm	464
Z軸滑軌跨距	Distance between Z axis guideway	mm	320
三軸滑軌寬度	Width of X/Y/Z axis guideway	mm	30 / 35 / 35
螺桿 (X, Y, Z)	3 axis ballscrews	mm	32 / 32 / 32
快速位移 (X, Y, Z)	X/Y/Z axis rapid traverse	m/min	30 / 30 / 24
切削位移速度	X/Y/Z axis cutting feed	m/min	10
刀具數量	ATC tool storage capacity	pcs	16 (std.) / 20 / 24
刀具重量	Max. tool weight	kgs	7
最大刀長	Max. tool length	mm	250
最大刀直徑	Max. tool diameter	mm	80
氣壓源	Air supply	kgs/cm²	6
佔地面積 (長×寬×高)	Floor space (L x W x H)	mm	1900 x 2450 x 2600
機械重量	Machine weight	kgs	3400

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

標準配備

- 全罩式鈹金護罩
 - Fanuc 0i-MD 控制器
 - 主軸轉速8000rpm (BT40)
 - 日內瓦式刀庫16把刀 (JHV-550)
 - 刀臂式刀庫24把刀 (JHV-550APC)
 - 剛性攻牙
 - 主軸油冷裝置
 - 主軸吹氣裝置
 - 切削冷卻系統
- 自動潤滑系統
 - 熱交換器
 - RS232介面
 - 三色警示燈
 - 三軸伸縮護蓋
 - 工作燈
 - 工具箱
 - 抽屜式水箱

Standard Accessories:

- Full enclosed guarding
- Fanuc 0i-MD controller
- Spindle speed 8000rpm (BT40)
- Armless type ATC 16-tools (JHV-550)
- Arm type ATC 24-tools (JHV-550APC)
- Rigid tapping
- Spindle oil cooling device
- Spindle air blast
- Cutting coolant system

型號	MODEL	UNIT	JHV-550APC
X 軸行程	X axis travel	mm	550
Y 軸行程	Y axis travel	mm	400
Z 軸行程	Z axis travel	mm	350
主軸鼻端至工作台面	Spindle nose to table top	mm	100-450
主軸中心至立柱滑道面距離	Spindle center to column surface	mm	510
自動交換工作台尺寸	Work table size	mm	600 x 400
工作台交換時間	Pallet exchange time	sec.	7
工作台交換方式	Pallet exchange method		180° changing (rotary)
工作台最大載重量	Max. work table load	kgs	200 x 2
主軸端孔斜度	Spindle taper		BT-40
主軸最高轉速	Spindle speed	rpm	8000
主軸馬力	Spindle motor	kw	5.5 / 7.5
三軸伺服馬達 (X, Y, Z)	X/Y/Z axes servo motor	kw	1.2 / 1.2 / 1.8
X軸滑軌跨距	Distance between X axis guideway	mm	240
Y軸滑軌跨距	Distance between Y axis guideway	mm	464
Z軸滑軌跨距	Distance between Z axis guideway	mm	320
三軸滑軌寬度	Width of X/Y/Z axis guideway	mm	30 / 35 / 35
螺桿 (X, Y, Z)	3 axis ballscrews	mm	32 / 32 / 32
快速位移 (X, Y, Z)	X/Y/Z axis rapid traverse	m/min	30 / 30 / 24
切削位移速度	X/Y/Z axis cutting feed	m/min	10
刀具數量	ATC tool storage capacity	pcs	24 (std.)
刀具重量	Max. tool weight	kgs	7
最大刀長	Max. tool length	mm	200
最大刀直徑	Max. tool diameter	mm	80
氣壓源	Air supply	kgs/cm²	6
佔地面積 (長×寬×高)	Floor space (L x W x H)	mm	2000 x 2960 x 2600
機械重量	Machine weight	kgs	3750

選購配備

- Fanuc 18i-MB controller
- 刀臂式刀庫24 把刀
- 皮帶式主軸10000/12000rpm
- 直結式主軸12000/15000rpm
- 後沖水
- 主軸環狀噴水 (限刀臂式刀庫)
- 主軸中心出水
- 履帶式鐵屑輸送機
- 第四軸旋轉工作台
- 變壓器
- CE Mark

Optional Accessories:

- Fanuc 18i-MB controller
- Arm type ATC 24-tools
- Spindle speed 10000/12000rpm, belt type
- Spindle speed 12000/15000rpm, direct drive
- Coolant flush device
- Spindle splash ring (for Arm ATC only)
- Coolant through spindle
- Chain type Chip conveyor
- CNC rotary table
- Transformer
- CE Mark