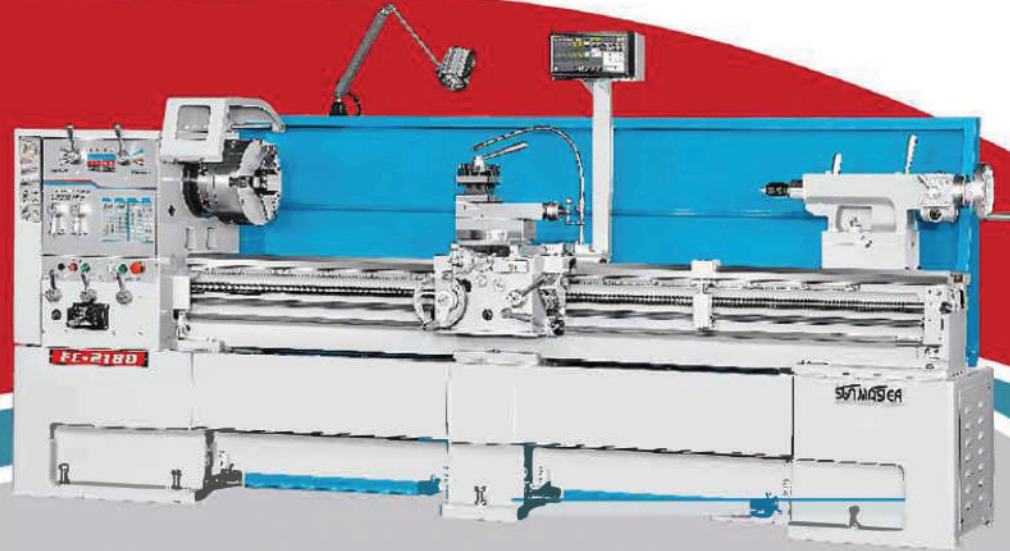


# FC Series



# SUN MASTER

機型 MODEL	FC	1640	1660	1840	1860	1880	2140	2160	2180	
工作能量	Capacity									
中心高度	Height of centers	205 mm (8.07')			231 mm (9.09')			271 mm (10.67')		
床面上旋徑	Swing over bed	410 mm (16.14')			Ø462 mm (18.18')			Ø542 mm (21.34')		
凹口上旋徑	Swing in gap	598 mm (23.54')			Ø650 mm (25.59')			Ø730 mm (28.74')		
橫向滑座上旋徑	Swing over cross slide	255 mm (10.04')			Ø305 mm (12')			Ø387 mm (15.23')		
兩心間距離	Distance between centers	1000 mm (40')	1500 mm (60')	1000 mm (40')	1500 mm (60')	2120 mm (83.46')	1000 mm (40')	1500 mm (60')	2120 mm (83.46')	
床身寬度	Width of bed				320 mm (12.5')					
凹口寬度	Gap width in front of faceplate				195 mm (7.67')					
主軸頭	Headstock and Main Spindle									
主軸鼻端	Spindle nose, internal taper				D1-8 / A1-8 (opt.) Ø85mm Taper 1/19:18					
主軸套筒直徑	Spindle center sleeve				Ø85mm Taper 1/19:18 x MT. No.5					
主軸孔徑	Spindle bore				Ø80 mm (3.149")					
主軸轉速	Spindle speed:				12 steps					
段數 / 速度範圍	Gear steps / Range				A	26	40	60	90	rpm
					B	105	145	205	305	rpm
					C	510	715	1000	1500	rpm
床鞍	Carriage									
橫滑座行程	Cross slide travel	250 mm (9.84')					300 mm (11.81')			
上部刀座行程	Top slide travel				150 mm (5.9')					
螺紋與進給量	Threads and Feeds									
英制螺紋範圍/種類	Whitworth threads: Kinds / Range				45 kinds / 2~72 T.P.I					
公制螺紋範圍/種類	Metric threads: Kinds / Range				39 kinds / 0.2-14 mm					
D.P. 螺紋範圍/種類	D.P. threads: Kinds / Range				21 kinds / 8-44 D.P					
M.P. 螺紋範圍/種類	M.P. threads: Kinds / Range				18 kinds / 0.3-3.5 M.P					
縱向進給量	Longitudinal feed				0.04~1.0 (0.0015"-0.04")					
橫向進給量	Cross feed				0.02~0.5 (0.00075"-0.02")					
尾座	Tailstock									
尾座心軸直徑	Quill diameter	Ø59 mm (2.322')			Ø68 mm (2.677')		Ø59 mm (2.322')	Ø68 mm (2.677')		
尾座心軸行程	Quill travel	127 mm (5')			153 mm (6')		127 mm (5')	153 mm (6')		
尾座套筒直徑	Taper of center				MT. NO. 4					
馬力	Motor				Std. 10 HP (7.5 kW) / Opt. 12.5 HP (9.375 kW)					
主軸馬達	Main spindle				1/8 HP					
冷卻泵浦	Coolant pump									
裝箱尺寸與重量	Measurement									
機台重量	Weight approx. 淨重 Net	1750 kgs	1900 kgs	1800 kgs	1950 kgs	2450 kgs	1850 kgs	2000 kgs	2500 kgs	
包裝尺寸	毛重 Gross	1950 kgs	2150 kgs	2000 kgs	2200 kgs	2850 kgs	2050 kgs	2250 kgs	2850 kgs	
	長度 Length	2400 mm	2900 mm	2400 mm	2900 mm	3700 mm	2400 mm	2900 mm	3700 mm	
	寬度x高度 WidthxHeight	Width 1155 mm (45.5") x Height 1900 mm (74.8")								

規格如有變更，恕不另行通知 Specificat ions subject to change without notice.

### 標準附件

- 10" 夾頭背板
- 固定頂針 MT.5
- 錐鋼固定頂針 MT.4
- 頂針套筒
- 水平墊塊 x 6-8 個
- 工具箱 x 1 組
- 操作手冊 / 零件表

### STANDARD ACCESSORIES

- Back plate for 10" chuck
- Dead center MT.5 made of carbon steel
- 錐鋼固定頂針 MT.4
- Spindle center sleeve
- Ø85mm taper 1/19 18 x MT.5
- Level pads x 6-8 pcs
- Tool set and box
- Operation manual & parts list

### 選擇附件

- 3 爪夾頭 10"
- 4 爪單動夾頭 12"
- 筒夾夾頭
- 筒夾 (3-25mm)
- 驅動盤 10"
- 夾頭安全擋罩
- 油壓仿形裝置
- 刀座安全擋罩
- 斜度附件
- CE 規格電氣元件
- CE 規格導線管理

### OPTIONAL ACCESSORIES

- 3-Jaws scroll 10" chuck
- 4-Jaws independent 12" chuck
- 5C collet closer attachment
- 5C collets (metric or imperial)
- Driving plate with dog 10"
- Chuck safety guard
- Hydraulic copying attachment
- Tool post safety guard
- Taper turning attachment
- Electrical system for CE
- Protect cover on leadscrew for CE
- Steady rest w/ball bearing
- Follow rest w/bronze tip
- Faceplate 14"
- Drill chuck & arbor
- Rotating center MT# 4
- Halogen lamp
- Quick change tool post
- Carriage micro stop set
- Digital read out system
- Full length splash guard



บริษัท สุธอง แมชชีนเนอรี จำกัด  
SUTHONG MACHINERY CO., LTD.

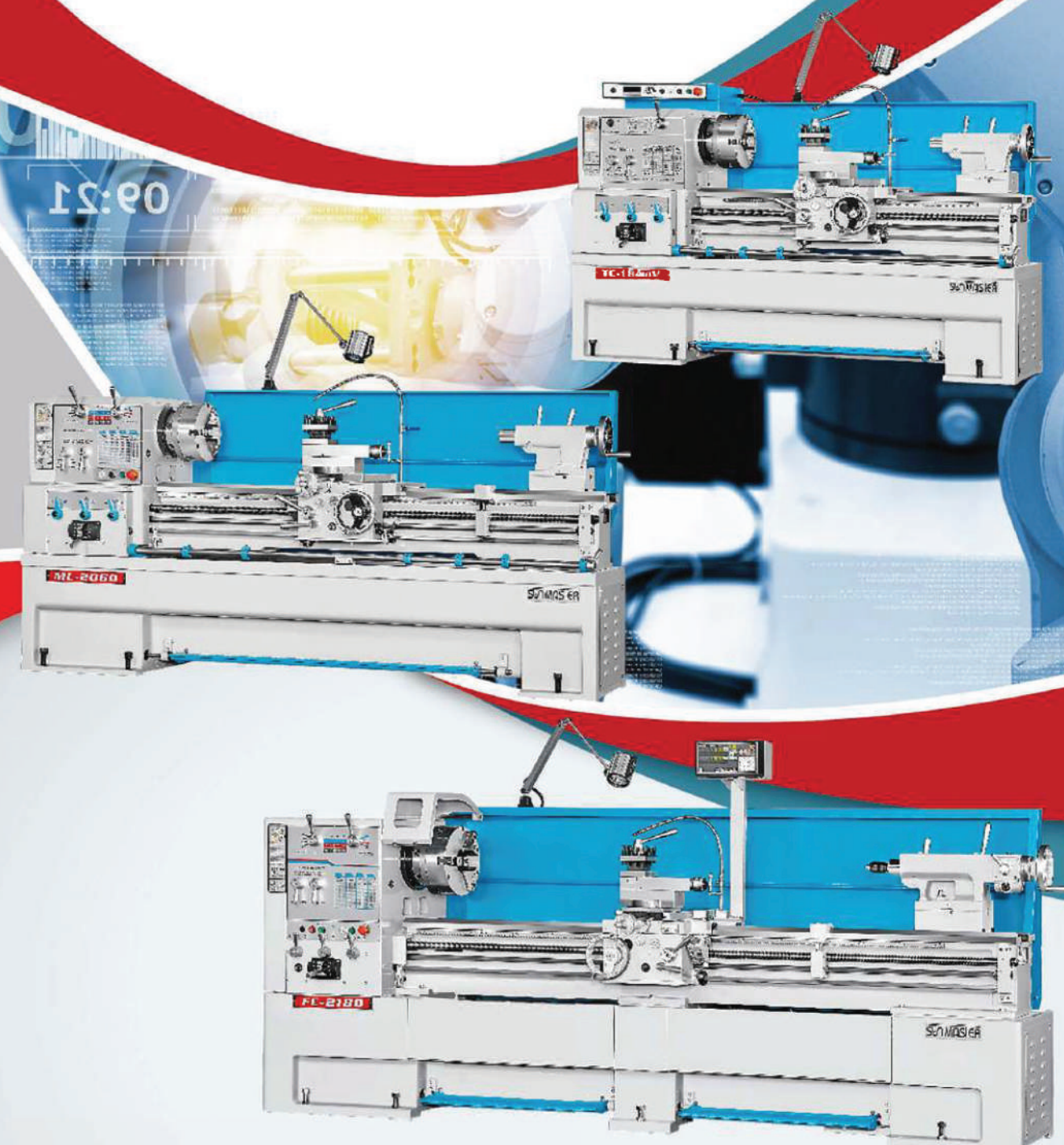
572 ถนนพระรามที่ 2 แขวงสามตา เขตบางขุนเทียน กรุงเทพฯ 10150

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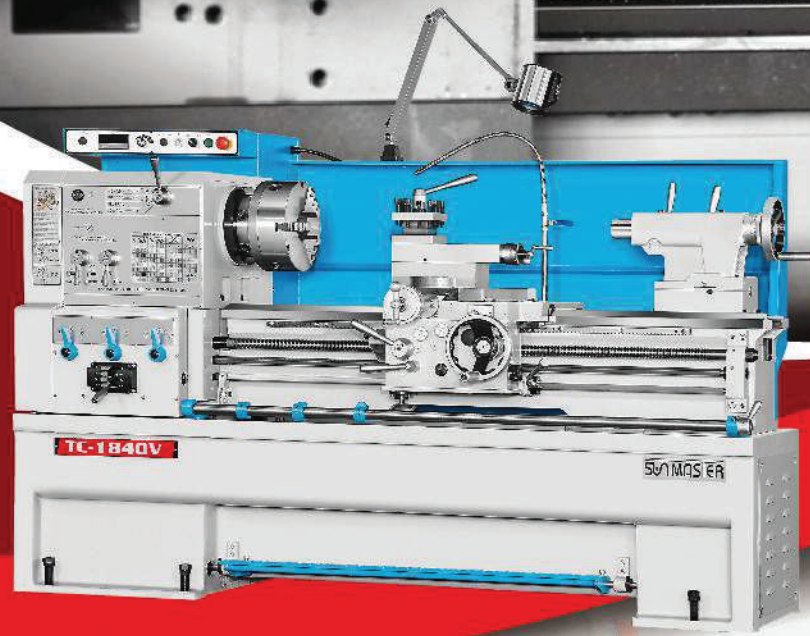
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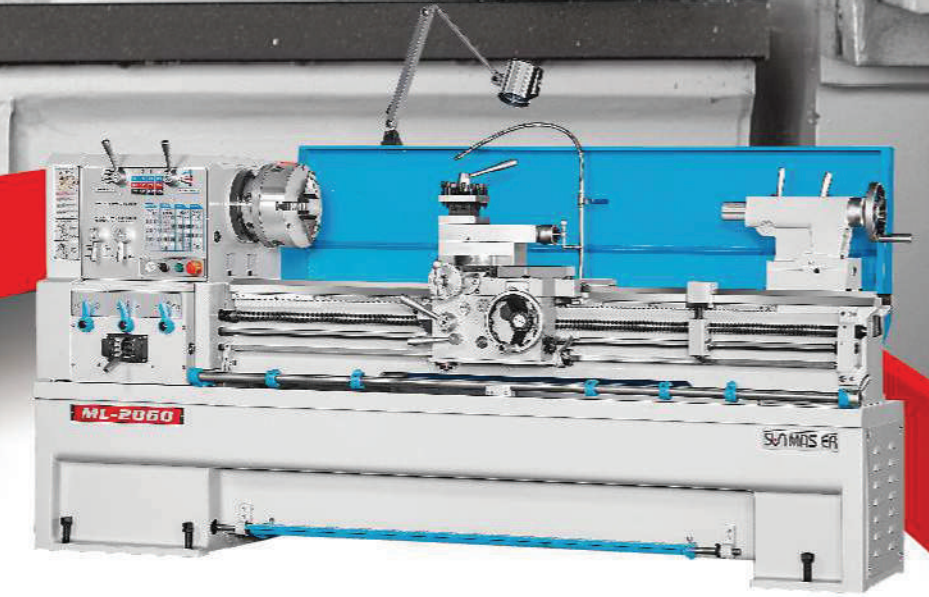
## HIGH SPEED PRECISION LATHE

高速精密車床 TC/ML/FC

# TC Series



# ML Series



機型 MODEL	TC	1640	1660	1840	1860	1640V	1660V	1840V	1860V
<b>工作能量 Capacity</b>									
中心高度 Height of centers		205 mm (8.07')	231 mm (9.09')	205 mm (8.07')	231 mm (9.09')				
床面上旋徑 Swing over bed		ø410 mm (16.14')	ø462 mm (18.18')	ø410 mm (16.14')	ø462 mm (18.18')				
凹口上旋徑 Swing in gap		ø620 mm (24.4')	ø652 mm (25.66')	ø620 mm (24.4')	ø652 mm (27.48')				
橫向滑座上旋徑 Swing over cross slide		ø255 mm (10.04')	ø305 mm (12')	ø255 mm (10.04')	ø305 mm (12')				
兩心間距離 Distance between centers		1000 mm (40')	1500 mm (60')	1000 mm (40')	1500 mm (60')				
床身寬度 Width of bed		305 mm (12')							
凹口寬度 Gap width in front of faceplate		120 mm (4.72')							
<b>主軸頭 Headstock and Main Spindle</b>									
主軸鼻端 Spindle nose, internal taper		D1-6 / A2-6							
主軸套筒錐度 Spindle center sleeve		ø70 mm Taper 1 / 19.18 MT x No.4							
主軸孔徑 Spindle bore		ø65 mm (2.55')							
主軸轉速 Spindle speed:		12 steps / 36-1800 R.P.M.							
段數 / 速度範圍 Gear steps / Range		A 36	50	70	105	3 steps / 30 ~ 2300			
		B 130	180	250	380				
		C 620	900	1200	1800				
<b>床鞍 Carriage</b>									
橫滑座行程 Cross slide travel		250 mm (9.84')	260 (10.23')	250 mm (9.84')	260 (10.23')				
上部刀座行程 Top slide travel		155 mm (6.1')							
<b>螺紋與進給量 Threads and Feeds</b>									
英制螺紋範圍/種類 Whitworth threads: Kinds / Range		45 Kinds / 2-72 T.P.I.							
公制螺紋範圍/種類 Metric threads: Kinds / Range		39 Kinds / 0.2-14 mm							
D.P. 螺桿範圍/種類 D.P. threads: Kinds / Range		21 Kinds / 8-44 D.P.							
M.P. 螺桿範圍/種類 M.P. threads: Kinds / Range		18 Kinds / 0.3-3.5 M.P.							
縱向進給量 Longitudinal feed		0.04-1.0 mm (0.0015"-0.04")							
橫向進給量 Cross feed		0.02-0.5 mm (0.00075"-0.02")							
<b>尾座 Tailstock</b>									
尾座心軸直徑 Quill diameter		ø59 mm (2.322')							
尾座心軸行程 Quill travel		127 mm (5')							
尾座套筒錐度 Taper of center		MT. No.4							
<b>馬力 Motor</b>									
主軸馬達 Main spindle		5 HP				AC 3.7 kw (5HP), Inverter			
主軸強制潤滑 Forced lubrication for headstock						1/4 HP			
冷卻泵 Coolant pump		1/8HP							
<b>裝箱尺寸與重量 Measurement</b>									
機台重量 (淨重/毛重) Weight approx.		淨重 Net 1600 kgs	1750 kgs	1650 kgs	1800 kgs	1600 kgs	1750 kgs	1650 kgs	1800 kgs
		毛重 Gross 1800kgs	2000 kgs	1850 kgs	2050 kgs	1800kgs	2000 kgs	1850 kgs	2050 kgs
包裝尺寸 Packing sizes		長度 Length 2400 mm	2900 mm	2400 mm	2900 mm	2400 mm	2900 mm	2400 mm	2900 mm
		寬度x高度 WidthxHeight	Width 1120 mm (44.1') x Height 1900 mm (74.8')						

規格如有變更，恕不另行通知 Specifications subject to change without notice.

機型 MODEL	ML	1740	1760	1780	2040	2060	2080	1740V	1760V	1780V	2040V	2060V	2080V
<b>工作能量 Capacity</b>													
中心高度 Height of centers		216 mm (8.5')	254 mm (10')	216 mm (8.5')	254 mm (10')								
床面上旋徑 Swing over bed		ø432 mm (17')	ø508 mm (20')	ø432 mm (17')	ø508 mm (20')								
凹口上旋徑 Swing in gap		ø622 mm (24.48')	ø698 mm (27.48')	ø622 mm (24.48')	ø698 mm (27.48')								
橫向滑座上旋徑 Swing over cross slide		ø277 mm (10.9')	ø353 mm (13.89')	ø277 mm (10.9')	ø353 mm (13.89')								
兩心間距離 Distance between centers		1000 mm (40')	1500 mm (60')	2200 mm (86.5')	1000 mm (40')	1500 mm (60')	2200 mm (86.5')	1000 mm (40')	1500 mm (60')	2200 mm (86.5')	1000 mm (40')	1500 mm (60')	2200 mm (86.5')
床身寬度 Width of bed		305 mm (12')											
凹口寬度 Gap width in front of faceplate		195 mm (7.67')											
<b>主軸頭 Headstock and Main Spindle</b>													
主軸鼻端 Spindle nose, internal taper		D1-6, ø85 mm Taper 1/19.18											
主軸套筒錐度 Spindle center sleeve		ø85 mm Taper 1/19.18 x MT. No.5											
主軸孔徑 Spindle bore		ø80 mm (3.149')											
主軸轉速 Spindle speed:		12 steps / 36-1800 R.P.M.											
段數 / 速度範圍 Gear steps / Range		A 36	50	70	105	3 steps / M 125-450 rpm							
		B 130	180	250	380	H 450-2200 rpm							
		C 620	900	1200	1800	Infinitely variable							
<b>床鞍 Carriage</b>													
橫滑座行程 Cross slide travel		235 mm (9.25')	272 mm (10.7')	235 mm (9.25')	272 mm (10.7')								
上部刀座行程 Top slide travel		156 mm (6.1')											
<b>螺紋與進給量 Threads and Feeds</b>													
英制螺紋範圍/種類 Whitworth threads: Kinds / Range		45 Kinds / 2-72 T.P.I.											
公制螺紋範圍/種類 Metric threads: Kinds / Range		39 Kinds / 0.2-14 mm											
D.P. 螺桿範圍/種類 D.P. threads: Kinds / Range		21 Kinds / 8-44 D.P.											
M.P. 螺桿範圍/種類 M.P. threads: Kinds / Range		18 Kinds / 0.3-3.5 M.P.											
縱向進給量 Longitudinal feed		0.04-1.0 mm (0.0015"-0.04")											
橫向進給量 Cross feed		0.02-0.5 mm (0.00075"-0.02")											
<b>尾座 Tailstock</b>													
尾座心軸直徑 Quill diameter		ø59 mm (2.322')											
尾座心軸行程 Quill travel		127 mm (5')											
尾座套筒錐度 Taper of center		MT. No.4											
<b>馬力 Motor</b>													
主軸馬達 Main spindle		7.5 HP				AC 5.5 kw (7.5HP), Inverter							
主軸強制潤滑 Forced lubrication for headstock						1/4 HP							
冷卻泵 Coolant pump		1/8HP											
<b>裝箱尺寸與重量 Measurement</b>													
機台重量 (淨重/毛重) Weight approx.		淨重 Net (kgs) 1700	1850	2375	1750	1900	2425	1700	1850	2375	1750	1900	2425
		毛重 Gross (kgs) 1900	2100	2675	1950	2150	2725	1900	2100	2675	1950	2150	2725
包裝尺寸 Packing sizes		長度 Length	2400 mm (94.5') / 2900 mm (114.2') / 3700 mm (145.7')										
		寬度x高度 WidthxHeight	Width 1155 mm (45.5') x Height 1900 mm (74.8')										

規格如有變更，恕不另行通知 Specifications subject to change without notice.

## 標準附件 STANDARD ACCESSORIES

- 3-爪夾頭 9"
- 固定頂針 MT.4
- 鍍鉻固定頂針 MT.4
- 頂針套筒
- 水平墊塊 x 6 個
- 工具箱 x 1 組
- 操作手冊 / 零件表

## STANDARD ACCESSORIES

- Back plate for 9" chuck
- Dead center MT.4 made of carbon steel
- Dead center MT.4 with carbide tip
- Spindle center sleeve
- Ø85mm taper 1/19.18 x MT.5
- Level pads x 6 pcs
- Tool set and box
- Operation manual & parts list

## 選擇附件 OPTIONAL ACCESSORIES

- 4-爪單動夾頭 10"
- 筒夾夾頭
- 筒夾 (3-25mm)
- 驅動盤 10"
- 夾頭安全護罩
- 油壓仿削裝置
- 刀座安全護罩
- 斜度附件
- CE 規格電器元件
- CE 規格導螺桿護罩

## OPTIONAL ACCESSORIES

- 3-Jaws scroll 9" chuck
- 4-Jaws independent 10" chuck
- 5C collet closer attachment
- 5C collets (metric or imperial)
- Driving plate with dog 10"
- Chuck safety guard
- Hydraulic copying attachment
- Tool post safety guard
- Taper turning attachment
- Electrical system for CE
- Protect cover on leadscrew for CE

## 標準附件 STANDARD ACCESSORIES

- 10" 夾頭背板
- 固定頂針 MT.5
- 鍍鉻固定頂針 MT.4
- 頂針套筒
- 水平墊塊 x 6-8 個
- 工具箱 x 1 組
- 操作手冊 / 零件表

## STANDARD ACCESSORIES

- Back plate for 10" chuck
- Dead center MT.5 made of carbon steel
- Dead center MT.4 with carbide tip
- Spindle center sleeve
- Ø85mm taper 1/19.18 x MT.5
- Level pads x 6-8 pcs
- Tool set and box
- Operation manual & parts list

## 選擇附件 OPTIONAL ACCESSORIES

- 3-爪夾頭 10"
- 4-爪單動夾頭 12"
- 筒夾夾頭
- 筒夾 (3-25mm)
- 驅動盤 10"
- 夾頭安全護罩
- 油壓仿削裝置
- 刀座安全護罩
- 斜度附件
- CE 規格電器元件
- CE 規格導螺桿護罩

## OPTIONAL ACCESSORIES

- 3-Jaws scroll 10" chuck
- 4-Jaws independent 12" chuck
- 5C collet closer attachment
- 5C collets (metric or imperial)
- Driving plate with dog 10"
- Chuck safety guard
- Hydraulic copying attachment
- Tool post safety guard
- Taper turning attachment
- Electrical system for CE
- Protect cover on leadscrew for CE