

HONG Ji

HONG JI®



HONG Ji

新標誌設計概念

取宏基的英文HONG JI作主要呈現的標誌形體，以穩健踏實的經營、高速高效的生產設備，帶入整個字體形象的呈現。厚實穩定的字重，搭配藍色沉穩的意象，字體的傾斜在細節上呈現了速度感，而底下的長箭頭隱喻鑽孔機的形象。

CONCEPT OF NEW LOGO DESIGN

- Bold letters and blue color mean our company & machines give stability to customers.
- Italic letters show our machines are speedy & efficient.
- The arrow under letters is an image of our drilling machine.

[臥式槍鑽機]

深孔鑽孔機

DEEP HOLE DRILLING MACHINE
(Gun Drilling Machine)

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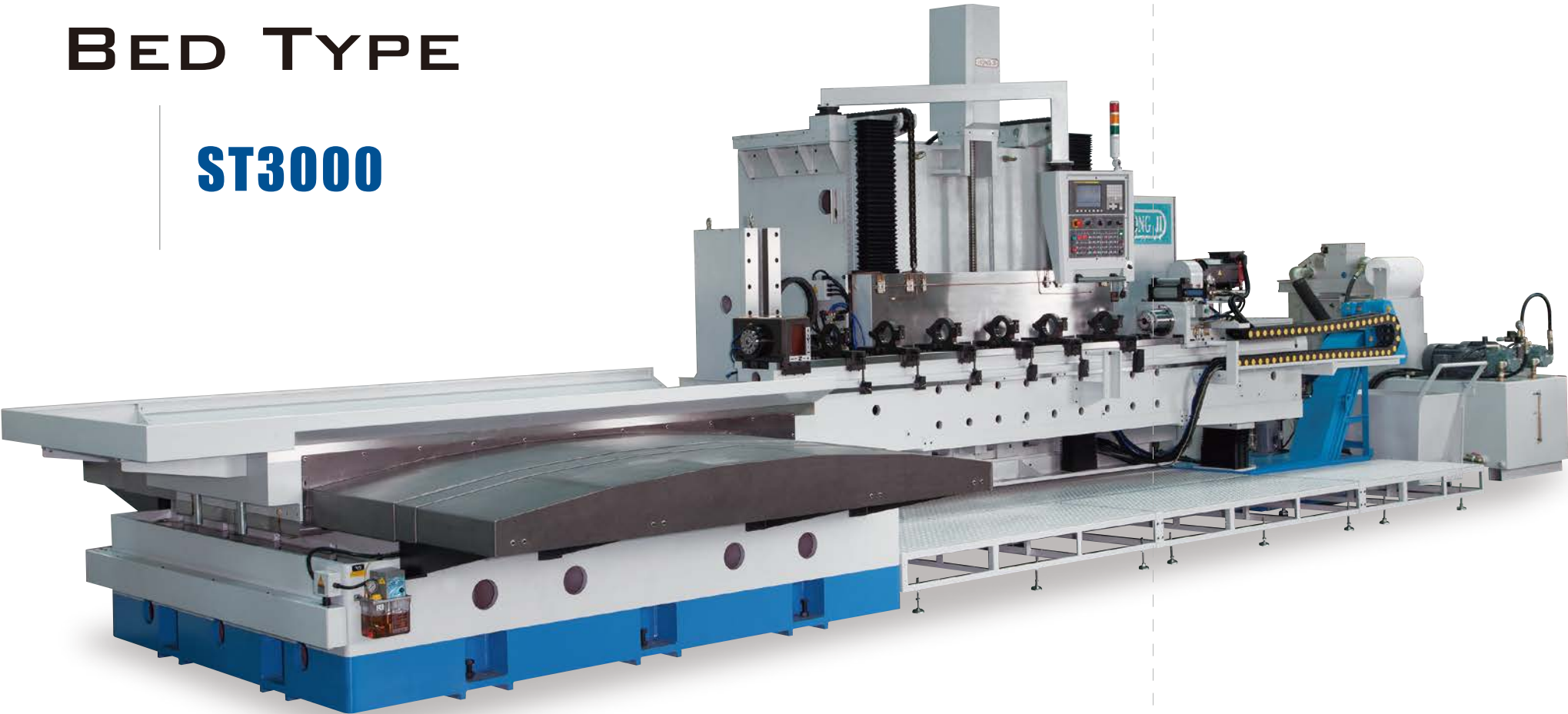


ST series

DEEP HOLE DRILLING MACHINE

BED TYPE

ST3000



2米寬立柱
2 meter wide column



大尺寸工作台
1200x3000mm Worktable

特性 Features :

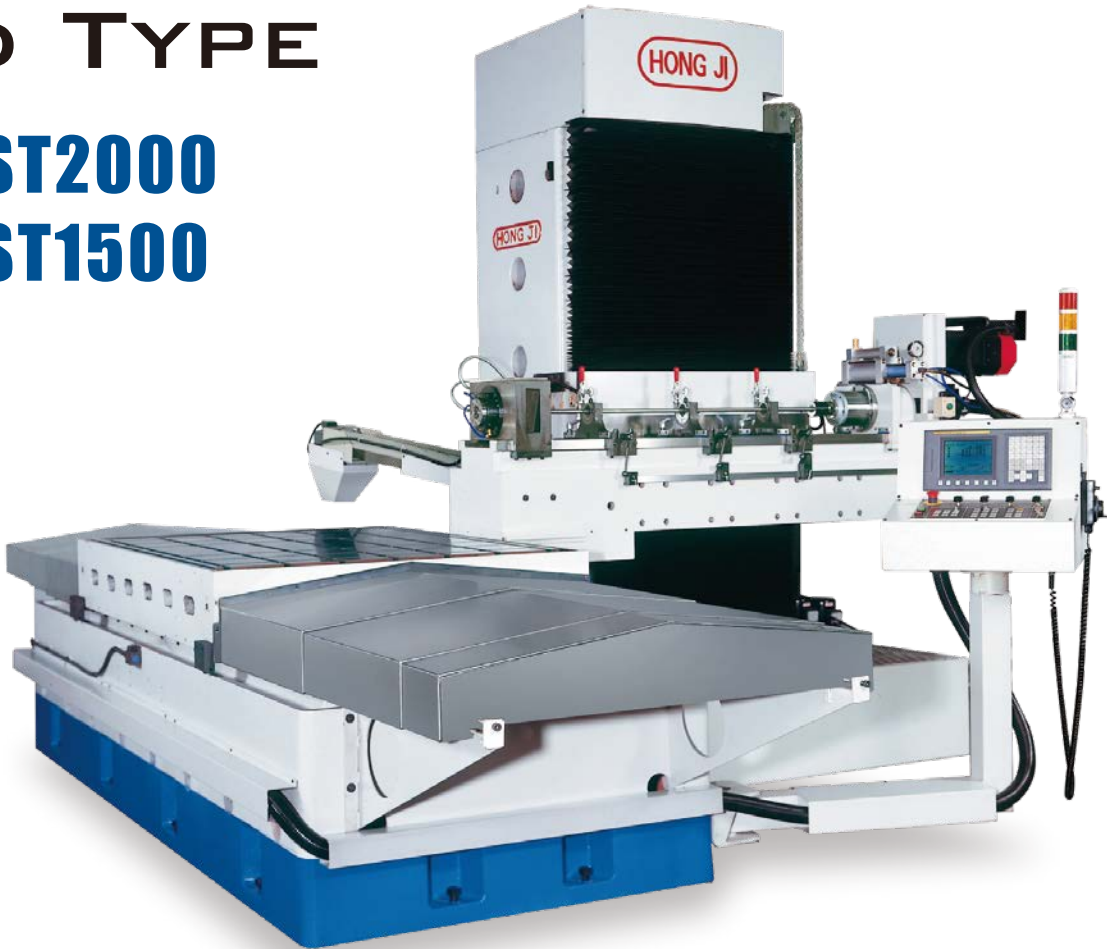
- ST3000深孔加工機適合加工大型模具水孔、大型機械零件冷卻孔和油路孔等。
- 全機軌道採用硬軌設計，軌道表面經熱處理至HRC60度。對於大孔徑及深度3米鑽孔需求，提供穩固及穩定的加工表現。
- 面寬2米大立柱搭配副立柱及油壓系統，提供加工軸在Y軸上下移動及高位加工時，保持絕佳的穩定度。
- This type of machine is suitable for drilling water line of big plastic moulds, oil channel of spindle sleeve for heavy-duty turning machine and parts of hydraulic press machine.
- All axes are harden slide ways made by cast iron and done surface hardness to HRC60 to offer a stable performance as drilling big holes with 3000mm length.
- Equipped with 2 meters width of main column and sub-column to support Y-axis movement. Even drilling holes in high position of Y-axis, performance is still stable and accurate .



規格 Specification	型號 Model	ST-3000
控制器 Controller	CNC	Fanuc / Mitsubishi / Siemens / Other
鑽孔能力 Drilling Capacity	主軸數 Spindle number	1
	鑽孔範圍 Drilling diameter	ø5-ø40mm
	鑽孔深度 Drilling depth (Z)	3,000mm
行程 Travel	X軸 Table cross travel (X)	1,000mm
	Y軸 Spindle vertical travel (Y)	800mm
速度 Speed	進給速 Drilling feed	10-250mm/min
	主軸轉速 Spindle rpm	0~6,000
高壓油泵 High pressure pump	切削油壓 Pressure	0~80kg/cm²
	出油量 Outflow	30~100L/min
	油箱 Oil tank	1,500L
工作台 Worktable	工作台尺寸 Table dimensions	1,200x3,000mm
	最大載重 Maximum loading weight	20 tons
其他 Other	其他功能 Optional function	Milling&Tapping
	機台重量 Machine weight	38 tons
	機台尺寸 Machine dimensions (including accessories)	3700x1 1200x3300mm

ST series
DEEP HOLE DRILLING MACHINE
BED TYPE

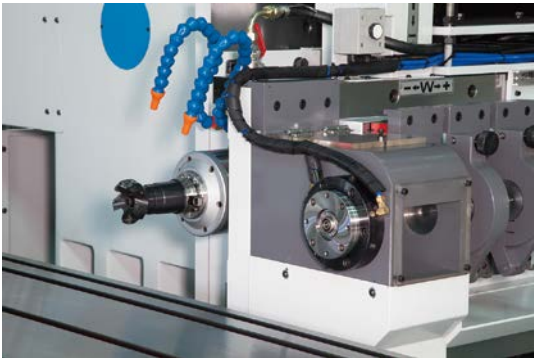
ST2000
ST1500



全罩板金
Full guard



分度盤
CNC rotary table



銑攻主軸
Spindle for milling & tapping

特性 Features :

- 此型數控深孔鑽孔機專門加工大型模具水道孔，模具頂出孔及射梢孔。
- 寬厚高剛性立柱採用FC-32煉製並經退火處理，提供機台穩定加工。
- 特殊快速刀具裝卸設計，大幅增加工作效率。
- 另可加裝銑攻主軸及分度盤，提升機台複雜加工運用的能力。
- These types of machines with CNC control are designed for drilling waterlines, ejector pin holes of large injection molds.
- The rigid honeycomb walled column gives a stable cutting condition. FC-32 castings have been stress relieved and annealed.
- Special quick tool-changing design to increase work efficiency many times.
- These types of machines also can be equipped with second spindle for milling & tapping and rotary table to increase machines' capacity for complex processes.



規格 Specification	型號 Model	ST-2000	ST-1500
控制器 Controller	CNC	Fanuc / Mitsubishi / Siemens / Other	Fanuc / Mitsubishi / Siemens / Other
鑽孔能力 Drilling Capacity	主軸數 Spindle number	1	1
	鑽孔範圍 Drilling diameter	ø3-ø25mm(ø5-ø40mm)	ø3-ø25mm(ø5-ø40mm)
	鑽孔深度 Drilling depth (Z)	2,000mm	1,500mm
行程 Travel	X軸 Table cross travel (X)	2,200mm	1,600mm
	Y軸 Spindle vertical travel (Y)	1,200mm	1,000mm
	W軸 Column-moving travel (W) (Option)	500mm	400mm
速度 Speed	進給速 Drilling feed	10-250mm/min	10-250mm/min
	主軸轉速 Spindle rpm	0~6,000	0~6,000
高壓油泵 High pressure pump	切削油壓 Pressure	0~100kg/cm ²	0~100kg/cm ²
	出油量 Outflow	30~100L/min	30~100L/min
	油箱 Oil tank	1,500L	1,500L
工作台 Worktable	工作台尺寸 Table dimensions	1,600x2,600mm	1,300x1,800mm
	最大載重 Maximum loading weight	15 tons	10 tons
其他 Other	其他功能 Optional function	Milling & Tapping (銑/攻牙)	Milling & Tapping (銑/攻牙)
	其他配件 Optional accessories	Rotary table (分度盤)	Rotary table (分度盤)
	機台重量 Machine weight	23 tons	19 tons
	機台尺寸 Machine dimensions (including accessories)	7100x7000x3500mm	6800x6300x3500mm

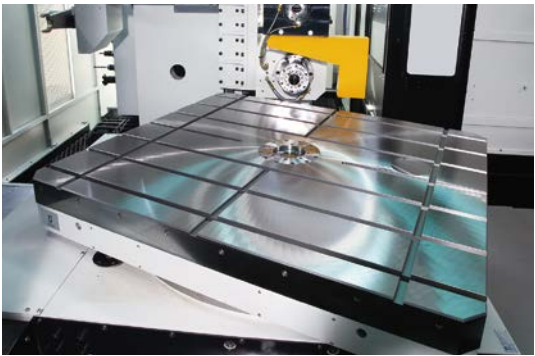
ST series
DEEP HOLE DRILLING MACHINE

BED TYPE

ST2000MC
ST1500MC



刀庫
Automatic tool changer (ATC)



分度盤
CNC rotary table

特性 Features :

- 適合加工大型模具水孔、頂針孔、塑料射出孔及圓孔銑削、方槽銑削、攻牙加工。
- 此型機台配置重型銑削主軸與分度盤，提升機台複雜加工運用的能力。
- ISO50銑削主軸配置11kw主軸馬達，最大扭力輸出為90Nm。在多重加工上，可顯著提升加工表現及彈性。
- 刀庫系統屬機台標準配備。可安裝24種刀具，切削加工過程便利有效率。
- 寬厚立柱及使用精度滾柱線軌，提供主軸上下移動加工絕佳穩定度。
- ST-2000MC and ST-1500MC are suitable for drilling coolant channels, injection channels and milling- pockets on big plastic molds.
- These types of machines are equipped with a heavy-duty milling spindle and rotary table to increase machines' capacity for complex processes.
- ISO50 milling head with a motor 11kW and the maximum torque of 90 Nm. As a consequence, these machines offer strongly increased performance and flexibility for auxiliary machining.
- Automatic tool changer (ATC) is a standard accessory on these machines. 24 pieces of toolings can be loaded on ATC, machining processes are convenient and efficient.
- Wide & rigid column and 3 pieces of roller type of linear guide ways are used in the column system to provide stable movement on Y axis .

規格 Specification	型號 Model	ST-2000MC	ST-1500MC
控制器 Controller	CNC	Fanuc / Mitsubishi / Siemens / Other	Fanuc / Mitsubishi / Siemens / Other
鑽孔能力 Drilling Capacity	主軸數 Spindle number	2	2
	鑽孔範圍 Drilling diameter	ø5-ø40mm	ø5-ø40mm
	鑽孔深度 Drilling depth (W axis)	2,000mm	1,500mm
銑削主軸 Milling spindle	主軸種類 Spindle type	CAT50 / BT50	CAT50 / BT50
刀庫 ATC	刀具數量 Tool capacity	24 tools	24 tools
行程 Travel	X軸 Table cross travel (X axis)	2,200mm	1,600mm
	Y軸 Spindle vertical travel (Y axis)	1,200mm	1,000mm
	Z軸 Column-moving travel (Z axis)	500mm	500mm
速度 Speed	進給速 Drilling feed	10-250mm/min	10-250mm/min
	主軸轉速 Spindle rpm	0~6,000	0~6,000
高壓油泵 High pressure pump	切削油壓 Pressure	0~80kg/cm ²	0~80kg/cm ²
	出油量 Outflow	30~100L/min	30~100L/min
	油箱 Oil tank	1,500L	1,500L
分度盤 Rotary table-B axis	工作台尺寸 Table dimensions	2,000x2,000mm	1,400x1,600mm
	最小分度 Minimum increment	0.001 degree	0.001 degree
	最大載重 Maximum loading weight	15tons	10tons
其他 Other	機台重量 Machine weight	38tons	25tons
	機台尺寸 Machine dimensions (including accessories)	9800x7200x3800mm	8200x6600x3800mm

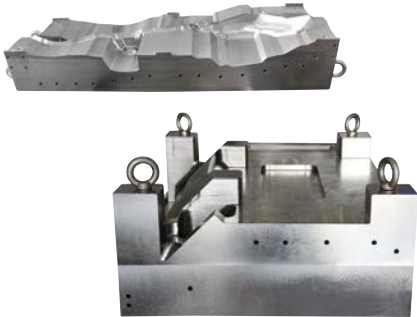
ST series
DEEP HOLE DRILLING MACHINE
BED TYPE

ST1200



特性 Features :

- 此型機台具四軸動向設計，適合加工中型模座及不規則工件物。
- 配置鐵屑排出系統及切削油循環系統，鐵屑不積塞，鑽孔加工過程切削油供給不匱乏。
- 工作台配置X軸及W軸，可做十字交叉移動，最適合不規則工件物的鑽孔加工。
- 特殊快速刀具裝卸設計，大幅增加工作效率。
- This type of machine with four axes is designed for drilling medium size molds and irregular workpieces.
- With well chip-removing system and oil cycle, chips don't obstruct and coolant oil offered enough as drilling.
- Worktable is with X-axis and W-axis. The worktable can cross moving, so it is suitable for drilling irregular workpieces.
- Special quick tool-changing design to increase work efficiency many times.



全罩板金
Full guard



銑削主軸
Milling head



工作台及W軸
Worktable & W axis

規格 Specification	型號 Model	ST-1200
控制器 Controller	CNC	Fanuc / Mitsubishi / Siemens / Other
鑽孔能力 Drilling Capacity	主軸數 Spindle number	1
	鑽孔範圍 Drilling diameter	ø3-ø25mm(ø5-ø40mm)
	鑽孔深度 Drilling depth (Z)	1,200mm
行程 Travel	X軸 Table cross travel (X)	1,000mm
	Y軸 Spindle vertical travel (Y)	800mm
	W軸 Column-moving travel (W) (Option)	400mm
速度 Speed	進給速 Drilling feed	10-250mm/min
	主軸轉速 Spindle rpm	0~6,000
高壓油泵 High pressure pump	切削油壓 Pressure	0~100kg/cm²
	出油量 Outflow	30~100L/min
	油箱 Oil tank	1,500L
工作台 Worktable	工作台尺寸 Table dimensions	1,000x1,200mm
	最大載重 Maximum loading weight	5 tons
其他 Other	其他功能 Optional function	Milling&Tapping
	機台重量 Machine weight	12 tons
	機台尺寸 Machine dimensions (including accessories)	5800x4200x3000mm

ST series

DEEP HOLE DRILLING MACHINE

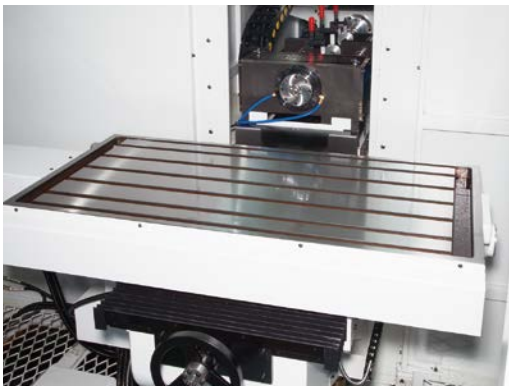
KNEE TYPE

CNC ST1000



特性 Features :

- 此機台配置CNC控制器，適合工作需求多孔加工，如電熱板、玻璃模具等中小型工作物。
- 進給機構搭配伺服馬達及滾珠螺桿，加工進給過程順暢，速度調整簡易方便。
- 工字型滑軌，表面經高周波熱處理達硬度HRC50。主軸座反面貼上耐磨片表面並經手工鏟花處理。
- 另外可選配安裝W軸，提高工件物裝卸便利性及提升加工效率。
- This type of machine with CNC controller is designed for the production of waterlines, heat and ejector pin holes of injection molds, hydraulic manifold and heat-exchangers which require multi hole drilling.
- Servo motor and Ball screw are used for the feed mechanism to insure smooth and convenient for feed rate adjust.
- Hardened and ground Main slide ways to hardness HRC 50. The opposite ways and gibs are all Turcite-B plated with hand scraped bearing surface.
- This machine also can be equipped with W axis to reduce leading time for set up work piece and work efficiently.



W軸
W axis



全罩板金
Full guard

規格 Specification		型號 Model	ST-1000
鑽孔能力 Drilling Capacity	主軸數	Spindle number	1
	鑽孔範圍	Drilling diameter	ø3-ø25mm
	鑽孔深度	Drilling depth (Z)	1,000mm
行程 Travel	X軸	Table cross travel (X)	500mm (600mm)
	Y軸	Table vertical travel (Y)	350mm
速度 Speed	進給速	Drilling feed	10-250mm/min
	主軸轉速	Spindle rpm	0~6,000
	切削油壓	Pressure	0~100kg/cm ²
高壓油泵 High pressure pump	出油量	Outflow	30~60L/min
	油箱	Oil tank	1,200L
工作台 Worktable	工作台尺寸	Table dimensions	600x1,000mm
	最大載重	Maximum loading weight	1,000kgs
選配 Optional	其他功能	Optional function	Milling&Tapping
	W軸	Table forward & backward travel (W)	120mm
	工作台尺寸	Table dimensions	600x1,200mm
全罩機台尺寸 Machine dimensions (including accessories)			5400x3600x2500mm

ST series
DEEP HOLE DRILLING MACHINE

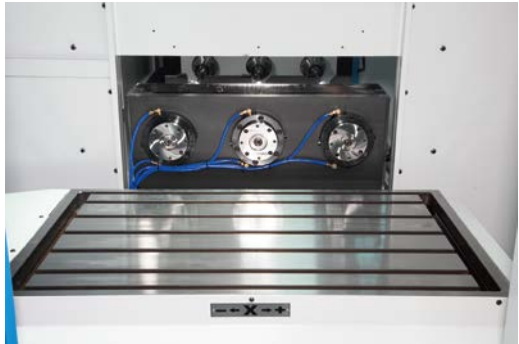
KNEE TYPE

CNC ST500



特性 Features :

- 此機台配置CNC控制器，適合量產生產需求。
- 進給機構搭配伺服馬達及滾珠螺桿，加工進給過程順暢，速度調整簡易方便。
- 可依據工件物設計加裝自動化夾具。
- These types of machines with CNC controller and multi-spindles are designed for mass-production.
- Servo motor and Ball screw are used for the feed mechanism to insure smooth and convenient for feed rate adjust.
- Machine can be equipped with auto-fixture related to workpieces.



三軸設計
3 spindles design



六軸設計
6 spindles design



全罩板金
Full guard



規格 Specification	型號 Model	ST-500	ST-500B / ST-500D / ST-500G
控制器 Controller	CNC	Fanuc / Mitsubishi / Siemens / Other	Fanuc / Mitsubishi / Siemens / Other
鑽孔能力 Drilling Capacity	主軸數 Spindle number	1	2 / 3 / 4 / 6
	鑽孔範圍 Drilling diameter	ø3-ø25mm	ø3-ø12mm
	鑽孔深度 Drilling depth (Z)	500mm	500mm
行程 Travel	X軸 Table cross travel (X)	500mm	500mm
	Y軸 Table vertical travel (Y)	300mm	300mm
速度 Speed	進給速 Drilling feed	10-250mm/min	10-250mm/min
	主軸轉速 Spindle rpm	0~6,000	0~8,000
高壓油泵 High pressure pump	切削油壓 Pressure	0~100kg/cm ²	0~100kg/cm ²
	出油量 Outflow	30~60L/min	30~100L/min
	油箱 Oil tank	1,200L	1,400L~1600L
工作台 Worktable	工作台尺寸 Table dimensions	600x1,000mm	600x1,000mm
	最大載重 Maximum loading weight	500kgs	500kgs
其他 Other	其他配備 Optional fixture	工件治具 Workpiece fixture	工件治具 Workpiece fixture
	全罩機台尺寸 Machine dimensions (including accessories)	4500x3200x2500mm	4700x3400x2500mm

SL series

AUTOMATIC WORKPIECE-FEEDING SYSTEM

MASS-PRODUCTION TYPE

SLA-1000D

◁ 量產機型，自動送料系統 ▷



自動送料裝置
Part feeding system



SLA-300D



特性 Features :

- 本機台對單一尺寸圓棒之加工工作可提供大量自動化生產，提升工作效率。
- 搭載自動送料裝置，生產人員只需補充加工物，其餘機台自動加工。
- 輸送帶固定塊採用高品質塑膠材質可避免油液侵蝕並耐碰撞。
- These types of machines offer mass production in drilling single size of round bar. Job-doing efficiently.
- With part feeding system, operator only puts parts on the conveyer. Then parts will be drilled automatically.
- Block of conveyer is made by high-quality plastic material can prevent the damage from oil and crash.

型號	Model	SLA series
控制器	Controller	CNC / NC
主軸數	Spindle number	4
鑽孔範圍	Drilling diameter	ø3-ø12mm / ø5-ø20mm
鑽孔深度	Drilling depth (Z)	100-1,000mm
進給速	Drilling feed	10-250mm/min
主軸轉速	Spindle rpm	0~8,000
切削油壓	Pressure	0~100kg/cm ²
出油量	Outflow	30~100L/min
油箱	Oil tank	1,200L - 1800L
固定裝置	Fixture device	油壓固定 / Hydraulic clamping
其他	Other design	自動送料系統 Part feeding system 機械手 Robot system

SLA-200D



SL series

AUTOMATIC WORKPIECE-FEEDING SYSTEM

ECONOMICAL AND HIGH-ACCURACY TYPE

◀ 經濟型、高精度 ▶

特性 Features :

- 此機台適合加工各種外徑尺寸圓棒，屬經濟型機種。
- 刀具旋轉與工件逆旋轉的設計，鑽孔同心度表現更佳。
- 配置手動三爪夾頭，另可依據加工物選配油壓夾頭。
- These types of machines are economical and suitable to drill many kinds of round bars.
- The design of rotating tool and counter-rotating part can increase hole concentricity.
- Using manual three-jaw chuck to fix round bars, also be equipped with hydraulic chucks per workpieces.



型號	Model	SL series
控制器	Controller	CNC / NC
主軸數	Spindle number	1~4
鑽孔範圍	Drilling diameter	ø2-ø8mm / ø3-ø25mm / ø5-ø40mm
鑽孔深度	Drilling depth (Z)	300 / 500mm / 1,000mm / 1,500mm / 2,000mm
進給速	Drilling feed	10-250mm/min
主軸轉速	Spindle rpm	0~6,000
切削油壓	Pressure	0~100kg/cm²
出油量	Outflow	30~100L/min
油箱	Oil tank	800L~1,800L
固定裝置	Fixture device	手動夾頭 / 油壓夾頭 Manual chuck / Hydraulic chuck
其他	Other design	工件逆轉動 Workpiece counter-rotating

SL-500B



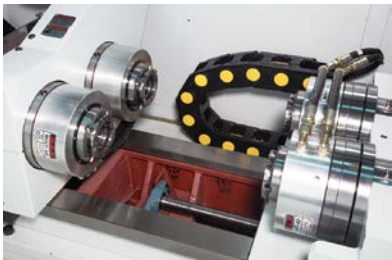
SL-500



人機操作介面
HMI control panel



夾持旋轉系統
Clamping & Rotating system



油壓夾持系統
Hydraulic clamping system



SL-1200

SL series

AUTOMATIC WORKPIECE-FEEDING SYSTEM

HIGH-PRODUCTION AND HIGH-EFFICIENCY TYPE

〈高量產、高效率機型〉

特性 Features :

- 機台搭配四主軸，大幅提升加工產量，生產效率佳。
- 搭配油壓頂料系統，使用者只需放置加工物於支撐架上，系統會自動夾持工件。
- 刀具旋轉與工件逆旋轉的設計，鑽孔同心度表現更佳。
- With four spindles, the machine offers mass production, job-doing efficiently.
- With hydraulic clamping system, operator only puts workpieces on the rack then workpieces will be fixed automatically.
- The design of rotating tool and counter-rotating part can increase hole concentricity.

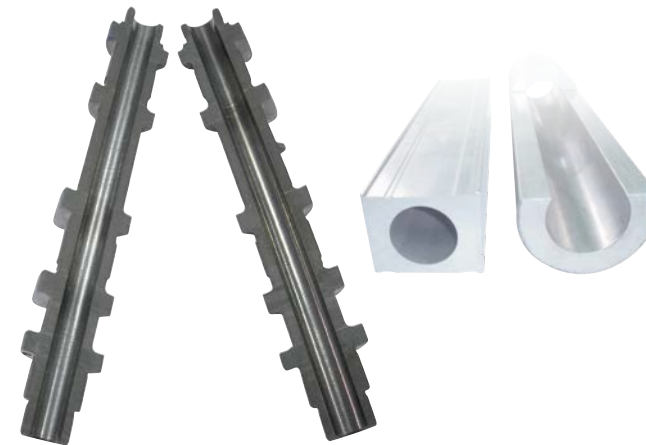
SLY-500B



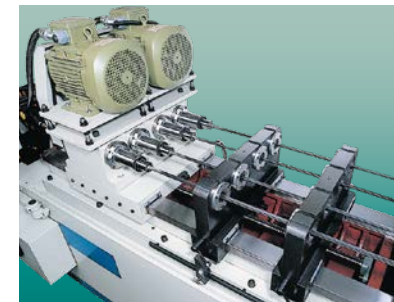
夾持系統
Clamping system



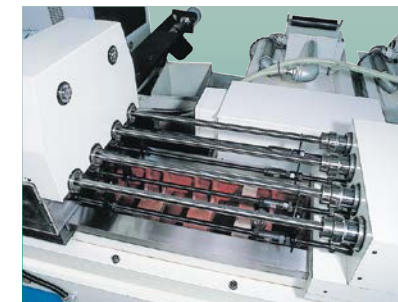
精密主軸
Precision spindle



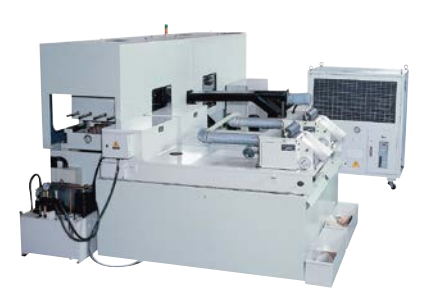
型號	Model	SLY series
控制器	Controller	CNC / NC
主軸數	Spindle number	1~4
鑽孔範圍	Drilling diameter	ø3-ø12mm / ø5-ø20mm
鑽孔深度	Drilling depth (Z)	100-1,000mm
進給速	Drilling feed	10-250mm/min
主軸轉速	Spindle rpm	0~8,000
切削油壓	Pressure	0~100kg/cm ²
出油量	Outflow	30~100L/min
油箱	Oil tank	1,200L - 1,800L
固定裝置	Fixture device	油壓固定 / Hydraulic clamping
其他	Other design	自動送料系統 Automatic loading system



精密主軸
Precision spindle



油壓夾持系統
Hydraulic clamping system



過濾系統
Filtration system

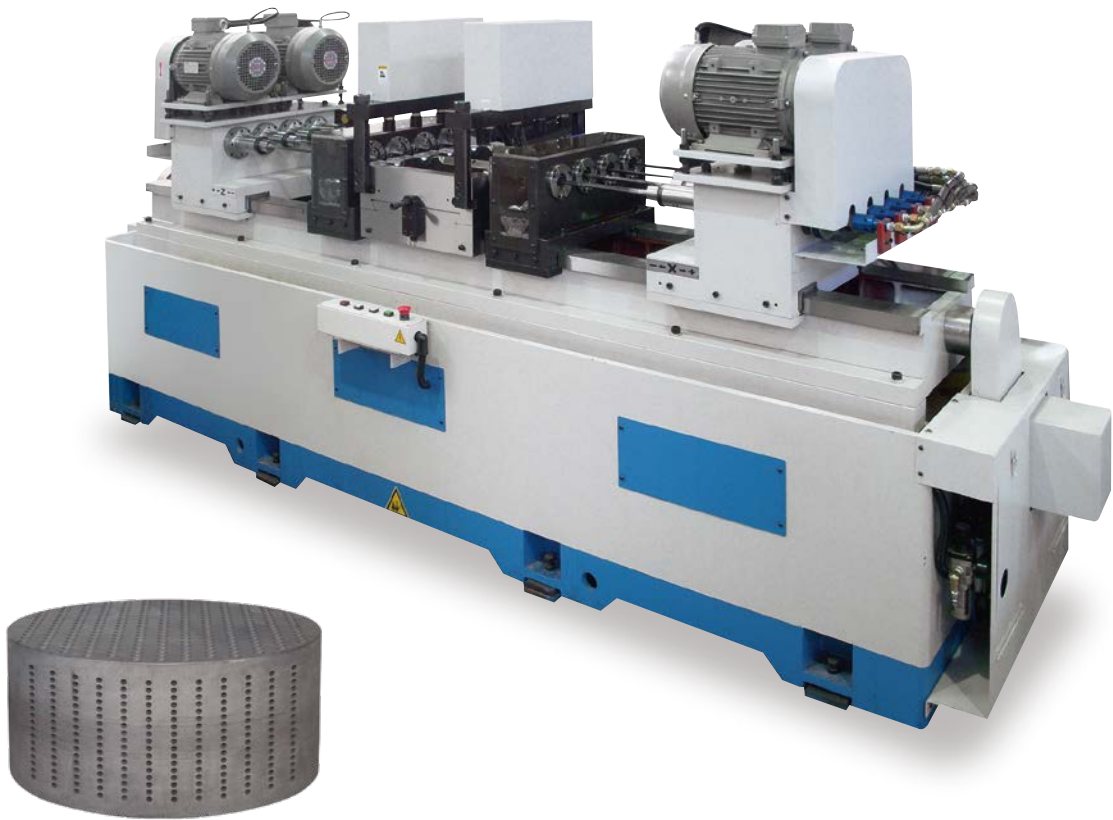


SLY-1000D

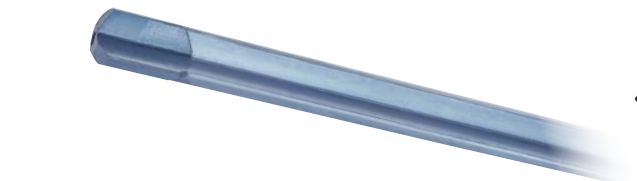
CUSTOMIZED GUN DRILLING MACHINE

SLY-300Z
with 8 spindles

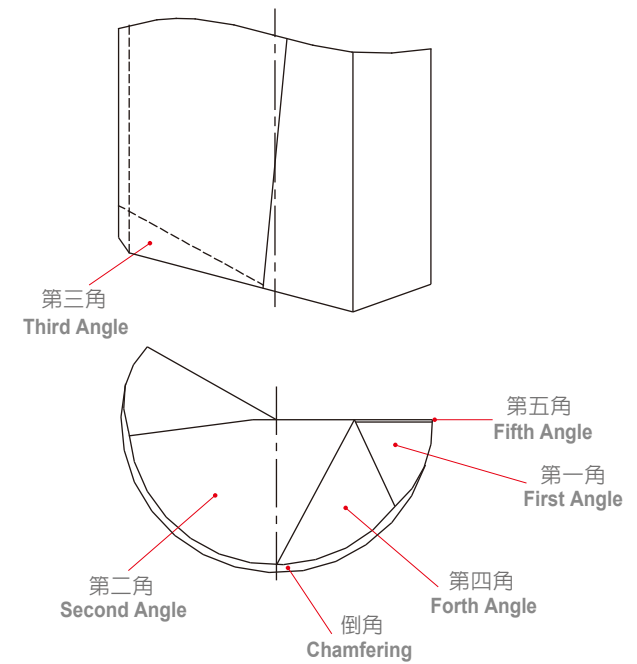
Special Purpose Machine (SPM):
可針對深孔加工特殊需求，
設計專用設備。
Machines also can be
customized according
to your required production.



GUNDRILL GRINDER 槍鑽磨刀機



The angles of gun drill



標準配備 Standard Accessories:	
■ 刀具固定頭 Fixture unit for gundrill	x 1 set
■ 操作手冊 Operation manual	x 1 set
■ 工具箱 Tool box	x 1 set



型號	Model	GD25 / GD50
研磨範圍	Grinding range(option)	Ø2 ~ 25 mm (Ø20 ~ 50 mm)
工作台行程	Table cross travel	170 x 170 mm
電壓	Electricity	220v/380v, 2phase
主軸馬達	Grinding head motor	1/4HP / 1HP
照明	Light	60 w (max.)
總馬力	Machine power rating	1/4HP / 1HP
主軸轉速	Grinding head	2900 rpm (50HZ); 3400 rpm (60HZ)
機台淨重	Net weight	150 kg
機台總重	Gross weight	170 kg
機台尺寸	Machine dimensions (L x W x H)	600 x 450 x 600 mm

DEEP HOLE REAMING MACHINE 深孔鉋孔機

RAC-600B

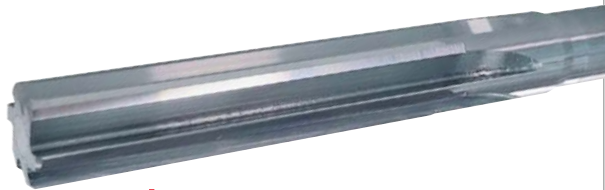


加工樣本
Sample

特性 Features :

- 本機應用於心軸加工物中心孔鉋孔加工，達到後段加工所需孔徑真圓度。特別適合槍管、長心軸加工物。
- 配置雙主軸或四主軸，最長深孔鉋孔深度可達1000mm。
- 鉋孔刀具與加工物夾持皆採油壓設計，長鉋孔刀具安裝容易、上下料快速，工作效率提升。
- 配置專用設計切削液機構，提供刀具進行深孔鉋孔時完全潤滑，排屑順暢，提升刀具壽命與孔徑加工品質。
- 完整切削液過濾系統，保持切削液穩定品質，確保加工效率。

- This type of machine is applied to deep hole reaming to reach high accuracy in hole roundness. It is suitable for reaming center holes of gun barrels and long shafts.
- The machine has two or four spindles and the max. reaming length is 1000mm.
- Equipped with hydraulic clamping systems for tools and components. It is easy to install long tools and loading & unloading components quickly.
- The compact cutting oil system provides sufficient oil to lubricate reamers and chips are removed out smoothly.
- The full filtration system keeps cutting oil clean to stabilize oil quality and increase tool life.



深孔鉋刀
Reaming tool

型號	Model	RAC series
控制器	Controller	CNC / PLC
主軸數	Spindle number	2 or 4
鑽孔範圍	Drilling diameter	ø4-ø12mm
鑽孔深度	Drilling depth (Z)	500mm / 1,000mm
進給速	Feed rate	10-3000mm/min
主軸轉速	Spindle rpm	0~6,000
工件固定方式	Clamping way	油壓夾持 Hydraulic clamping

標準配備 STANDARD ACCESSORIES

■ 紙帶過濾機	Paper filter
■ 油屑分離系統	Chip and oil separator system
■ 高壓油泵	High-pressure oil pump
■ 自動潤滑系統	Auto lubrication system
■ 刀具過載保護	Spindle motor loading monitor
■ 油箱 / 油位計	Outer oil tank / Oil level gauge
■ 變壓器	Transformer
■ 水平螺絲	Leveling screws & block
■ 工具箱	Tool box
■ 操作手冊	Mechanical / Electrical operation manual

選擇配備 OPTIONAL ACCESSORIES

■ 冷凍機	Oil cooler
■ 切削油	Cutting oil
■ 槍鑽	Gundrill
■ 刀導套	Guide bushing
■ 橡膠套	Whip guide bush
■ 穩壓器	Automatic Voltage stabilizer
■ 全罩鈹金	Full guard
■ 槍鑽磨刀機	Gundrill grinder
■ 電氣箱冷氣機	Air condition
■ 油霧回收機	Oil mist collector
■ 袋濾機	Bag filter housing
■ 脫油設備	Centrifuge

We reserve the right to modify the design and specifications without notice in advance.
設計及規格如有變更不另行通知