

■ 機械規格 MACHINE SPECIFICATIONS :

因長期研發，機械設計如有變更恕不另行通知。
We reserve the right to change the above design without prior notification.

項目	ITEMS	UNIT	金鑽 CSL 42-2Y	
			Y1 (第1系列)	Y2 (第2系列)
加工範圍 Working Rang	最大加工外徑	Max. Machining Dia.	ø42mm	ø42mm
	一次開夾最大加工長度	Max. machining length per chucking	280mm	
	最大鑽孔直徑	Max. Drilling Capacity	ø30mm	ø30mm
	最大攻牙外徑	Max. Tapping Capacity	M16	M16
工具系統 Toolong System	外徑刀具數	O.D. Turning Tool	5	
	外徑刀具尺寸	O.D. Turning Tool Dimension	□20X20X120	
	銑銑刀具數	Cross Tool (power — driven tool)	4	
	銑銑刀具尺寸	Cross Tool Dimension	16mm(ER25)	
動力刀塔 Power Turret	銑銑刀具轉速	Cross Tool Speed	200~6000rpm	
	轉塔刀具數量	Power - driven Tool / station		12
	外徑刀具尺寸	O.D. Tool Dimension		□20x20
	內徑刀具尺寸	I.D. Tool Dimension		ø25mm
	外徑刀具數(最多)	Max. O.D turning tool / station		6
	內徑刀具數(最多)	Max. I.D. bore Tool / station		6
	動力刀具尺寸	Power — driven Tool Dimension		16mm(ER25)
主軸 Spindle	徑向動力刀具數(最多)	Max. Radial Mill / Drill Tool / station		12
	軸向動力刀具數(最多)	Max. Axial Mill / Drill tool / station		12
	360度旋轉動力刀具數(最多)	Max. 360° Automatic Rotary Driven Tool / station		4
	主軸內徑	Spindle Hole Dia.	ø42mm	
背主軸 Sub-spindle	主軸轉速	Spindle speed	200~6000rpm	
	背主軸內徑	Sub-spindle Hole Dia.		ø42mm
	背主軸轉速	Sub-spindle Speed		200~6000rpm
快速移 Rapid Speed	背面加工最大鑽孔徑	Sub-spindle Max. Drilling Dia.		ø30mm
	背面加工最大攻牙徑	Sub-spindle Max. Tapping Dia.		M16
	A軸	A axis		30m/min
	X1, Z1軸	X1, Z1 axis	30m/min	
馬達 Motors	Y1軸	Y1 axis	30m/min	
	X2, Y2, Z2軸	X2, Y2, Z2 axis		30m/min
	主軸馬達	Main Spindle	7.5kw	
	背軸馬達	Sub-spindle		7.5kw
	Y1, Y2軸馬達	Y1, Y2 Axis	1.0kw	1.0kw
	A, X1, X2, Z1, Z2軸馬達	A, X1, X2, Z1, Z2 Axis	1.0kw	1.0kw
	B軸馬達	B Axis		0.75kw
機械尺寸 Machine Dimensions	動力刀具馬達	Rotary Tools	1.5kw	2.2kw
	切削馬達	Coolant Pump	1.5HP	1.5HP
	潤滑油馬達	Lubrication	25w	25w
	主軸中心高	Center Height		960mm
氣壓 Air	重量	Weight		6380kg
	機械尺寸	Dimension	3000x1800x1980	
氣壓 Air	空氣壓力	Air Pressure		5kg/cm
	空氣量	Air Supply		10L/min

■ 標準附件

- 正主軸
- 背主軸
- CS軸(0.001°定位)
- 工作燈
- 冷卻系統
- 工件切斷檢測
- 同期迴轉裝置
- 粗料套筒
(最大加工長度=材料外徑x3)
- 鐵屑機
- 鐵屑箱
- 工件收集器
- 5支外徑刀具刀座
- 4支銑銑刀具刀座
- 4支外徑刀具刀座(刀塔)
- 4支內徑刀具刀座(刀塔)
- 2支徑向動力刀具刀座(刀塔)
- 2支軸向動力刀具刀座(刀塔)
- 2支360度旋轉動力刀具刀座(刀塔)

■ 刀塔用選擇配件

- 外徑刀具刀座
- 內徑刀具刀座
- 360度旋轉動力刀具刀座
- 徑向動力刀具刀座
- 軸向動力刀具刀座

■ STANDARD ACCESSORIES :

- Main spindle
- Sub-spindle
- CS axis (0.001° orientation)
- Working Light
- Coolant System
- Part o ff Detective Sensor
- Live Bushing
- Rough Material Bushing
(Max. machining = Bar diameter x3)
- Chip Conveyor
- Chip Bucke
- Part Catcher
- 5 pcs O.D. Turning Tool Holder
- 4 pcs Cross Working Driven Tool Holder
- 4 pcs O.D. Turning Tool Holder (Station)
- 4 pcs I.D. Stationary Tool Holder (Station)
- 2 pcs Radial Mill / Drill Tool Holder (Station)
- 2 pcs Axial Mill / Drill Tool Holder (Station)
- 2 pcs 360° Automatic Rotary Driven Tool Holder (Station)

■ Option Accessories for Power Turret :

- O.D. Turning Tool Holder
- I.D. Stationary Tool Holder
- 360° Automatic Rotary Driven Tool Holder
- Radial Mill / Drill Tool Holder
- Axial Mill / Drill Tool Holder

PO LY GIM

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PO LY GIM

**DIAMOND
CSL 42-2Y**

走心式自動車床

"金鑽CSL" 42 型雙Y

SWISS TYPE CNC AUTO LATHE

DIAMOND CSL 42 - 2 Y



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SWISS TYPE CNC AUTO LATHE

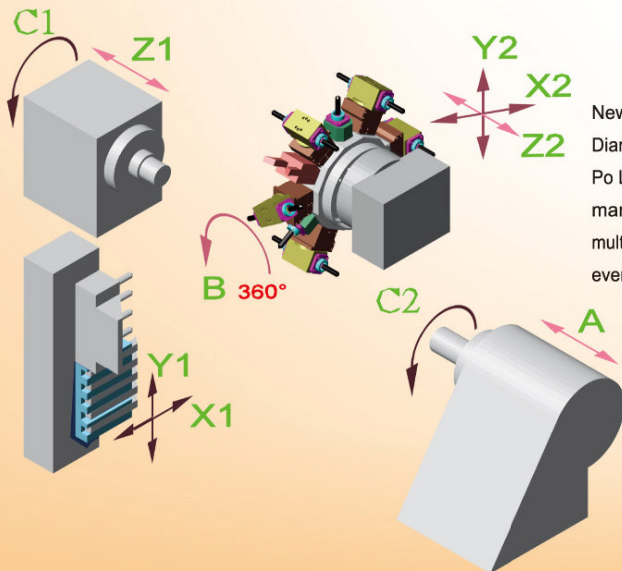
走心 · 走刀二用機

性能佳 · 超穩定 · 高精度
SIMPLICITY · PRECISION · SPEED · DURABILITY · STABILITY



機械特點 MACHINE FEATURES

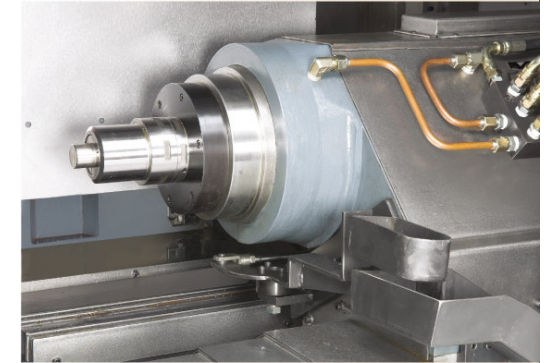
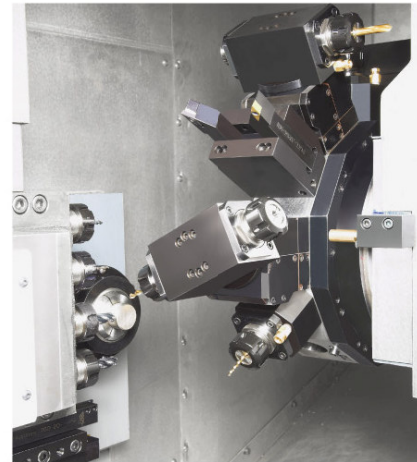
[1] 走心式“金鑽CSL”42型2Y，是一台兼具多軸多控制系統，高精度複合式加工機，提供高附加價值，正副主軸最大加工達42MM，乃屬創舉！



New 42mm Sliding Headstock CNC Machine Diamond CSL 42-2Y is the flagship model offered by Po Ly Gim Machinery. It offers up to 10 axes complex manufacturing capability using the most advance multi-axes control system that no other machine comes even close.



[2] 12角全動力刀塔設計內可至多放6把360度自動選角度刀座方便客戶做任一角度之加工。
The patented twelve position mill-turn servo turret can be installed twelve live tools, among them six tools are capable of rotate 360° (B axis).



[3] 正副主軸採用內藏式主軸馬達搭配MP SCALE做CS軸讓定位更精準。
Main and sub-spindles are both Built-in with MP scale's CS axis construction. This helps to obtain higher spindle rotation accuracy and better surface finish during cutting operation.

