



高精度單主軸動力刀塔車床

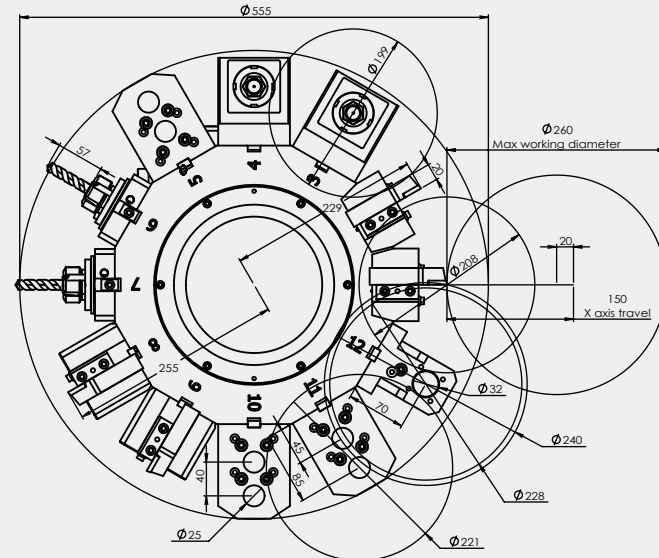
High performance powered servo turret cnc lathe

JW-42B3M

CNC高效率, 高精密自動車床  
CNC High Efficiency, High Precision Lathe



刀具干涉圖 Max. Interference of tools

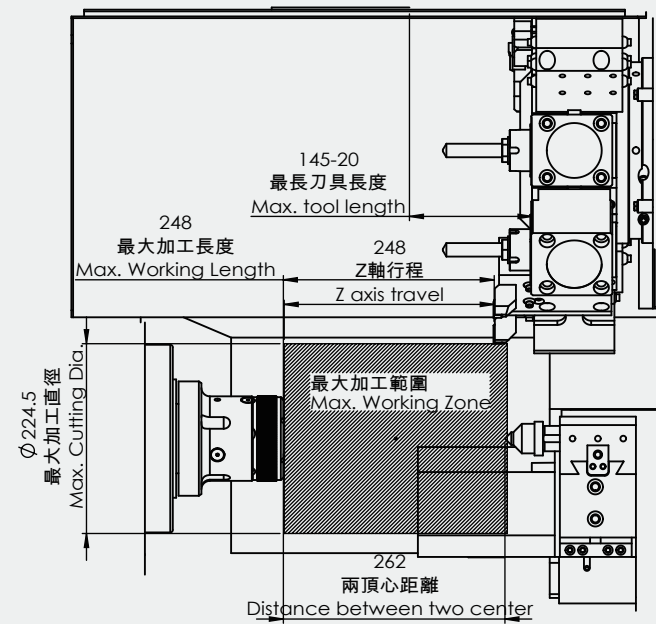


標準配備 Standard accessories

- 10.4吋彩色顯示器
- 筒夾173E型
- 中央潤滑系統
- 冷卻系統
- 油壓單元系統
- 三色警示燈
- 工具箱
- 電器手冊
- 操作手冊
- 成品輸送帶
- 腳踏開關
- 外徑刀架5個
- 內徑刀架3個
- 12T伺服動力刀塔
- 送料機介面
- 全鍍金護罩
- 英文顯示介面
- 成品接料器
- 熱交換器
- 計數完成自動斷電
- 控制器兩年保固
- CS軸及主軸油壓剎車
- 履帶式鐵屑機
- 刀套8,10,12,16,20各兩個
- 機器一年保固

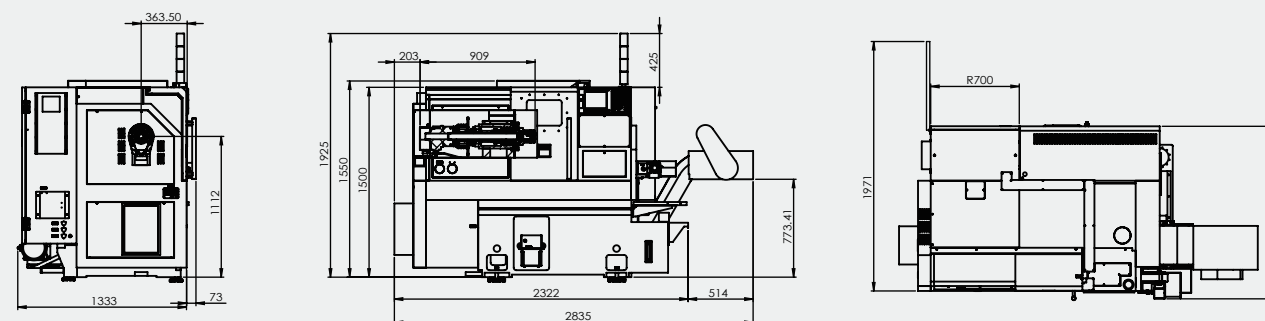
選擇配件 Option accessories

- 高壓冷卻泵浦
- 主軸通孔徑52mm(175E)
- 主軸通孔徑60mm(181E)
- 可程式油壓尾座MT2-2
- 送料機
- CE標準
- 電氣箱冷氣機
- 穩壓器
- 變壓器
- 標準出口包裝
- 軸向動力刀架BMT55-ER32
- 徑向動力刀架BMT55-ER32



項目/機型	Model	JW-42B3M	JW-52B3M	JW-60B3M
加工範圍	Capacity			
床面旋徑	Swing over bed	mm	350	
鞍架旋徑	Swing over carriage	mm	395	
兩頂心間距	Distance between two centers	mm	262	230
最大切削直徑	Max. turning dia.	mm		224.5
標準切削直徑	Std. turning dia.	mm		60
最大加工棒材直徑	Bar capacity	mm	42	52
行程	Travels			
X軸行程	X axis stroke	mm		Dia. 185
Z軸行程	Z axis stroke	mm		248
C軸行程(正主軸)	C axis stroke (Spindle)	deg		360
主軸	Spindle			
最高轉速	Max. spindle speed	rpm	4000	3500
主軸鼻端(筒夾頭)	Spindle nose (Collect chuck)	in	A2-5(173E)	A2-6(175E)
主軸孔徑	Spindle bore	mm	56	62.5
軸承內徑	Bearing inside dia.	mm		100
動力主軸(動力刀塔)	Living tool spindle			
最高轉速	Max. spindle speed	rpm		6000
刀座型式	Turret holder type			VDI30/BMT55
動力主軸馬力	Living tool spindle output	kW		2.2/3.7 (3.7/5.5)
動力主軸轉速	Living tool spindle max. speed	rpm		10000
動力刀架與ER規格	Living tool holder ER type			25
刀架	Turret			
刀架數量	No. of tools	no.	12	
外徑刀柄尺寸	Tool shank size	mm		20/19.05(3/4)"*
最大內徑刀柄徑	Max. boring bar dia.	mm		25/25.4(1")*
換刀時間(T-T)	Exchange time (T-T)	sec		0.15
換刀時間(含刀盤上下時間)	Exchange time (including disk up & down)	sec		0.5
進給	Feedrate			
快速進給	Rapid feedrate	m/min		18/24
切削進給	JOG feedrate	mm/min		6000
馬達	Motor			
主軸馬達	Spindle motor (cont./30min)	kW		5.5/7.5 / 9/11*
刀塔馬達	Turret servo motor	kW		1.2
伺服馬達	Feed servo motor	kW		1.8/1.8
切削水系統	Coolant			
水箱容量	Tank capacity	L		150
控制器	Controller			
FANUC/MITSUBISHI	FANUC/MITSUBISHI			0i-TF(3)/M80(B)
機械	Machine			
電力功率	Power requirement	kVA		20/25*
長X寬X高(含鐵屑輸送帶)	LxWxH (with chip conveyor)	mm		3012x1372x1633+425
淨重(含標準配備)	Net weight (incl. std accessories)	kgs		3200

外部尺寸圖 Dimensional drawing(mm)



震唯機械股份有限公司

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Agent

# JW Series

高效率、高精密自動車床  
 • HIGH PRECISION CNC AUTO. LATHE

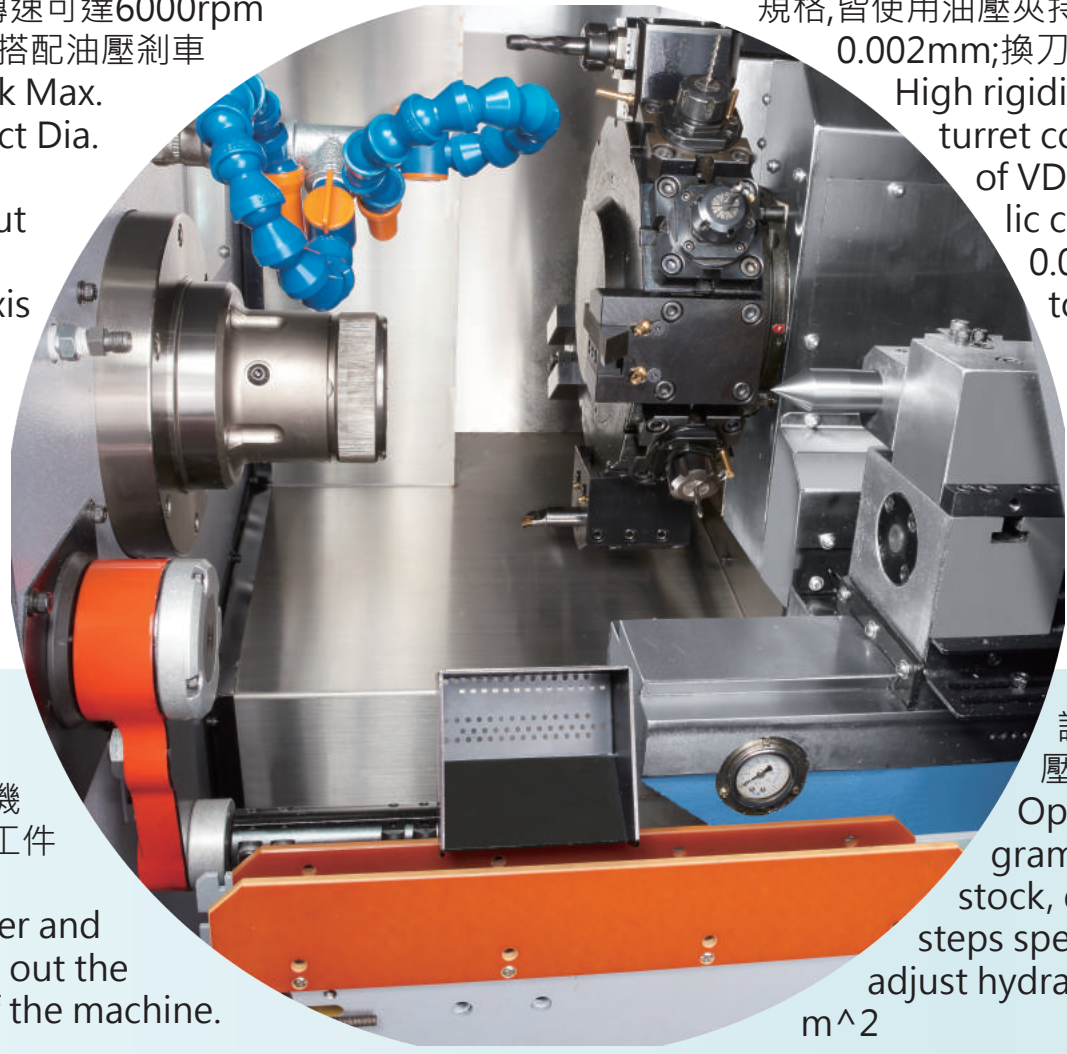
主軸通孔可選用直徑42 · 52 · 60mm  
 輸出馬力10hp 最高轉速可達6000rpm  
 高精度CS軸分度控制搭配油壓剎車  
 Spindle collect chuck Max.  
 Diameter could select Dia.  
 42,52and 60.mm  
 Spindle motor output  
 10hp Max rpm 6000  
 High precision CS axis  
 with hydraulic brake

高剛性動力刀塔可依照需求選用VDI30或BMT55  
 規格,皆使用油壓夾持伺服轉動達到重現精度  
 0.002mm;換刀速度0.2s

High rigidity powered servo  
 turret could select two model  
 of VDI30 or BMT55,Hydrau-  
 lic clamp repeat accuracy  
 0.002mm and Turning  
 tool speed 0.2 seconds

可選配可程式油壓尾座  
 頂心MT2-2兩段式速度  
 調整行程150mm  
 壓力調整5~25kg/cm<sup>2</sup>  
 Optional accessory pro-  
 gramable hydraulic tail  
 stock, driller type MT2-2 two  
 steps speed travel 150mm  
 adjust hydraulic range 5~25kg/c-  
 m<sup>2</sup>

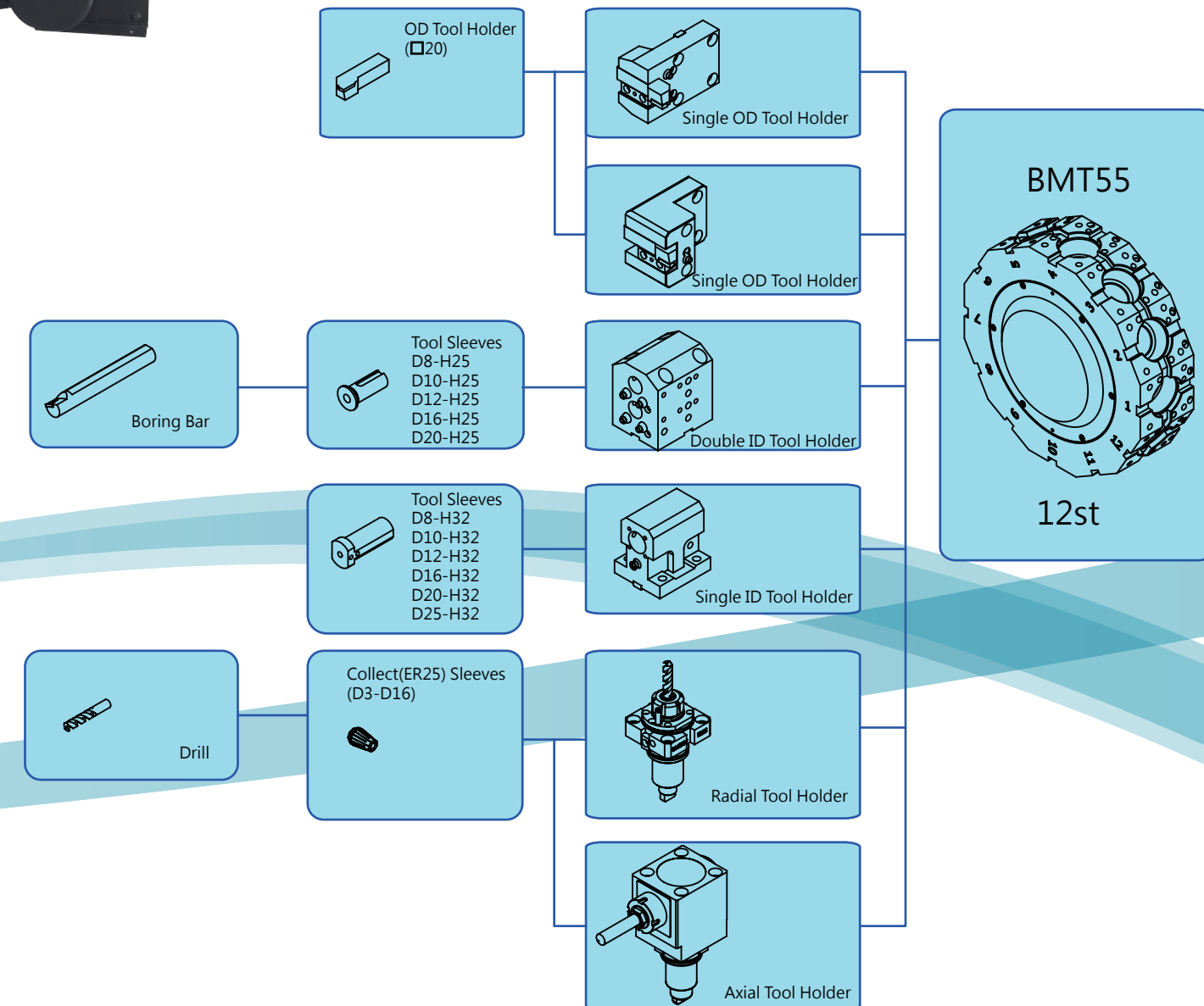
成品接料手臂及輸送機  
 可自動將製作完成的工件  
 送出機械外部  
 Finished parts catcher and  
 conveyor could ship out the  
 finished parts out of the machine.



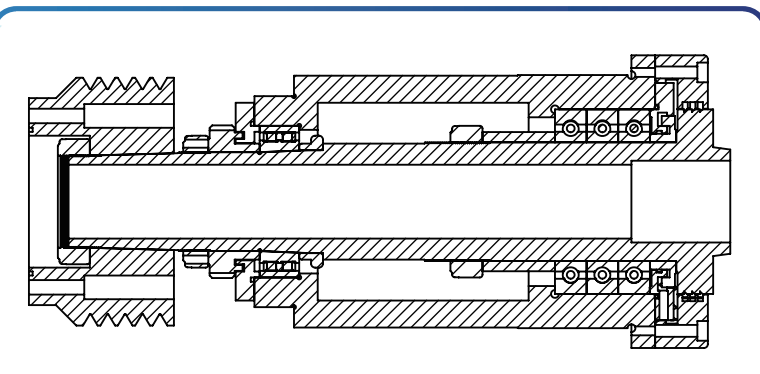
## 本機特性 Features

- 本機機體結構採用符合人體工學設計,操作方便,機身穩固,機電一體,維修簡易。
- 本機水桶一體可增加機械穩定度降低切削時顫動。
- 機械滑板皆使用硬軌結構適用於重切削; X · Z軸馬達1.8kw大馬力輸出。
- The construction fits physical design of human body,easy to operation and maintenance.
- The coolant tank is one body with machine makes machine stable and reduce vibrates.
- All of Axis is box way instruction good for heavy cutting ; X and Z axis motor are 1.8kw.

## 刀具系統圖 Tool system



## 穩定、高速的精密主軸 Stable, high-speed spindle



- 藉由精密軸承的三點支撐,提高主軸的高剛性,減少熱變形的發生,提供高精度的性能。適合做高速精密車削,亦可做低速重切削。
- The high precision spindle is supported by a symmetrical headstock structure to prevent from thermal distortion. Furthermore, with the high rigidity during high-speed operation provided ;by three precise bearings framework, the spindle makes itself ideal for both heavy and precise cutting.

## 扭力曲線圖 Torque Curve

Model Beta il 8/12000 For JW-42B3M Spindle,motor output 1:2 Rapid V belt

