



Model: **GT series**

中空軸旋轉平台

- 具有優異定位精度與重複精度的中空旋轉平台，可搭配使用伺服馬達或步進馬達，展現獨特的性能可靠度。
- With outstanding positioning accuracy and repeatability, the Hollow Rotating Table is available to use servo motor or stepping motor drive and exhibits exceptional dependability of performance.

特性 Features

- 工作物可直接鎖固。
- 旋轉盤面可直接鎖固工作物，提升工件裝載之方便性。
- 配線方便。
- 此旋轉平台為中空式設計，無論是配線或配管均方便。
- 高精度。
- 定位精度小於一分。
- 重複精度可達±5秒。
- 運轉動作平穩。
- 盤面轉動平穩、順暢，且定位快速。
- 適用各種馬達。
- 中空旋轉平台可採用各種廠牌之伺服馬達或步進馬達驅動。
- Direct Mounting of Workpiece
- The rotating table allows for direct mounting of workpiece for added convenience in workpiece loading.
- Convenient Wiring
- The rotating table is a hollow structure design, making it convenient for electric wiring or piping work.
- High Accuracy
- Positioning accuracy is less than 1 min.
- Repeatability may reach ±5 sec.
- Stable Rotating Motion
- The table rotation is stable and smooth as well as fast in positioning.
- Suitable for Various Motors
- The rotating table can be driven by various brands of servo motors or stepping motors.

Model	GT-60		GT-85	
	42型步進馬達 42 Type Stepping Motor	100W AC伺服馬達 100W AC Servo Motor	60型步進馬達 60 Type Stepping Motor	200~400W AC伺服馬達 200~400W AC Servo Motor
旋轉平台軸承 Bearings of rotating table	深溝滾珠軸承+止推滾珠軸承 Deep groove ball bearing + Thrust ball bearing		圓錐滾子軸承 Taper roller bearing	
容許轉矩 Permissible torque	3.5 N.m		20 N.m	
慣性慣量 Moment of inertia	2330 x 10 ⁻⁷ kg.m ²		3898 x 10 ⁻⁶ kg.m ²	
允許轉速 Permissible speed	300 rpm (盤面 Disk)	200 rpm (盤面 Disk)	200 rpm (盤面 Disk)	
解析度 P/R Resolution P/R	半步進設定~微步進設定 Semi-step setting~ Micro-step setting 5,000 ~ 600,000	依伺服馬達規格 Dep. on servo motor specif.	半步進設定~微步進設定 Semi-step setting~ Micro-step setting 8,000 ~ 1500,000	依伺服馬達規格 Dep. on servo motor specif.
減速比 Speed reduction ratio	直結式減速機 1:5, 1:20 直角減速機 1:10 Direct-drive reducer 1:5, 1:20 Right angle reducer 1:10	直角減速機 1:10 Right angle reducer 1:10	直結式減速機 1:8 Direct-drive reducer 1:8	直角減速機 1:16 Right angle reducer 1:16
定位精度 Positioning accuracy	≤ 1 mins		≤ 1 mins	
反覆定位精度 Repeatability	± 10 sec		± 5 sec	
容許推力載重 Permissible thrust force	20 kgf		200 kgf	
容許慣性載重 Permissible load of inertia	5 N.m	10 N.m	60 N.m	
旋轉平台平行度 Parallelism of rotating table	± 5 μm		± 2 μm	
旋轉平台同心度 Concentricity of rotating table	≠0.01 mm		≠0.01 mm	
保護等級 Protection class	40 IP		40 IP	
重量 Weight	2.2 kg		3 kg	

HOLLOW ROTATING TABLE

✦ 應用範例 Application Examples



Type Stepping Motor



AC Servo Motor

✦ 型號識別 Model Identification

GT **60** **R** - **10** - **ST**

1 2 3 4 5

1. 類別	Type	中空軸旋轉平台 Hollow Rotating Table
2. 規格	Specifications	60 : 60 type 85 : 85 type 110 : 110 type 135 : 135 type
3. 馬達連接形式	Motor connection type	無 : 本體 (No: body) R : 直角減速機(選配) (Opt. R : Right angle reducer)
4. 減速比	Speed reduction ratio	直結式(Direct drive) : 1:5 直角減速機(Right angle reducer) : 1:15, 1:20, 1:30
5. 馬達類型	Motor type	ST : 步進馬達 SV : 交流伺服馬達 SVT : 伺服步進馬達 ST : Stepping motor SV : AC servo motor SVT : Servo stepping motor

GT-110		GT-135	
60型步進馬達 60 Type Stepping Motor	200~400W AC伺服馬達 200~400W AC Servo Motor	85型步進馬達 85 Type Stepping Motor	750W AC伺服馬達 750W AC Servo Motor
圓錐滾子軸承 Taper roller bearing		圓錐滾子軸承 Taper roller bearing	
20 N.m		65 N.m	
9216 x 10 ⁻⁶ kg.m ²		85792 x 10 ⁻⁶ kg.m ²	
200 rpm (盤面 Disk)		200 rpm (盤面 Disk)	
半步進設定~微步進設定 Semi-step setting~ Micro-step setting 8,000 ~ 1500,000	依伺服馬達規格 Dep. on servo motor specif.	半步進設定~微步進設定 Semi-step setting~ Micro-step setting 10,000 ~ 1800,000	依伺服馬達規格 Dep. on servo motor specif.
直結式減速機 1 : 10 Direct-drive reducer 1:10	直角減速機 1 : 20 Right angle reducer 1:20	直結式減速機 1 : 10 Direct-drive reducer 1:10	直角減速機 1 : 20, 1:30 Right angle reducer 1:20, 1:30
≤ 1 mins		≤ 1 mins	
± 5 sec		± 5 sec	
250 kgf		500 kgf	
60 N.m		200 N.m	
± 2 μm		± 2 μm	
≒0.01 mm		≒0.01 mm	
40 IP		40 IP	
5.5 kg		14 kg	