

The SATA logo is displayed in a bold, blue, sans-serif font. The letters 'S' and 'A' are connected, as are the 'T' and 'A'. The background of the entire page is a teal color with faint white line drawings of mechanical parts, including a hollow reducer and a flange, visible in the upper left and lower right areas.

SATA

中空旋轉平台 Hollow Reducer

具有優異定位精度與重複定位精度的中空旋轉平台，可搭配伺服電機或步進電機，展現獨特的性能。

The hollow rotating platform with excellent positioning accuracy and repeated positioning accuracy can be matched with servo motor or stepper motor to display unique performance



HT

系列
series

60

規格
Specification

H

帶減速機
With reducer

5

減速比
Speed reduction ratio

特性 (Features)

中空結構(hollowed areas)

中空旋轉平臺的轉盤為中空結構，伺服電機連接在側邊，方便治具中的氣管，電線安裝

The rotary disk of the hollow rotary platform is hollow structure. The servo motor is connected on the side, which is convenient for the pipe and wire installation in the fixture

安裝方便(Easy installation)

工件盤面可直接鎖固工作物，提升工件物，提升工件裝載方便性

The workpiece surface can directly lock the workpiece, improve the workpiece, improve the workpiece loading convenience

高旋轉精度(High rotation accuracy)

伺服旋轉平臺在組裝完成後，以平臺的交叉滾子軸承為旋轉中心，再次對轉盤的外徑，斷面進行磨消（標準為精車）保證轉盤的同軸度，平行度等形位公差。

After the assembly of the servo and rotary platform, the crossed roller bearing of the platform is used as the center of rotation, and the outer diameter and section of the turntable are ground again (standard is refined) to ensure the coaxiality of the turntable, parallelism and other geometric tolerances.

電機任意搭配(Arbitrary motor configuration)

中空旋轉平臺通過定製法蘭及輸入軸的方式靈活變換接口大小，連接任電機。

The hollow rotating platform can flexibly change the size of the interface by customizing the flange and the input shaft to connect any motor.

輸出平台 Output platform

輸出平台最大口徑可達75mm (2.953 in.)

，可用於須過管線之場合，平面則可直接與各式平台結合。

The maximum diameter of output platform can reach 75mm(2.953 in). It can be used when pipeline crossing is required. The plane can be combined with various platforms.

Tapered roller bearing 圓錐滾子軸承

Pinion 小齒輪

Tapered roller bearing 圓錐滾子軸承

Gear 齒輪

重複精度為10~15弧秒，定位精度可達1弧分，為精準定位應用之理想選項。

The repetition accuracy is 10~15 arc seconds, and the positioning accuracy can reach 1 arc minute, which is an ideal option for accurate positioning.

Bolted input shaft 栓緊式入力軸

入力端可安裝伺服馬達、步進馬達或行星式減速機。
The input end can be equipped with servo motor/stepping motor/or planetary reducer.

特色 Characteristic:

- > 內設減速比
Internal reduction ratio
- > 定位精度佳(≤1弧分)
High positioning accuracy(≤1Arc minute)
- > 慣性負載下運轉平穩、定位精準
Stable operation and accurate positioning under inertia load
- > 大型中空式旋轉盤面設計
Design of large hollow rotating disk
- > 工作平台可直接與工件配合，提高便利性
The working platform can directly cooperate with the workpiece to improve the convenience
- > 易安裝、省空間
Easy to install and save space
- > 可達到配線(管)之機構需求
It can meet the organization requirements of wiring pipe
- > 馬達或減速機皆可搭配使用，提供您多種選單。
Motor or reducer can be used together, providing a variety of options

應用範圍 Scope of application:

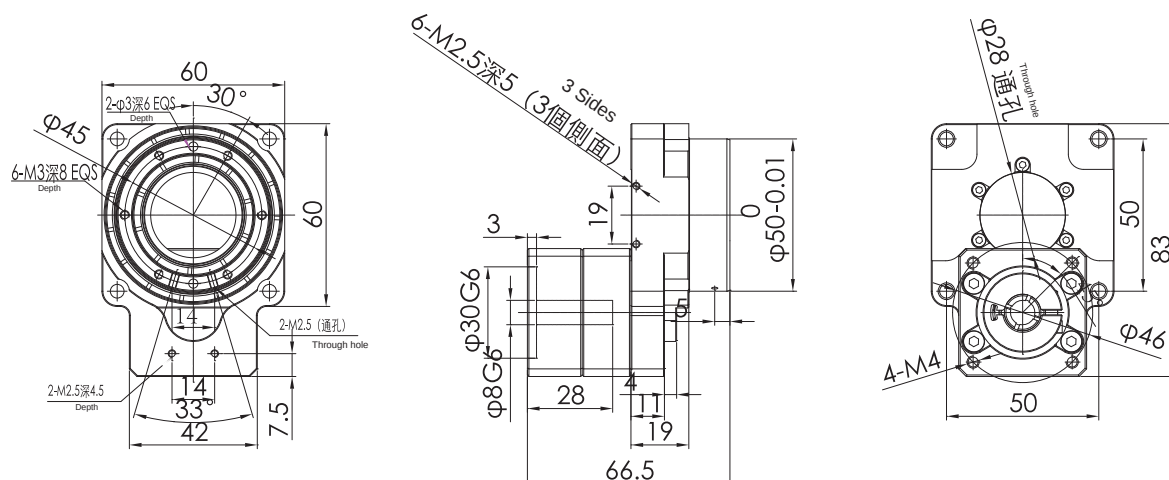
- > 分度盤
Indexing plate
- > 光學檢測設備
Optical inspection equipment
- > 彎矩負載應用，如取放系統
Bending load application, feeding and discharging system
- > 高精度定位設備，如物料搬運平台
High-accuracy positioning equipment, such as material handling platform

產品規格 Product specifications	HT060
馬達種類 Motor type	100W
旋轉平臺軸承 Rotating platform bearing	交叉滾子軸承 Cross roller bearing
減速比 Reduction ratio	5
允許轉矩 Allowable torque	5.2 N.m
允許轉速 Allowable speed	rpm 300 (盤面) Disk surface
容許軸向力 Allowable axial force	250 N
重複定位精度 Repeat positioning accuracy	±5 arcsec
旋轉平臺平行度 Parallelism of rotating platform	±0.003 mm
旋轉平臺同軸度 Coaxiality of rotating platform	±0.003 mm
防護等級 Degree of protection	40 IP
壽命 Life span	15000 H
重量 Weight	1.2 KG

註：1r=360° 1°=60' (arc-min) 1' =60" (arc-sec)

圓周誤差換算直線誤差：盤面直徑×3.141592÷ (360° ×60' 60")
Circumferential Error Converted to Linear Error: Disk Diameter

HT060



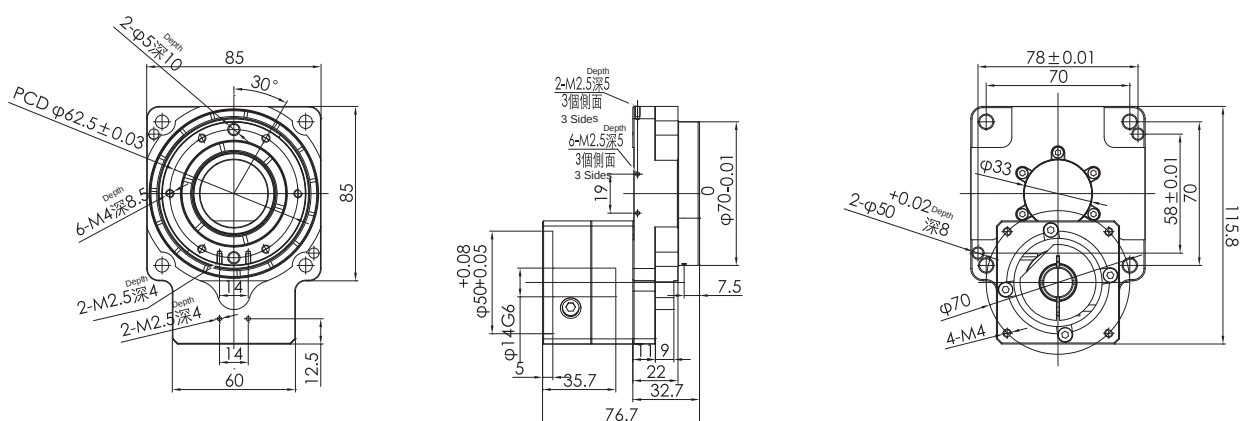
產品規格 Product specifications	HT85
馬達種類 Motor type	200W
旋轉平臺軸承 Rotating platform bearing	交叉滾子軸承 Cross roller bearing
減速比 Reduction ratio	10
允許轉矩 Allowable torque	8 N.m
允許轉速 Allowable speed	rpm 300 (盤面) Disk surface
容許軸向力 Allowable axial force	500 N
重複定位精度 Repeat positioning accuracy	± 5 arcsec
旋轉平臺平行度 Parallelism of rotating platform	± 0.003 mm
旋轉平臺同軸度 Coaxiality of rotating platform	± 0.003 mm
防護等級 Degree of protection	40 IP
壽命 Life span	20000 H
重量 Weight	1.8 KG

註：1r=360° 1°=60' (arc-min) 1' =60" (arc-sec)

圓周誤差換算直線誤差：盤面直徑×3.141592÷ (360° ×60' 60")

Circumferential Error Converted to Linear Error: Disk Diameter

HT85

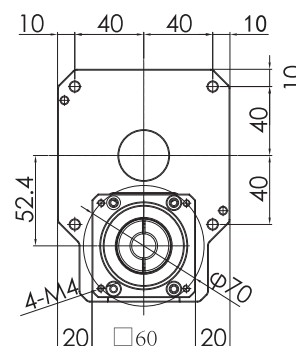
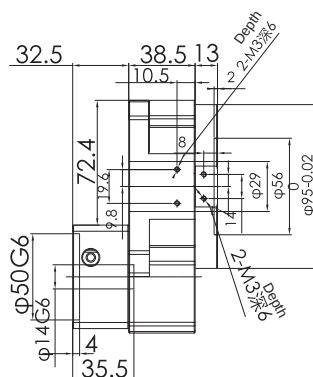
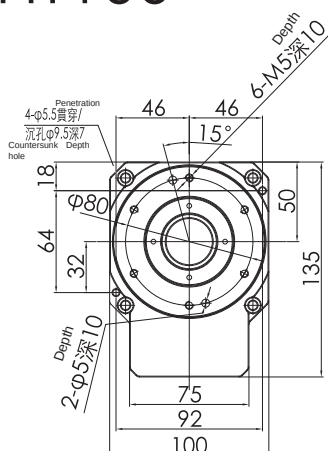


產品規格 Product specifications	HT100
馬達種類 Motor type	400W
旋轉平臺軸承 Rotating platform bearing	圓錐滾子軸承 Tapered roller bearing
減速比 Reduction ratio	8
允許轉矩 Allowable torque	45 N.m
允許轉速 Allowable speed	rpm 200 (盤面) Disk surface
容許軸向力 Allowable axial force	900 N
重複定位精度 Repeat positioning accuracy	± 10 arcsec
旋轉平臺平行度 Parallelism of rotating platform	< 0.02 mm
旋轉平臺同軸度 Coaxiality of rotating platform	< 0.015 mm
防護等級 Degree of protection	40 IP
壽命 Life span	20000 H
重量 Weight	3.0 KG

註：1r=360° 1°=60' (arc-min) 1' =60" (arc-sec)

圓周誤差換算直線誤差：盤面直徑×3.141592÷ (360° × 60' 60")
Circumferential Error Converted to Linear Error: Disk Diameter

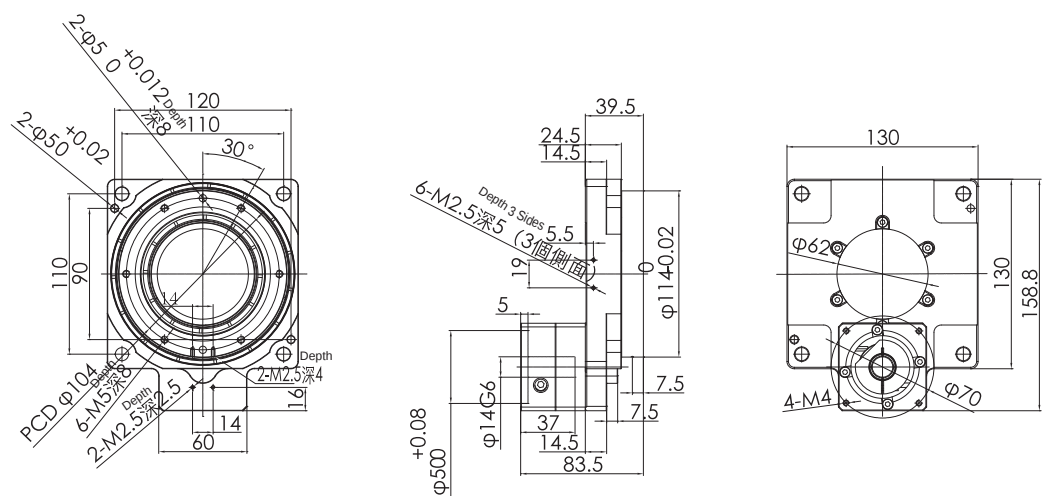
HT100



產品規格 Product specifications	HT130	
馬達種類 Motor type	400W	
旋轉平臺軸承 Rotating platform bearing	交叉滾子軸承 Cross roller bearing	
減速比 Reduction ratio	10	18
允許轉矩 Allowable torque	32 N.m	
允許轉速 Allowable speed	rpm 250 （盤面） Disk surface	
容許軸向力 Allowable axial force	2000 N	
重複定位精度 Repeat positioning accuracy	±5 arcsec	
旋轉平臺平行度 Parallelism of rotating platform	±0.003 mm	
旋轉平臺同軸度 Coaxiality of rotating platform	±0.005 mm	
防護等級 Degree of protection	40 IP	
壽命 Life span	20000 H	
重量 Weight	4.0 KG	

註：1r=360° 1°=60'（arc-min）1' =60"（arc-sec）
圓周誤差換算直線誤差：盤面直徑×3.141592÷（360°×60' 60"）
Circumferential Error Converted to Linear Error: Disk Diameter

HT130

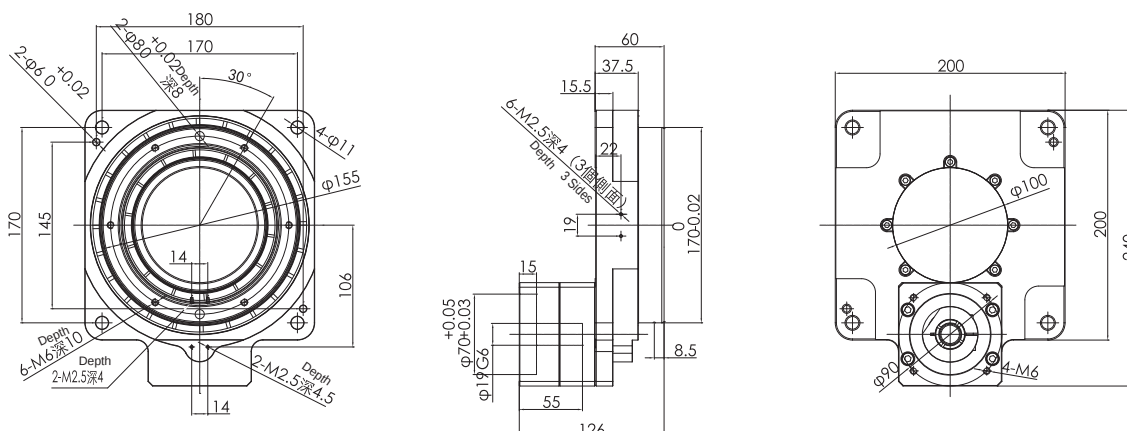


產品規格 Product specifications	HT200	
馬達種類 Motor type	750W	
旋轉平臺軸承 Rotating platform bearing	交叉滾子軸承 Cross roller bearing	
減速比 Reduction ratio	10	18
允許轉矩 Allowable torque	65 N.m	
允許轉速 Allowable speed	rpm 250 (盤面) Disk surface	
容許軸向力 Allowable axial force	4000 N	
重複定位精度 Repeat positioning accuracy	± 5 arcsec	
旋轉平臺平行度 Parallelism of rotating platform	± 0.003 mm	
旋轉平臺同軸度 Coaxiality of rotating platform	± 0.005 mm	
防護等級 Degree of protection	40 IP	
壽命 Life span	20000 H	
重量 Weight	17.1 KG	

註：1r=360° 1°=60' (arc-min) 1' =60" (arc-sec)

圓周誤差換算直線誤差：盤面直徑×3.141592÷ (360° ×60' 60")
Circumferential Error Converted to Linear Error: Disk Diameter

HT200



註：1r=360° 1°=60' (arc-min) 1' =60" (arc-sec)
圓周誤差換算直線誤差：盤面直徑×3.141592÷ (360° ×60' 60")
Circumferential Error Converted to Linear Error: Disk Diameter

Technical drawing of a circular flange with a central hole and eight bolt holes. The drawing includes dimensions for outer diameter (260), inner diameter (230), and various hole diameters and depths. Annotations specify hole types: 2-M2.5 deep 1.5 (for the central hole), 2-M2.5 deep 1.5 (for the eight bolt holes), and 2-M2.5 deep 4.5 (for the central hole, symmetrical distribution). The drawing also shows a 15-degree chamfer on the outer edge and a 14mm dimension for the central hole's diameter.

