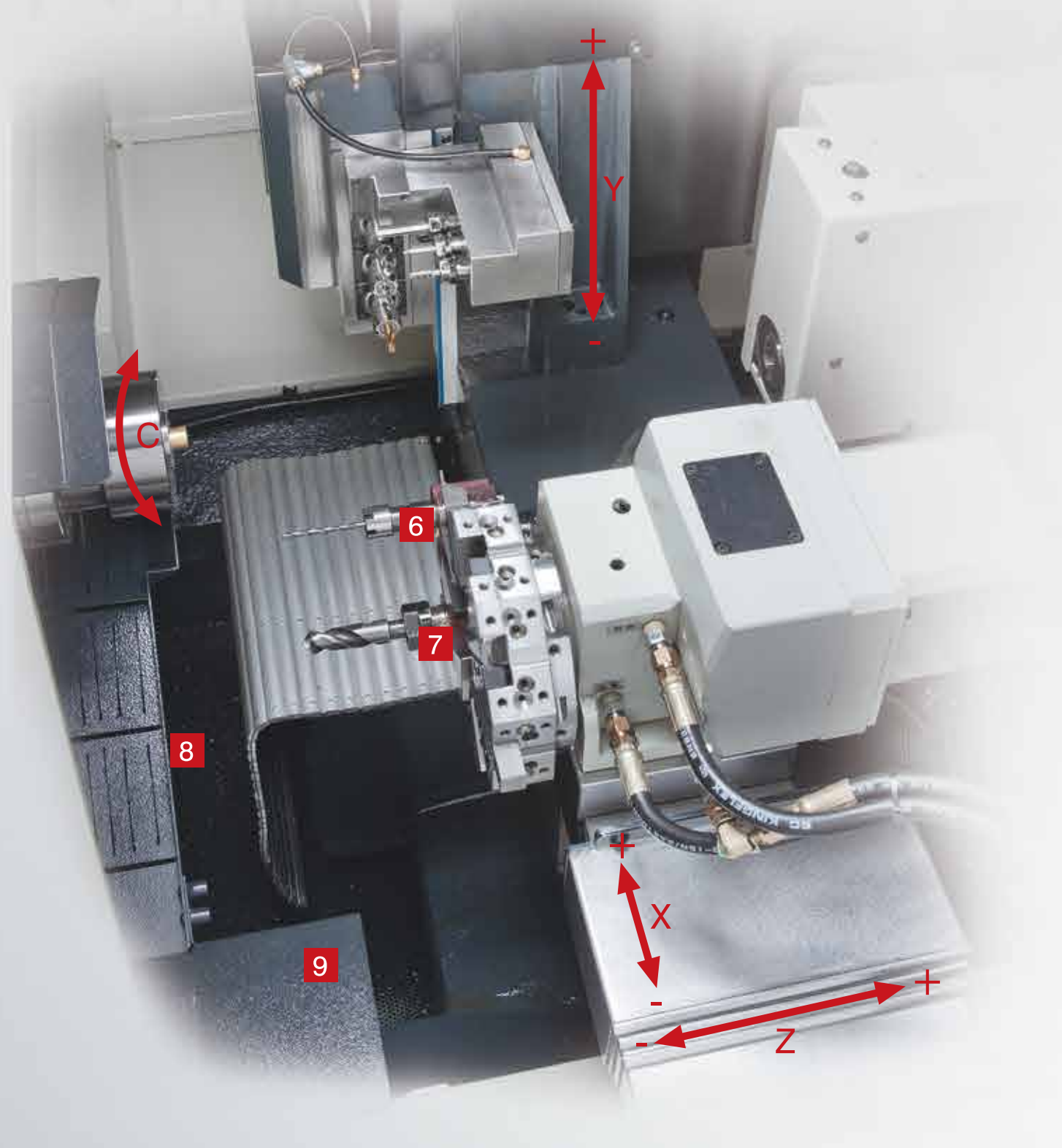


LATHE



- 6** 固定式內徑刀ER16筒夾座
Fixed ID tool ER16 collet holder
- 7** 固定式內徑刀ER20筒夾座
Fixed ID tool ER20 collet holder
- 8** 接料器
Parts catcher
- 9** 工件盒 Parts collection box
接料時盒蓋自動打開，可把工件導入工件盒
Box door opens automatically when parts catcher moves to receive the completed parts.

機器規格 Machine specifications

機型	MODEL	G-42HA-DET
控制軸	Controlled axes	X, Y, Z, C
可加工最大棒材	Bar capacity	42 mm
最大車削長度	Max. turning length	棒材外徑 Bar dia. x 2.5 ~ 3
端面最大鑽孔直徑	Max. face drilling dia.	鑽頭固定 Fixed drill: Ø10 mm 動力鑽頭 Live drill: Ø6 mm
端面最大攻牙尺寸	Max. face tapping size	牙攻固定 Fixed tap: M10 動力牙攻 Live tap: M5
側面最大鑽孔直徑	Max. cross drilling dia.	動力鑽頭 Live drill: Ø6 mm
側面最大攻牙尺寸	Max. cross tapping size	動力牙攻 Live tap: M5
主軸筒夾型式	Spindle collet type	173E
3-爪夾頭	3-jaw chuck	6°
刀塔	Tool turret	8刀位 / 伺服控制 8 positions / servo controlled
X軸行程	X-axis travel	140 mm
Z軸行程	Z-axis travel	160 mm (尾座 With tail stock) 230 mm (無尾座 Without tail stock)
Y軸行程	Y-axis travel	120 mm
快速位移	Rapid traverse	24 m/min (最高 Max.)
主軸定位分度	Spindle indexing	0.001° (C軸 C axis)
主軸馬達 (連續 / 15分鐘)	Spindle motor (Cont / 15 min)	3.7 / 5.5 KW
主軸最高轉速	Max. spindle speed	4,500 RPM
控制軸馬達	Controlled axis motor	0.75 KW (發那科控制 With Fanuc control) 1 KW (X, Z), 0.75 KW (Y) (三菱控制 With Mitsubishi control)
動力刀主軸馬達	Tool spindle motor	0.75 KW (發那科控制 With Fanuc control) 1 KW (三菱控制 With Mitsubishi control)
油壓泵馬達	Hydraulic motor	0.75 KW
冷卻液泵馬達	Coolant motor	0.75 KW
潤滑油泵馬達	Lubricant motor	0.0035 KW
動力刀數 / 筒夾	Live tool / collet	側面 cross: 3 / ER16 (Ø10 mm) 端面 face: 3 / ER11 (Ø7 mm) 選配 option: 2 / ER20 (Ø13mm)
外徑刀柄	OD tool shank	16 x 16 mm
最大鑽孔刀柄	Max. boring bar size	Ø20 mm
固定式內徑刀筒夾	Fixed ID tool collet	ER16 (Ø10 mm), 選配 option: ER20 (Ø13mm)
主軸孔	Spindle bore	Ø46 mm
主軸中心高度	Spindle center height	1,120 mm
需求電源	Required power source	3Ø220V x 10 KVA
需求壓縮空氣	Required compressed air	6 Kg / cm ² x 50 NI / min
機器尺寸	Machine size (W x D x H) mm	2,060x1,660x1,700 (附尾座 With tail stock: 2,460x1,660x1,700)
機器重量	Machine weight	2,200 Kgs

* 本公司享有規格變更之權利，恕不另行通知。
* 依客戶要求，可選用發那科或三菱控制器。
* All specifications are subject to change without prior notice.
* The machine can be equipped with either a Fanuc or Mitsubishi controller upon request.

標準配件 Standard Accessories

- 工具箱，內含維修、調整工具及基礎調整螺絲、墊片等
- 自動潤滑系統
- 工作燈
- 三層警示燈
- 冷卻液泵浦，壓力檢知器
- 油壓筒夾
- 接料器
- 工件盒
- 送料機介面
- 雙孔Ø20 mm內徑刀座(刀塔用) 4 pcs
- 固定式內徑刀ER16筒夾座(刀塔用) 4 pcs
- ER16筒夾螺帽(側面動力刀及固定式內徑刀用) 7 pcs
- ER11筒夾螺帽(端面動力刀用) 3 pcs
- 指定單一工件專用刀具、主軸筒夾及各式鑽夾等，不包括特殊刀具

- Tool kit (containing tools for set-up, adjustment, and leveling bolts, blocks, etc)
- Automatic lubrication system
- Work lamp
- 3-tiered pilot lamp
- Coolant pump, pressure sensor
- Hydraulic collet chuck
- Parts catcher
- Parts collection box
- Bar feeder interface
- 1-position Ø20 mm ID tool holder(for turret) 4pcs
- Fixed ID tool ER16 collet holder (for turret) 4 pcs
- ER16 collet nut (for cross live tools and fixed ID tools) 7 pcs
- ER11 collet nut (for face live tools) 3 pcs
- Cutting tools, spindle collet and drill chucks for parts to be set up, but special tools not included

選擇配件 Optional Accessories

- 自動送料機
- 3-爪夾頭(6°)
- 排屑機
- 夾頭專用腳踏開關
- 雙孔Ø20 mm內徑刀座(刀塔用)
- 固定式內徑刀ER20筒夾座(刀塔用)
- ER20筒夾螺帽(選配固定式內徑刀ER20筒夾座或2 / ER20端面動力刀座用)
- 側面固定式Ø18 mm柄徑外徑刀座 (與側面動力刀ER16筒夾座替換用)
- 側面動力刀ER16筒夾座 (供側面動力刀座拆換時替換用)
- 切削室安全門開關
- 尾座
- 尾座頂針
- 變壓器(3 Ø380-415 / 220V x 10KVA)
- 2/ER20夾頭型端面動力刀座
- Magazine type auto bar feeder
- 3-jaw chuck (6°)
- Chip conveyor
- Foot switch for chuck control
- 2-position Ø20 mm boring bar holder (for turret)
- Fixed ID tool ER20 collet holder (for turret)
- ER20 collet nut (for optional fixed ID tool ER20 collet holder or 2/ER20 face live tool attachment)
- Ø18 mm shank fixed OD tool holder (for interchange with cross live tool ER16 collet holder)
- Cross live tool ER16 collet holder (spare for use when face live tool attachment is to be removed and interchanged)
- Safety door switch for cutting tool room
- Tail stock
- Live center for the tail stock
- Transformer(3 Ø380-415 / 220V x 10KVA)
- 2/ER20 type face live tool attachment

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GE FONG G-42HA-DET FIXED HEAD CNC LATHE 走刀式CNC電腦自動車床

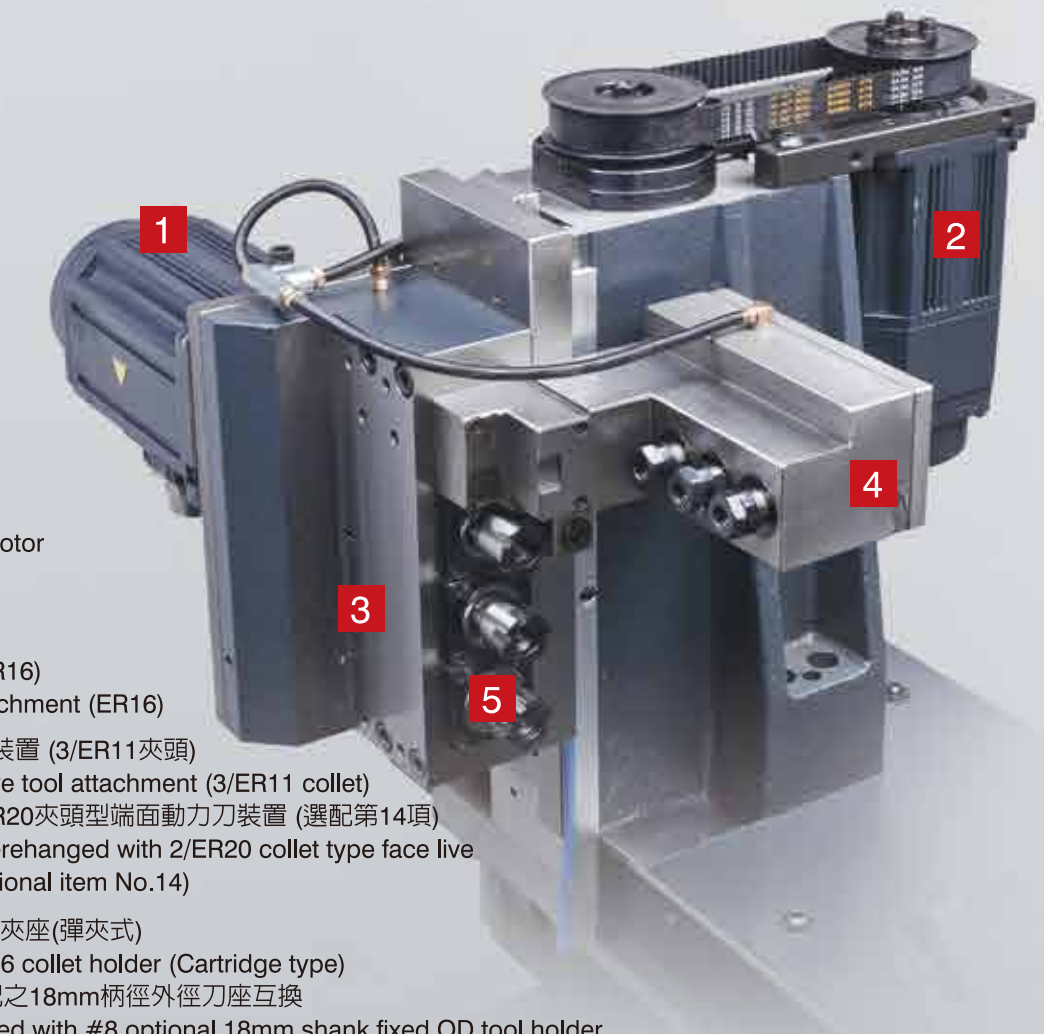


錡峯機械股份有限公司
GE FONG MACHINERY CO., LTD.

GE FONG G-42HA-DET FIXED HEAD CNC

走刀式CNC電腦自動車床

刀塔與Y軸之側/端面動力刀座組合，兼具車銑功能，高效率！
 A combination of turret and cross / face live tool attachment (with Y axis) designed for turning and milling with extra high efficiency.



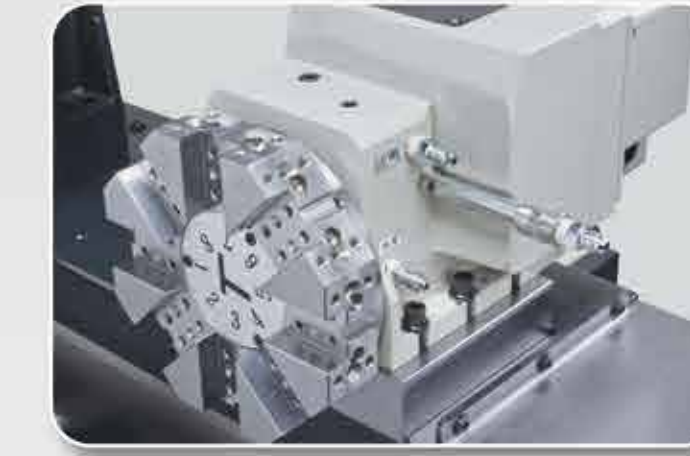
- 動力刀主軸馬達
Live tool spindle motor
- Y軸馬達
Y-axis motor
- 側面動力刀裝置(ER16)
Cross live tool attachment (ER16)
- 可拆式端面動力刀裝置 (3/ER11夾頭)
Detachable face live tool attachment (3/ER11 collet)
註：可拆下改裝2/ER20夾頭型端面動力刀裝置 (選配第14項)
Note: It can be interchanged with 2/ER20 collet type face live tool attachment (Optional item No.14)
- 側面動力刀ER16筒夾座(彈夾式)
Cross live tool ER16 collet holder (Cartridge type)
可拆下與第8項選配之18mm柄徑外徑刀座互換
Can be interchanged with #8 optional 18mm shank fixed OD tool holder.

Servo turret + Side tool attachment + End tool attachment A Boost in Efficiency and Accuracy



伺服刀塔+側面刀座+端面刀座 效率、精度輕鬆提升

- 內徑、外徑、側面加工及端面偏心孔、攻牙一次完成。
 - Cs軸提供輪廓車削功能(刻字、輪廓雕刻)。任意角度定精準。
 - 8刀位伺服刀塔
 - 氣壓式尾座可支撐長工件。
 - 若需要用4支側面動力刀時，可拆下端面動力刀裝置，再裝上備用之側面動力刀ER16筒夾座(選配第9項)。
 - 側面動力刀ER16筒夾座使用彈夾式設計，可拆下與固定式Ø18 mm柄徑外徑刀座互換。
 - C軸配合油壓碟式煞車，加工穩定性提升。
 - 工件加工完成，接料器將工件送到工件盒，工件可在外部從工件盒內取出。
 - 旋轉式操作箱，試機更方便。
- ID, OD, cross machining, off-center drilling and tapping can be efficiently accomplished in one setup.
 - The Cs-axis provides contouring functions (words and pattern engraving). The spindle accurately orientates at any angle.
 - 8-position servo turret.
 - Pneumatically operated tailstock helps hold long workpiece firmly.
 - If 4 cross live tools are required, the face live tool attachment can be removed and interchanged with a spare cross live tool ER16 collet holder (optional item No. 9).
 - The cross live tool ER16 collet holder is cartridge type, and can be interchanged with Ø18mm shank fixed type OD tool holder.
 - The C-axis is equipped with a disc brake, ensuring improved stability of machining.
 - Once parts machining is finished, the parts catcher will deliver the parts to the parts collection box, and then can be taken out outside the machine.
 - Swing control box facilitates running test.



- 8刀位伺服刀塔**
- 伺服刀塔可安裝內徑刀及外徑刀。
 - 可安裝雙孔內徑刀座(選配)。
- 8-position Servo Turret**
- The servo turret can be fitted with ID and OD tools.
 - Also available to fit with a 2-position ID tool holder (optional).



- 氣壓式尾座**
- 尾軸管之致動氣缸行程採用近接開關控制。依工件長度作適當伸出。
 - 氣缸具緩衝特性，有效避免加工時尾座振動問題。
- Pneumatically Operated Tailstock**
- The stroke of the air cylinder that actuates the tailstock quill is controlled by a proximity switch to suit workpiece length.
 - The air cylinder features buffering function to eliminate vibration of the tailstock while machining.



- C軸煞車**
- C軸採用油壓碟式煞車，除了確保主軸定位精度可達0.001°，並且可鎖固主軸，提升側面及端面重切削時之穩定性(如側面鑽孔、攻牙、銑削及端面偏心加工等)。
- C-axis Brake**
- The C-axis employs a hydraulic disc brake, enabling spindle orientating accuracy to reach 0.001°. Another benefit is to lock the spindle securely for increasing stability when performing heavy cutting on end and side faces. (Such as cross drilling, tapping, milling and end-face off-center machining.)

專精於自動車床的錡鋒公司，再度成功推出G-42HA-DET CNC自動車床，將伺服刀塔與Y軸側/端面動力刀座結合在一機，可加裝氣壓式尾座，無論是長、短工件加工，都表現高效能、精準的性能。

Ge Fong Machinery, a specialized automatic lathe manufacturer, presents the new G-42HA-DET CNC lathe. It combines a servo turret and two cross / face live tool attachments with Y axis in one machine, and is equipped with a pneumatically operated tailstock. This makes the machine ideal for cutting long and short workpieces and exhibits high efficiency and high accuracy features.



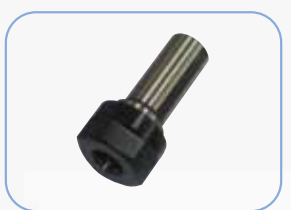
▲ 固定式內徑ER16筒夾座(標配4個)
● Fixed ID tool ER16 collet holder (standard, 4 pcs)



▲ ER16 筒夾螺母(標配7個)
● ER16 collet nut (standard, 7 pcs)



▲ 側面固定式18mm柄徑外徑刀座(選配)
● Ø18mm shank fixed OD tool holder (optional)



▲ 固定式內徑ER20筒夾座含螺母(選配)
● Fixed ID tool ER20 collet holder with nut (optional)