



動力直驅，挑戰巔峰

Power Drive x Ultimate Challenge

銑削主軸
Milling Spindle



SMI190

特色

- 心軸經過深冷處理，熱變量小，加工精度優良
- 內部冷卻系統採螺旋式循環，達高效率運作
- 採多顆排列歐洲軸承，實現卓越剛性
- 內置標配PT-100 溫度感測器



SM231

Features

- Thermal deformation is lower owing to cryogenically treated shaft. Machining accuracy is excellent.
- The internal cooling system adopts spiral circulation to achieve high-efficiency operation.
- Equipped with multiple arranged European bearings, achieving exceptional rigidity.
- Equipped with PT-100 temp sensor.

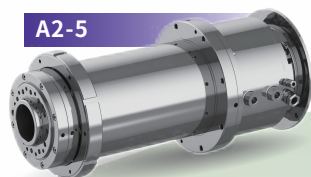
車床電主軸
Lathe Electro spindle

產品特色：

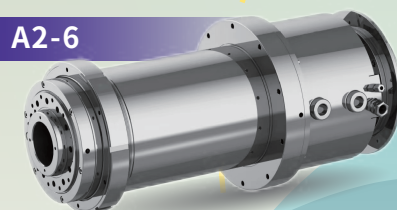
- 體積小、安裝便捷
- 低速大扭力
- 馬達後置售後無憂
- IP68 防水、防塵等級

Features:

- Compact size, easy installation
- High torque at low speed
- Rear-mounted motor for hassle-free maintenance
- IP68 rating



A2-5



A2-6



Redefine
Tomorrow

Realize
Potential



TIMTOS

Mar. 3~8

逆風成長
一路同行

Hall 2/4F Booth#
S1004



霄特國際 X 特品國際



Apr. 21~26

第19屆中國國際機床展覽會
THE 19TH CHINA INTERNATIONAL
MACHINE TOOL SHOW

上海德霄 參展

Exhibitor : GP Int'l Co.,Ltd
Booth No.

B3-901



EMO
HANNOVER
22-26/09/2025

Coming Soon...



GPM



GP

HITECO
HIGH TECHNOLOGY COMPONENTS

最佳合作夥伴

執著匠魂 x 臻於至善

The Perfect Partnership

Persistence x Perfection

產品特色

- 可應用於金屬與複合材料加工
- 剛性升級，穩定切削
- 雙臂設計夾持力 4000Nm
- A軸角度±120°，加工靈活度大幅提升
- 直驅式馬達，提高加工精度

TILT M



Features

- Suitable for metal and composite material processing
- Rigidity Upgrade for Stable Cutting
- Dual-arm design with 4000Nm clamping force
- ±120° A-axis for enhanced machining flexibility
- Direct-drive motor for superior machining accuracy

TILT H PLUS

產品特色

- 可應用在鋁合金、木工、塑膠材料、複合材料加工
- 頭部的緊密設計，減小旋轉本體的體積
- 強力的制動扭矩和剛性設計
- C軸的旋轉角度±320°，可達到最大的加工角度為±325°
- 定位精度 (1 arcmin)

Features

- Applicable in processing aluminum alloy, woodworking, plastic materials, and composite materials.
- The compact design of the head reduces the volume of the rotating body.
- Strong braking torque and rigid design.
- The rotation angle of the C-axis is ±320°, achieving a maximum processing angle of ±325°.
- Positioning precision (1 arc/min)



Capto

高精 高速 方案

High accuracy solution



Push button **按鈕式**

操作簡單，換刀速度快，
油壓提供穩定夾持力。
Simple operation. Fast tool change.
Hydraulic system provides stable
clamping force.

手動換刀 Manual tool change

人工操作，結構簡單。
Capto clamping unit embedded inside tool
disc. Easy and fast operation.
Repeating accuracy 2 μ m.



產品特色

- Capto 特殊三角多邊形錐度面提供高扭矩與高夾持剛性
- 模組化設計,可快速換刀
- 重覆精度可達2 μ m
- 適用車削、銑削、鑽削等各式加工

Features

- Triangular pyramid surface of CAPTO system ensures superior rigidity, which translates to higher precision in machining operations. Repeating accuracy 2 μ m.
- Balanced, concentric, self-centering features and modular design enable quick tool change and boosts productivity.
- Applicable to various machining purposes.

2025年第17屆工具機
研究發展創新產品競賽

長時運轉 × 中置Y軸

8000rpm Continuous Motion Type

X

Y-axis central mount

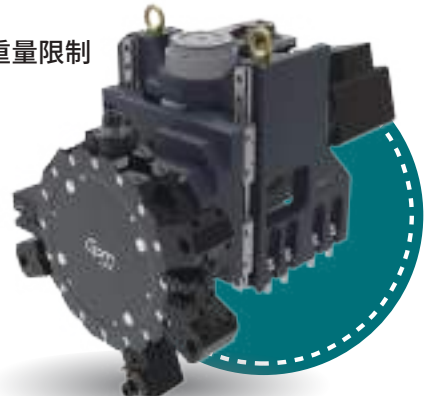
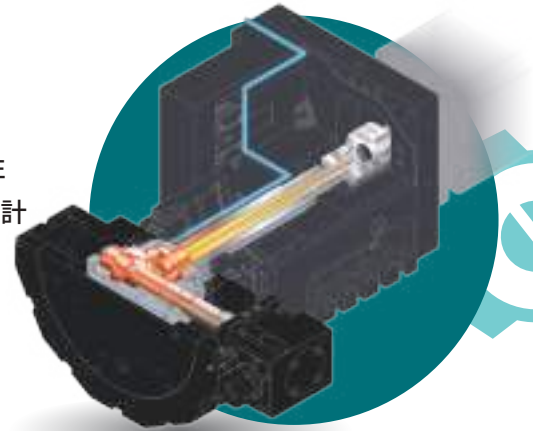
產品特色

高速長時運轉、降低熱變形：

- 專利散熱設計、維持刀盤熱穩定性
- 動力刀轉速8000rpm，低碳排放設計
- 可用於乾切加工條件

超高壓出水70~150bar
內建PT100高精度溫度感測器

- Y軸行程：± 50 mm
- 四滾柱線軌及一螺桿
- 干涉小，可節省30%以上配置空間
- 應用面：可配置斜床身，擺脫傳統外掛式Y軸重量限制
- 適合中/輕切削應用
- 介面：BMT45、BMT55、BMT65



Features

High speed , long time operation

- Patented design – Reducing thermal deformation
- Tool drive speed < 6000rpm : continuous operation allowed
- Tool drive speed at 8000rpm : continuous operation for 30mins; thermal displacement of tool disc < 10 μ m, temp < 65°C

High pressure coolant : 70~150bar
PT-100 high precision temp sensor

- 4 Roller type linear guideway center mounted screw design.
- Interference is reduced by about 30%.
- Suitable for high-complex processing.
- Suitable for medium~light cutting.
- Y-axis travel ±50mm
- Interface: BMT45, BMT55, BMT65



2D Animation

12,000轉內藏式刀塔

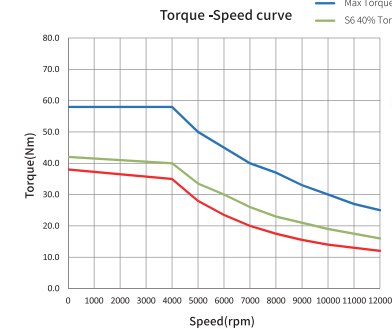
12,000 rpm DD Turret

榮獲

經濟部主題館
六個亮點案例

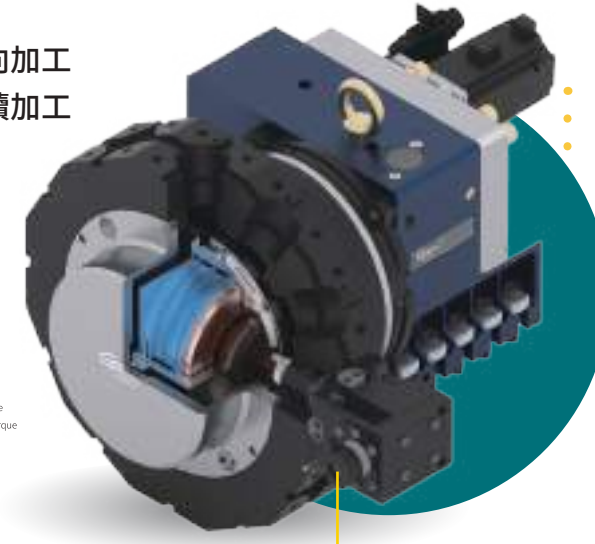
產品特色

- 內藏式馬達設計，節省安裝空間 25~30%
- 轉速高達 12,000 rpm (size 20)
- 扭力高達 35 Nm (size 20)
- 適用 BMT 介面
- 特殊本體設計，可背向加工
- 特殊冷卻系統，可連續加工
- 可乾切加工
- 極靜作業



Features

- Built-in motor design, saves 25~30% installation space
- Speed up to 12,000 rpm (size 20)
- Torque up to 35 Nm (size 20)
- Suitable for BMT interfaces
- Special housing design for back machining
- Special cooling design for continuous motion processing
- Dry cutting possible
- Quiet running



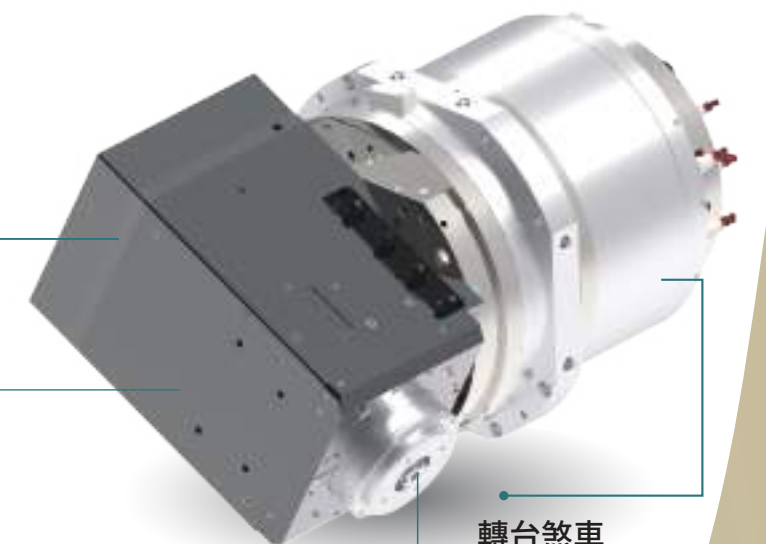
可選搭 Capto 介面

TURN-MILL head

B軸車銑頭

Motor spindle + B-axis DD table

搭載永磁馬達，體型小巧
Equipped with permanent-
magnet motor, compact design
(HSK-T63 : L 464mm)



最高轉速/ Max speed: 12,000 rpm
S1 torque: 88.3 Nm

轉台煞車
標配：72齒三片齒(5度一分割)
Brake on table
Std：72 teeth coupling
(5degree/split)

多種刀具系統選擇
Multiple tool system available
(HSK T40/63/100,Capto C4/C6/C8)