

機台規格 Specifications		KL-1078
主軸 Spindle	主軸鼻端型式 Spindle Nose	A2-8
	主軸通孔直徑 Spindle Bore Thru Dia.	Ø 92 mm
	三爪夾頭直徑 Chuck Size of 3-Jaw Dia.	10" / Ø 254 mm
	主軸中心高度 Spindle Center Height to Floor	960 mm
	主軸中心至前門距離 Spindle Center Dist. to Front Door	430 mm
	拉桿作動型式 Draw Bar Clamping	油壓 Hydraulic
加工範圍 Machining Capacity	最大旋徑 Swing Over Way Covers (Dia.)	Ø 650 mm
	最大加工工件長度 Max. Turning Length	750 mm
	最大加工工件直徑 Max. Machining Dia.	Ø 400 mm
	最大拉桿通孔直徑 Through Draw Tube Capacity	Ø 78 mm
X/Z軸移動 X, Z Axis Travel	X軸行程 X Axis Travel	240 mm
	Z軸行程 Z Axis Travel	750 mm
	X/Z軸快速移動率 X/Z Axis Rapid Traverse	15 m/min
機械精度 Mechanical Accuracy	X/Z軸定位精度(全行程) X/Z Axis Positioning (Full Travel)	± 0.005 mm
	X/Z軸重複精度 X/Z Axis Repeatability	± 0.003 mm
FANUC 伺服馬達 FANUC Motors	主軸馬達 Spindle Motor	15/18.5 kW (20.1/24.8 HP)
	主軸最高轉速 Max. Speed	3000 rpm
	X軸伺服馬達 X Axis Servo Motor	4.0 kW (5.4 HP)
	Z軸伺服馬達 Z Axis Servo Motor	4.0 kW (5.4 HP)
刀塔 Turret	刀塔驅動 Turret Drive	油壓馬達 Hydraulic Motor
	刀塔數目 Number of Stations (Standard)	12T
	四方刀座規格 Square Shank Size	25 mm
	鏢刀座規格 Milling Tool Base Size	40 mm
	相鄰刀具換刀(T-T) Index Time Next Station (T-T)	0.32 sec.
	頂心規格 Morse Taper Center	MT NO.5
可程式尾座 Fully Programmable Tailstock	尾座行程 Tailstock Travel	615 mm
	最大夾持工件長度 Max. Part Length	720 mm
	快速移動率 Rapid Traverse	6 m/min
機器尺寸 Machine Dimension	長×寬×高 Length x Width x Height	4300 x 1865 x 1780 mm
	重量 Weight	5800 kg
	佔地面積 Floor Area	8 m ²

標準附件 Standard Accessories		KL-1078
FANUC Oi-TD		8.4" 彩色液晶螢幕 8.4" Color LCD
備用輔助M碼3組 3 Additional Spare M-Code		
三爪夾頭及軟爪 3 Jaw Chuck with Soft Jaw		10 inch
四方刀架 Square Tool Rack 25 x 25		2 pcs
鏢刀座 Milling Tool Base Ø40		4 pcs
鏢刀柄套 Milling Tool Holder Cover		8,10,12,16,20,25,32 mm
鑽頭套 Drilling Pin Cover		MT 2, 3, 4
防水鹵素工作燈 Waterproof Halogen Work Lamp		
夾頭腳踏開關 Chuck Operation Pedal		
活動頂心 Morse Taper Center		MT NO.5
工具箱 Tool Box		
機台手冊 Operator Manual		

特殊附件 OPTIONAL		KL-1078
伺服刀塔 Vertical Servo Turret	刀塔驅動 Turret Drive	伺服馬達 Servo Motor
	刀塔數目 Turret No. 相鄰刀具換刀(T-T) Index Time Next Station (T-T)	12T 0.03 sec.
動力刀塔 Power Turret	刀塔驅動 Turret Drive	伺服馬達 Servo Motor
	刀塔數目 Turret No. 相鄰刀具換刀(T-T) Index Time Next Station (T-T)	12T 0.04 sec.
鐵屑輸送機 Chip Conveyor	鏈板式 Hinge Type	適合長屑、捲屑 For longer and curled chips
	刮板式 Scraper Type	適合細屑、碎屑 For fine and grain type chips
工件蒐集器 Workpiece Collector		擺臂式 Pendulum
油壓自動中心架 Automatic Steady Rest		油壓 Hydraulic
手動中心架 Manual Steady Rest		手動 Manual
刀具量測 Tool Measurement		手動/自動 Manual/Automatic
自動門 Automatic Sliding Door		氣壓 Pneumatic
油霧收集機 Oil Mist Collecting Device		
油水分離機 Oil and Water Separator		
尾座腳踏開關 Tailstock Pedal		
強電箱冷卻裝置 Electric Cabinet Cooling Equipment		

※註：1.本公司秉持求新求好之精神不斷改善及研發新功能，並保有型錄規格異動權利，若有異動不另行通知，歡迎洽詢。
2.型錄所記載加工尺寸及數據，依加工、環境、刀具條件等不同，實際產生數據可能有所誤差。

※Notice：1.To keep improvement and developing new functions, Kuen Jeng reserves the rights to change specifications without further notice.
2.Due to varying cutting conditions, actual results may be greater or less than those listed.



CNC 臥式車床
CNC LATHE

KL-1078



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KUEN JENG

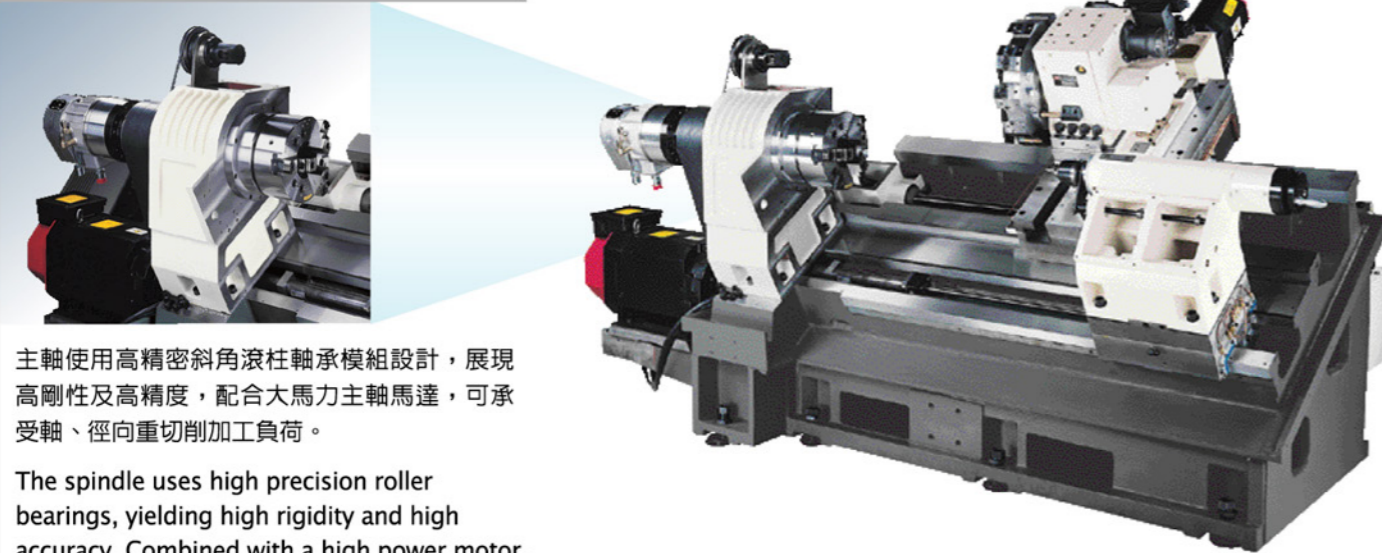
坤鉦機械本著求新設計理念，具備剛性強、重切削、穩定性高的特性，卓越的加工能力，令人讚賞。

Kuen Jeng Machinery brings it all together. Rigidity and reliability in machine design for heavy duty processing. The results are simply brilliant.

整體結構 Main Structure

- 所有結構均以米漢納鑄鐵，床身內部強化筋肋設計，加強整體床身剛性結構、除屑順暢。
- 30°斜背式床身一體成形，降低各機構重心，大幅減少加工產生震動，提升整體剛性及穩定性。
- X, Z軸採以方型加寬硬軌，經硬化、精密研磨處理，滑動軌道接觸面均以耐磨滑片(TURCITE®-B)為介面，減少軌道磨損，經刮花處理，軌道接觸面增加，提高加工穩定性。
- X, Z軸滾珠螺桿採以C2與C3等級，降低移動精度誤差。
- Meehanite cast iron construction with internal heavy duty ribbing reduces vibrations and ensures rigidity. Designed for easy chip removal.
- 30° slant bed integrated into the structure, eliminating vibration and promoting overall stability.
- Both X and Z axes employ wider, hardened and precision ground box ways. TURCITE® -B coated guide ways allow greater surface contact, reduce wear and enhance processing stability.
- C2 and C3 class ball screws respectively at X and Z axes reduce vibrations and enhance accuracy.

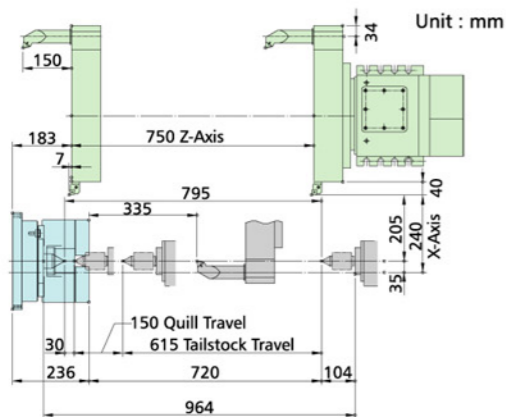
高剛性主軸 Highly Rigid Spindle



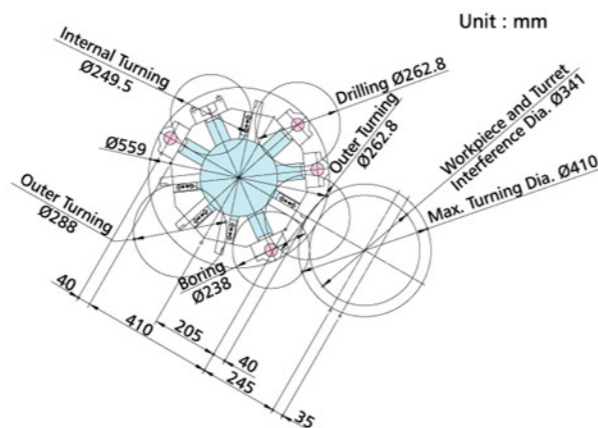
主軸使用高精密斜角滾柱軸承模組設計，展現高剛性及高精度，配合大馬力主軸馬達，可承受軸、徑向重切削加工負荷。

The spindle uses high precision roller bearings, yielding high rigidity and high accuracy. Combined with a high power motor, it stands up to tremendous workloads.

最大加工範圍 Max. Processing Range



10° 三爪夾頭+直立式刀塔加工行程圖
10° 3-Jaw Chuck with Vertical Turret Turning Travel



直立式10支刀刀盤刀具干涉圖
Tool Interference Diagram, Vertical Top Plate



Fanuc Oi-TD

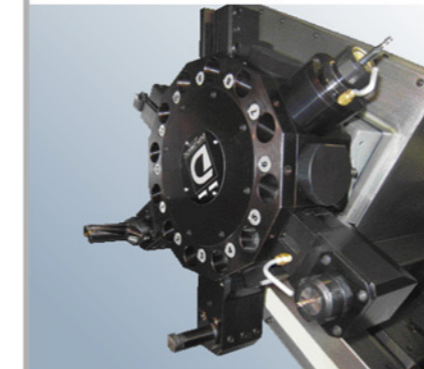
配備8.4"彩色液晶螢幕，記憶體640MB、對話式功能操作、圖形顯示、動態模擬、剛性攻牙、刀具壽命管理，操作簡便易懂。

The controller is equipped with a color LCD screen and 640 MB memory. It is extremely easy to use and offers dynamic simulations, and displays colored graphics. Among the many function are rigid tapping and tool life management.

動力刀塔 Power Turret

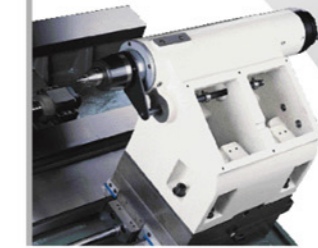
換刀速度快、定位精準，適合重切削加工。車刀柄規格為25 x 25mm、搪孔刀柄為 Ø 40mm。

Suitable for heavy duty turning, the tool changer is fast and the positioning is accurate. It accommodates cutters with 25mm x 25mm shanks or Ø 40mm diameter shanks.



可程式尾座 Programmable Tailstock

高強度尾座本體，可由程式指令控制尾座本體與心軸進、退移動量，操作簡便，頂心錐度為MT. NO.5。



Heavy duty rigid tailstock with MT-5 Morse Taper. Easy to operate. Movement along the Z axis is programmable.

鐵屑輸送機含水箱 Water Tank and Chip Conveyor

可依加工材質，可選用鏈板式或刮板式兩種。

Depending on materials to be processed, the machine can be equipped with either hinge type or scraper type chip conveyors.



外型尺寸圖 Machine Dimensions

