



**Hannsa**  
Precision

#### Quality Assurance

At HANNSA, we ensure that the quality of each machine will meet our customers' requirements. HANNSA machine tools are manufactured by a team of highly skilled technicians. Rigorous inspections and tests are conducted, enabling HANNSA to achieve the highest standards.

#### 品質保證

穎漢保證每一台機器品質都將徹底達到客戶的要求。穎漢機器是由一群專業技術人員精心打造而成。此外，每一台機器均歷經嚴格的檢驗與測試，以達到最高的品質標準。

**THE FIRST NAME OF EFFICIENCY,  
PERFORMANCE AND VALUE**

效率、功能與價值的第一品牌

*CNC Lathe Series*

CNC 車床系列



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Precision

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ISO-9001



Group

**HANNSA YTL/YTB SERIES**  
**CNC LATHE** 穎漢YTL/YTB系列 CNC車床

**Your No.1 Choice of**  
**Highly Efficient Lathe**

提升效能的首選機種

The new generation YTL and YTB Series CNC Lathe is carefully built with HANNSA's tradition of quality excellence. Our objective is to offer economically priced CNC lathes with a high level of performance.

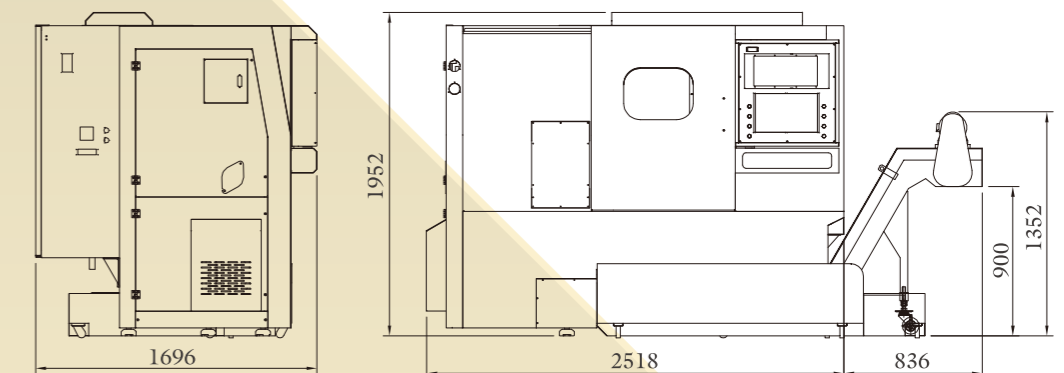
精心打造的穎漢新一代YTL及YTB系列CNC車床，秉持穎漢一貫堅持高品質的傳統。讓客戶以更經濟的價位，享有高效能的CNC車床。

**YTL 線軌系列**

**YTB 硬軌系列**

**Outside Dimensions**

機器尺寸圖





# 45° Slant Saddle 45°斜鞍架

## High Speed Machining

Fully meet Your Expectations for Efficiency

高速加工 滿足您對效率的期許

The YTL/YTB series CNC lathe from HANNSA is designed to enhance higher machining efficiency. Either the slide ways are hardened box type or with linear guide ways, both model's performance is absolutely capable for satisfying your rigorous demand in productivity and accuracy.

以提升加工效率為訴求的穎漢YTL/YTB系列車床，不論是硬軌設計或者搭配高等級線性滑軌，穎漢產品的高功能表現皆能滿足您對於產能及精度的要求。

### HANNSA PRECISION

## Versatile Optional Features

無懈可擊之機器性能



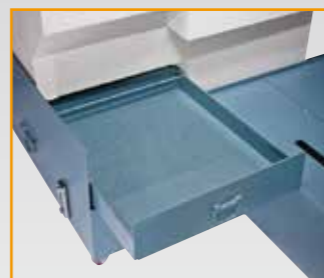
**Hydraulic 3-jaw Chuck**  
油壓三爪夾頭

- Each machine comes with a hydraulic 3-jaw chuck as standard equipment.
- Chuck diameter to be supplied may vary with lathe model.
- 油壓三爪夾頭為標準配件。
- 夾頭尺寸依機型而有所不同。



**High Quality Coupling**  
高品質聯軸器

- The X, Z-axis are directly driven by servo motors through high quality couplings, ensuring smooth and accurate movements of X, Z-axis.
- X, Z軸採用伺服馬達直接驅動，並經由聯軸器傳動，保證X, Z軸移動順暢，精準。



**Chip Plate**  
集屑盤

- The chip tank is large and easy to move for chip removal and cleaning.
- 超大空間屑盤，容易除屑，保持環境潔淨。



**Hydraulic Tailstock**  
油壓尾座

- The tailstock quill is controlled by hydraulic power for convenient positioning.
- The entire tailstock assembly is moved manually or by program (optional).
- 尾座心軸移動採用油壓動力驅動，使定位更方便。
- 整體尾座移動可利用手動方式或程式控制 (選配)。



**Parts Catcher**  
工件捕捉器

- The parts catcher provides convenient and efficient parts collection after parts machining is finished.
- 工件加工完成後，可利用工件捕捉器接料，使收料更方便，更有效率。



**Bar Feeder**  
自動棒材送料機

- With the use of optional bar feeder, more automated machining can be obtained.
- Choice of various specifications of bar feeder to suit customers bar sizes.
- 加裝自動棒材送料機，以達到更自動化的加工作業。
- 多種送料機規格供選擇，以因應客戶之各種棒材尺寸。



**Chain Type Chip Conveyor**  
鏈條式鐵屑輸送機

- The fast efficient chip conveyor delivers chips to a chip bucket out of the machine during machining, which helps to keep the machine interior clean at all times.
- 快速、高效率的鐵屑輸送機，於機器加工中可隨時將鐵屑輸送至機台外之集屑桶，以保持機內之清潔。



**Tool Setter**  
刀具補正器

- The tool setter employs a touch sensor that can measure tool length.
- By using the tool setter, you can reduce the amount of cutting tests.
- 刀具補正器採用接觸式感應器，以量測刀具長度。
- 使用刀具補正器，可節省試切時間。



## C-axis Function (optional)

### C 軸功能 (選配)

- The C-axis function of the spindle allows the machine to perform contour machining.
- Applicable for milling, drilling and tapping operations for flexible machining and increased efficiency.
- Indexing accuracy reaches **20 arc/ sec**.
- 主軸具有C軸功能，可執行輪廓加工。
- C軸功能主要應用於銑削，鑽孔及攻牙加工，提供多用途加工，且提升效率。
- 主軸定位精度可達 **20 arc/ sec**。

### Power Turret (optional) 動力刀塔 (選配)

**The power turret is used together with C-axis function of the spindle to perform milling, drilling and tapping operations.**

動力刀塔配合主軸之C軸功能，適用於銑削、鑽孔、攻牙作業。

#### FEATURES OF POWER TURRET

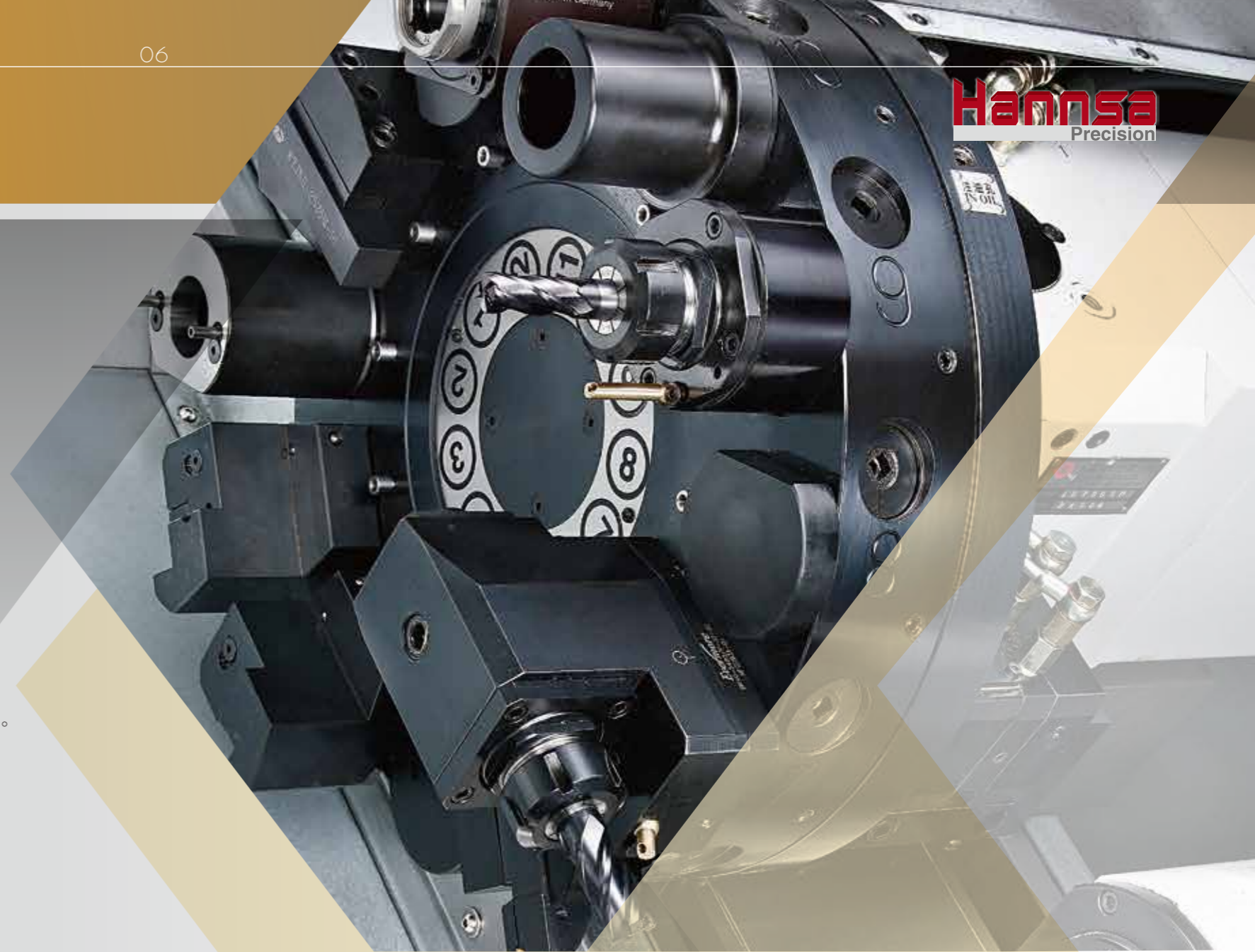
動力刀塔特性：

- Turret rotation and indexing are driven by a special servo motor to achieve fast tool change and high positioning accuracy.
- **Tool holder interface provides convenience and high-speed when changing tool holder.**
- Repeatability accuracy is up to 0.003mm.
- 刀盤旋轉及定位採用特殊伺服馬達驅動，輕鬆展現快速換刀及精準定位。
- **VDI刀座介面可便利且快速更換刀座。**
- 重複精度可達0.003mm。

### C-axis Encoder (optional) C 軸編碼器(選配)

The C-axis is fitted with a high resolution encoder that enables the C-axis to reach high positioning accuracy. This results in high accuracy when performing contour machining.

C軸裝有高解晰度之編碼器，使C軸定位精準。確保輪廓加工之高精度。



### C-axis Brake (optional) C 軸剎車(選配)

The C-axis employs a disc brake to increase the spindle orientation efficiency and accuracy.

C軸採用碟式剎車，有效提升主軸定位之效率與精度。



### High Precision Spindle 精密主軸

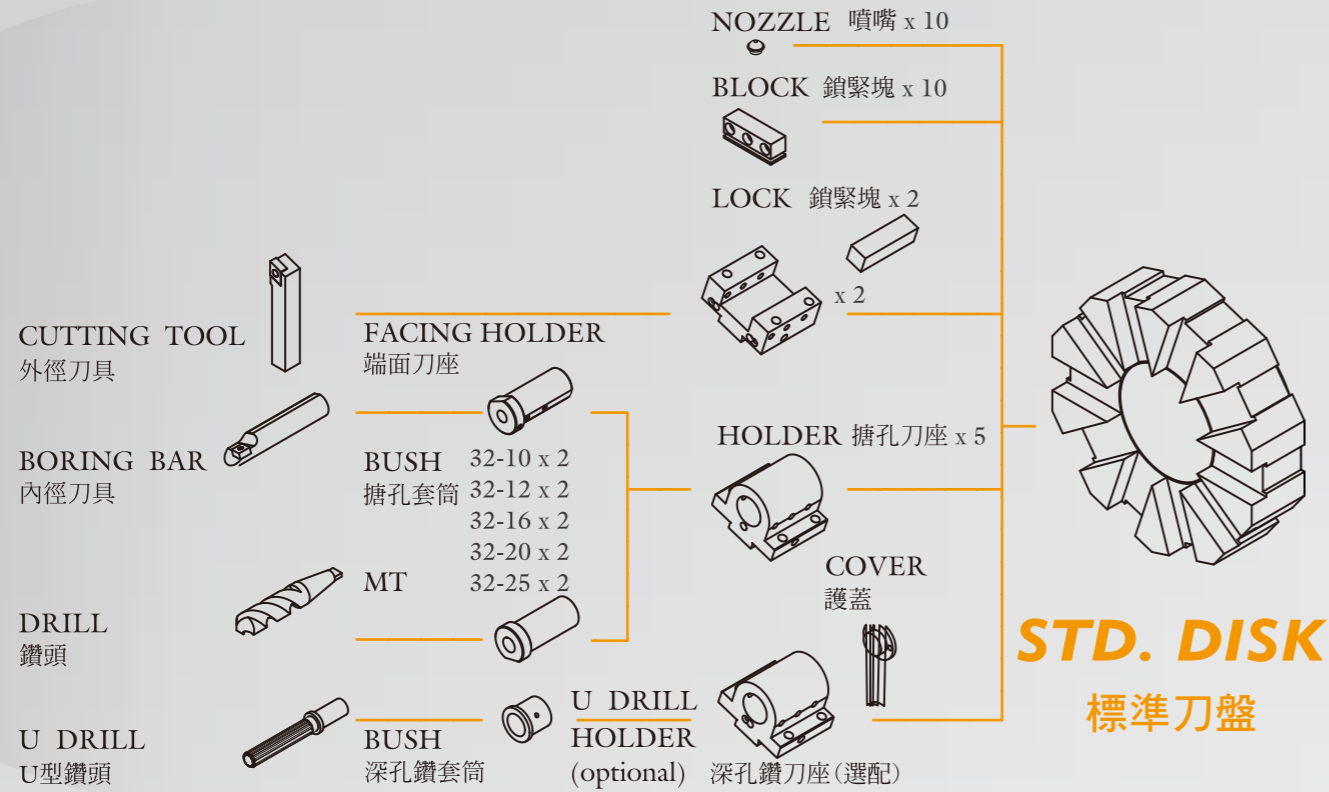
The spindle runs on double-row roller bearings in combination with angular contact bearings. This outstanding bearing arrangement resists radial and thrust load when performing heavy cutting. As a result, the spindle will exhibit excellent stability during cutting.

主軸採用雙列滾柱軸承及斜角滾珠軸承。透過優異的軸承配置，當執行重車削時，主軸可承受更大的徑向及軸向負載。此外，更可確保主軸之最佳穩定性。

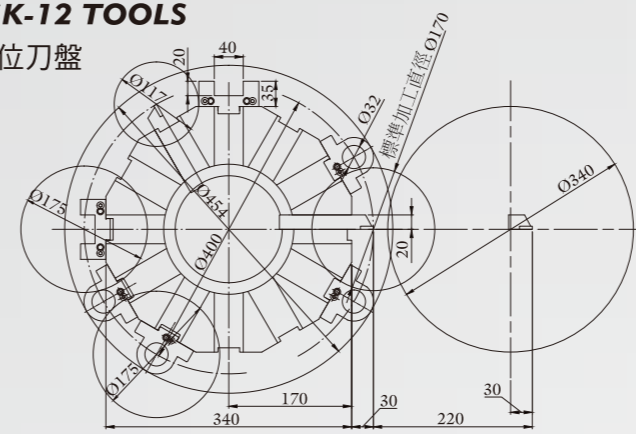


# Wide Range of Options 各種選購配件

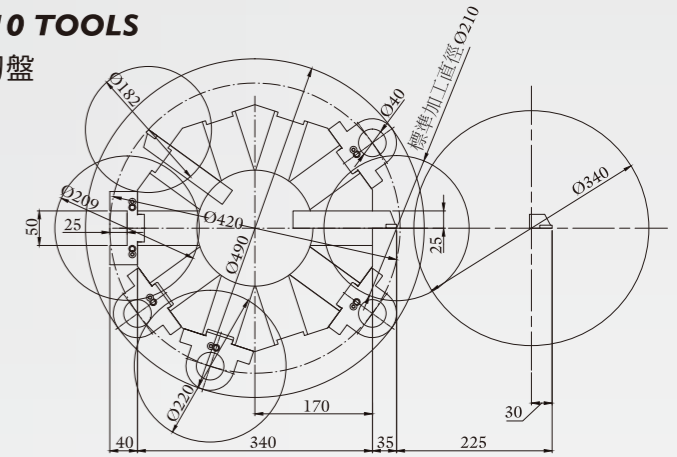
# Tool Interference Diagram 刀具干涉圖



## DISK-12 TOOLS 12 位刀盤

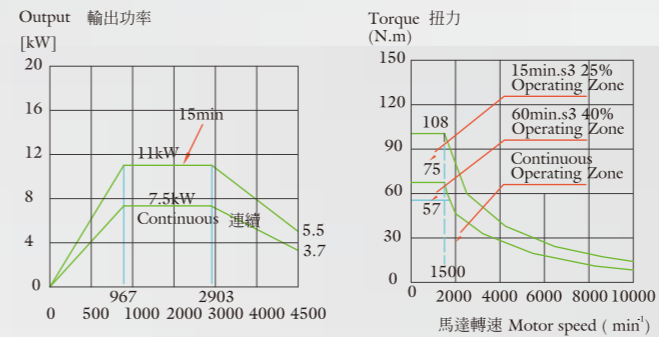


## DISK-10 TOOLS 10 位刀盤

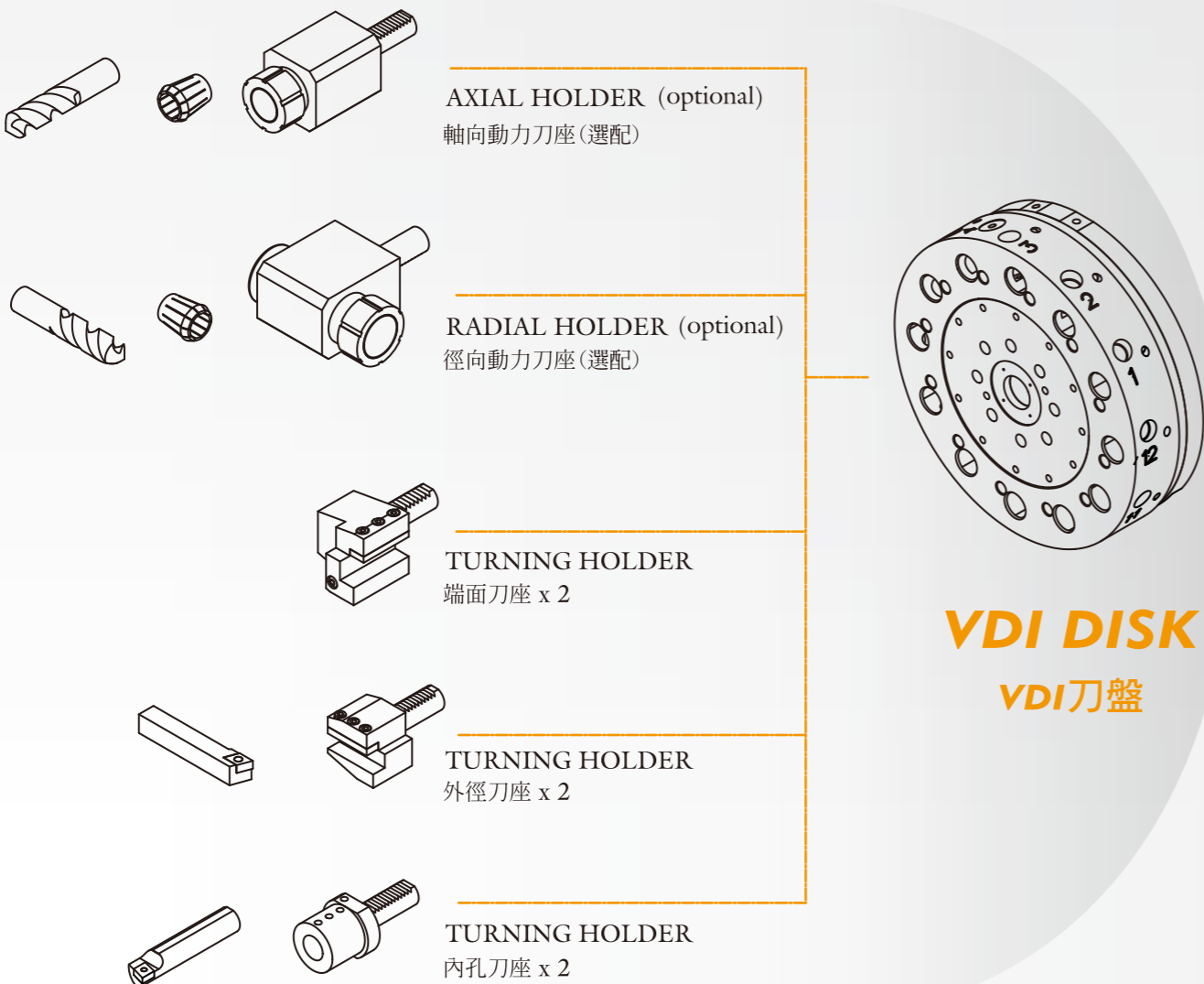
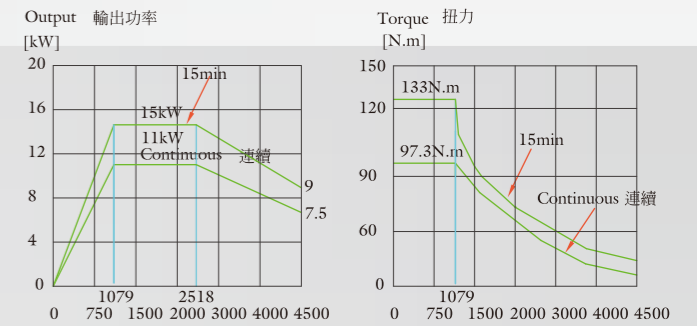


## Power Graph 扭力圖

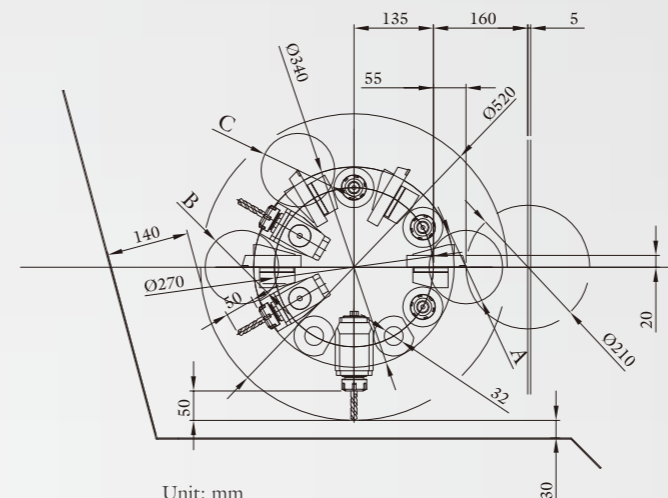
### 7.5/11KW (Standard 標準)



### 11/15KW (Option 選配)

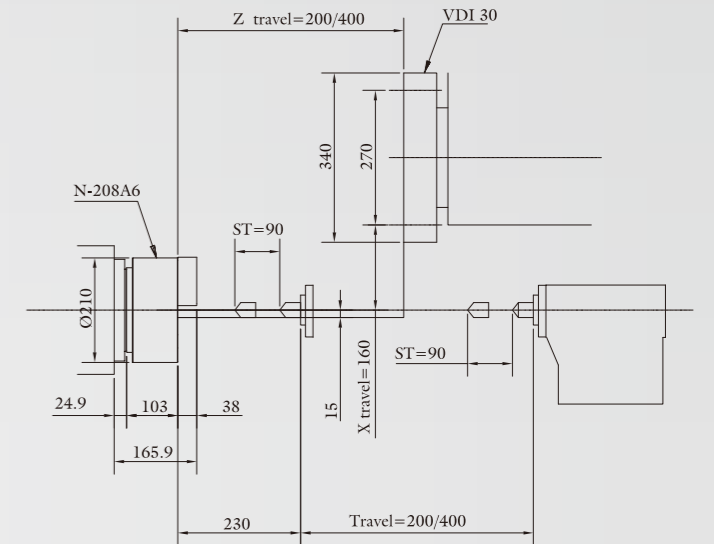


## VDI 30



Unit: mm

	A	B	C
8T	198	198	195
12T	125	125	125





## Specifications 加工尺寸

<b>PALLET</b> 工作台	<b>UNITS</b> 單位	<b>YTB 8540</b>	<b>YTL 8540</b>
<b>MACHINE DIMENSIONS</b> 旋徑			
Swing Over Bed 床面旋徑	mm	Ø 400	Ø 400
Slant Bed 鞍架斜度		45°	45°
Over Cross Dia. 過滑座蓋直徑	mm	Ø 320	Ø 320
Max. Turning Dia. 最大可加工直徑	mm	Ø 320	Ø 320
Max. Work Length 最大可加工長度	mm	540	540
<b>SPINDLE</b> 主軸			
Spindle Drive Motor(cont./30 Min) 主軸馬達規格		7.5 / 11kw (15hp)	7.5 / 11kw (15hp)
Spindle Speed Range 主軸轉速範圍	rpm	4500	4500
Spindle Nose 主軸鼻端		ASA A2-6	ASA A2-6
Chuck Size 夾頭尺寸		8	8
Through Spindle Hole Dia. 主軸通孔徑	mm	62 / 79(opt. 選配)	62 / 79(opt. 選配)
Front Bearing Dia. 主軸前軸承孔	mm	100 / 110(opt. 選配)	100 / 110(opt. 選配)
Spindle Taper 主軸內孔錐度 (Quill Taper)		1/20	1/20
Draw Tube Dia. 拉管通孔	mm	52 / 65(opt. 選配)	52 / 65(opt. 選配)
<b>FEED</b> 進給軸			
Z Axis Travel Z軸行程	mm	540	540
X Axis Travel X軸行程	mm	185	185
Z Axis Motor Z軸馬達規格		1.2KW	1.2KW
X Axis Motor X軸馬達規格 (Brake Included)		1.2KW	1.2KW
Z Axis Rapid Cutting Feed Z軸快速進給	m/min	24	30
X Axis Rapid Cutting Feed X軸快速進給	m/min	24	30
Z Axis Ball Screw Z軸滾珠導螺桿	mm	Ø 32	Ø 32
X Axis Ball Screw X軸滾珠導螺桿	mm	Ø 32	Ø 32
Ball Screw Pitch 滾珠導螺桿螺距	mm	10	10
Guideways 軌道型式		Box Way 硬軌	Linear Way 線軌
<b>TURRET</b> 刀塔			
Turret Type 刀塔形式		STD.Disk	STD.Disk
No. Of Tool Station 刀具數目		10	10
Size Of External Turning Tool 標準外徑刀尺寸	mm	25	25
Boring Bar Dia. 內徑刀尺寸	mm	Ø 32	Ø 32
Disk Thickness 刀盤面厚度	mm	75	75
<b>TAILSTOCK</b> 尾座			
Quill Dia. 尾座心軸直徑	mm	Ø 65	Ø 65
Quill Travel 尾座心軸行程	mm	90	90
Tailstock Travel 尾座本體行程	mm	410	410
Quill Taper 心軸套筒錐度	mm	MT# 4	MT# 4
<b>OTHERS</b> 其他			
Electrical Power Supply 總電力需求	kva	20	20
Coolant Tank Capacity 冷卻水量	liter	200	200
Coolant Flow 冷卻出水量	L/ min	20	20
Coolant Pressure 冷卻水出水壓力	kg/ cm <sup>2</sup>	2/5 (opt. 選配)	2/5 (opt. 選配)
Total Height 機器總高度	mm	1952	1952
Floor Space 佔地面積	mm x mm	3354 x 1696	3354 x 1696
Net Weight 機器重量	kg	4200	4000

● The above specifications are subject to change without prior notice. 以上規格僅供參考，本公司保留修改規格的權力，恕不另行通知

### STANDARD ACCESSORIES 標準配備

- Fanuc 0iTF Controller/發那科 0iTF 控制器
- Fully enclosed splash guard / 全罩式鍍金
- Central automatic lubrication system / 中央自動潤滑系統
- Tools and tool box / 工具及工具箱
- Work lamp / 工作燈
- Tri-colored lamp guard / 三色警示燈
- Cleaning spray gun / 清洗噴槍
- Air gun / 氣槍
- Cooling liquid tank / 冷卻液水箱
- X/Z slide way extension protecting cover / X/Z滑道伸縮護蓋
- Horizontal adjustment block and screw / 水平調整塊及螺絲
- Electrical box heat exchanger / 電氣箱熱交換器
- Automatic shutdown function / 自動斷電功能
- RS-232 transmission interface / RS-232傳輸介面
- Mechanical and electrical instructions / 機械、電氣、操作說明書

<b>PALLET</b> 工作台	<b>UNITS</b> 單位	<b>YTB 8540M</b>	<b>YTL 8540M</b>
<b>MACHINE DIMENSIONS</b> 旋徑			
Swing Over Bed 床面旋徑	mm	Ø 400	Ø 400
Slant Bed 鞍架斜度		45°	45°
Over Cross Dia. 過滑座蓋直徑	mm	Ø 320	Ø 320
Max. Turning Dia. 最大可加工直徑	mm	Ø 320	Ø 320
Max. Work Length 最大可加工長度	mm	400	400
<b>SPINDLE</b> 主軸			
Spindle Drive Motor(cont./30 Min) 主軸馬達規格		7.5 / 11kw (15hp)	7.5 / 11kw (15hp)
Spindle Speed Range 主軸轉速範圍	rpm	4500	4500
Spindle Nose 主軸鼻端		ASA A2-6	ASA A2-6
Chuck Size 夾頭尺寸		8	8
Through Spindle Hole Dia. 主軸通孔徑	mm	62	62
Power Tooling Motor 銑削軸馬達		3.7kw	3.7kw
Power Tooling Speed 銑削軸轉速		A/ 6000 R/ 5000	A/ 6000 R/ 5000
Front Bearing Dia. 主軸前軸承孔	mm	100	100
Spindle Taper 主軸內孔錐度 (Quill Taper)		1/20	1/20
Draw Tube Dia. 拉管通孔	mm	52	52
<b>FEED</b> 進給軸			
Z Axis Travel Z軸行程	mm	400	400
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Ball Screw Pitch 滾珠導螺桿螺距	mm	10	10
Guideways 軌道型式		Box Way 硬軌	Linear Way 線軌
<b>TURRET</b> 刀塔			
Turret Type 刀塔形式		VDI 30	VDI 30
No. Of Tool Station 刀具數目		12	12
Size Of External Turning Tool 標準外徑刀尺寸	mm	20	20
Boring Bar Dia. 內徑刀尺寸	mm	Ø 32	Ø 32
Disk Thickness 刀盤面厚度	mm	75	75
<b>TAILSTOCK</b> 尾座			
Quill Dia. 尾座心軸直徑	mm	Ø 65	Ø 65
Quill Travel 尾座心軸行程	mm	90	90
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Quill Taper 心軸套筒錐度	mm	MT# 4	MT# 4
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Coolant Pressure 冷卻水出水壓力	kg/ cm <sup>2</sup>	2/5 (opt. 選配)	2/5 (opt. 選配)
Total Height 機器總高度	mm	1952	1952
Floor Space 佔地面積	mm x mm	3354 x 1696	3354 x 1696
Net Weight 機器重量	kg	4400	4200

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### OPTIONAL ACCESSORIES 選購配件

- Tool Setter / 刀具補正器
- Chuck clamping & unclamping switch / 主軸夾頭開閉自動偵測
- Oil mist / 油霧吸收器
- Programmable tailstock / 可程式尾座
- Parts catcher / 工件捕捉器
- Bar feeder interface / 自動送料機介面
- Bar feeder / 自動送料機
- Transformer / 變壓器
- Oil Skimmer / 油水分離機
- Chain type chip conveyor / 鏈條式鐵屑輸送機
- Dynamic graphic display / 動態圖形預演