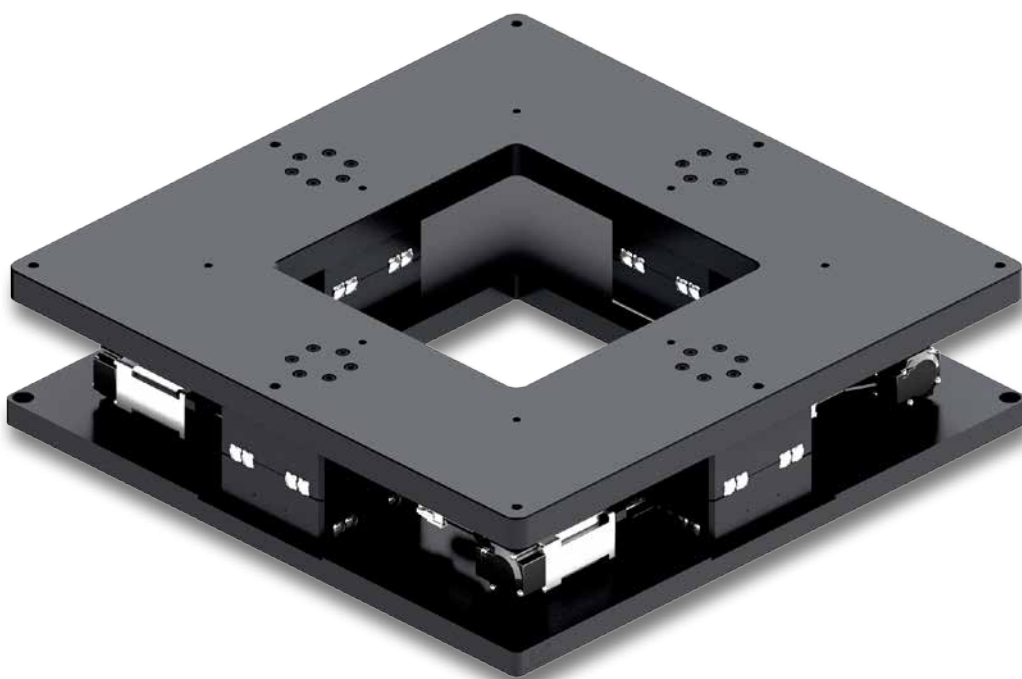




XXY Series Precision Positioning Table

Peristaltic cross rail, high-precision
cross roller bearing support, stable performance



XXY Precision Positioning Table widely used in Optical measuring instruments, ccd visual bit instruments, lcd panel detection, semiconductor processing, laser cutting and drilling, flat coating machines, numerical control equipment, grinding equipment, wafer alignment equipment, exposure equipment, composite machines, etc.

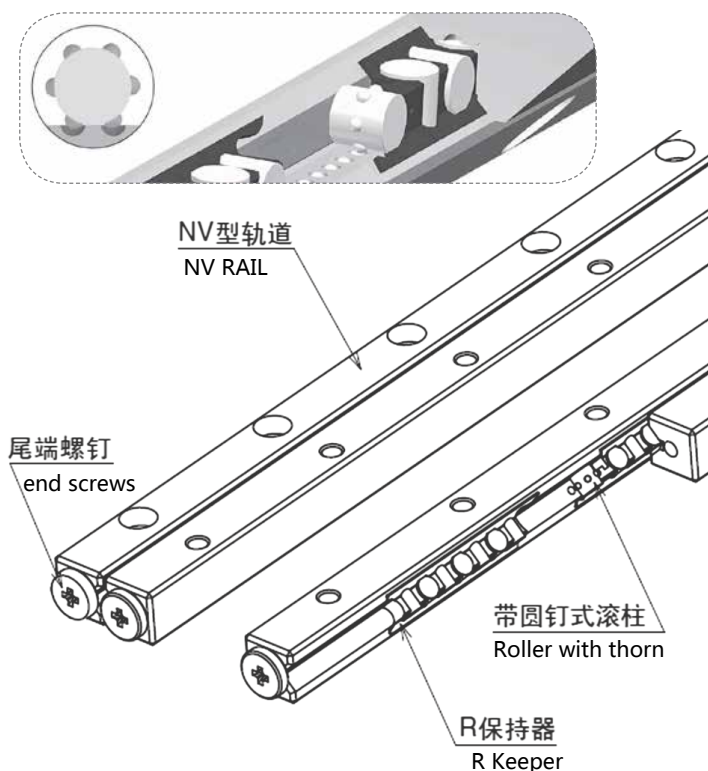
- Thin Design Saves Space

The three-axis co-graphic design greatly reduces the overall height, and the overall platform is lighter and thinner, saving more space;

- High Accuracy. High Rigidity. High Stability

Peristaltic cross rail, high-precision cross roller bearing support and stable performance make precision positioning table of G+ with high accuracy, high rigidity and high stability.

Anti-creep cross-rail system



XXY precision positioning table of G+, leading the use of anti-creep cross-rail system, its cross-rail roller. Its cross ball guide rail is composed of a precision grinding track and a built-in retainer with a nail roller. Because the retainer has a screw roller, the track and the rolling body will not slip, so it greatly improves the stability performance of the alignment platform, especially in the process of high-speed operation, and the rigid performance of the structure is better.

Accessories of XXY precision positioning table :

Strict quality checks have been carried out incoming materials, assembly, testing and other links to ensure the accuracy, stability and service life of the platform of G+'s XXY precision positioning table.



尼得科/Nidec
Screw -C5 Grinding



锅屋百迪/NBK
Coupling - Rigid Coupling



易格斯/Igus
Lines- Ultra-flexible shield



恩碧 /NB
Rail - Anti-creep



克鲁勃/Klueber
Oil - Low-dust Synthetic Fat



吉嘉/G+
Cross Roller Bearing-IP4 / Rail- Anti-Creep



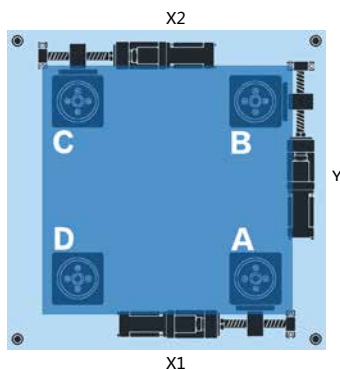
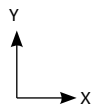
鸣志 /MoonS'
Motor- Two-phase Step Motor /
Drive - Pulse lines



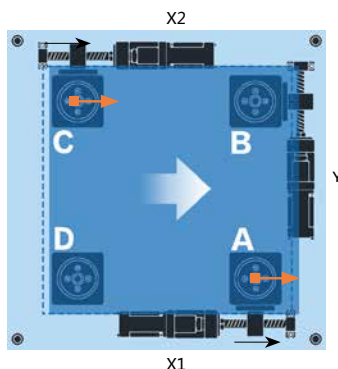
日本信浓 /Shinano kenshi
Motor - Two-phase Step Motor

■ XXY Moving Way

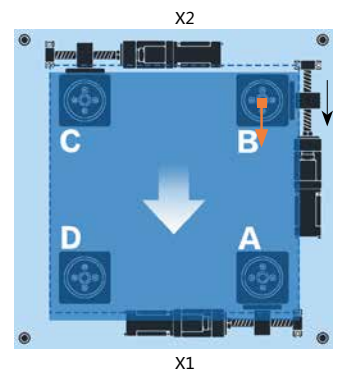
*Active shaft: A、B、C , Positive Shaft: D



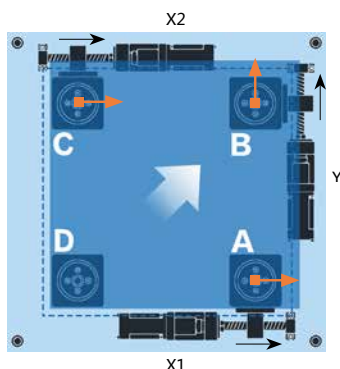
01 Initial Position
X1、X2、Y Stay in original



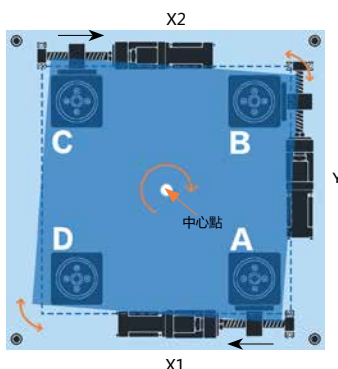
02 X move direction
X1、X2 working , Y stay



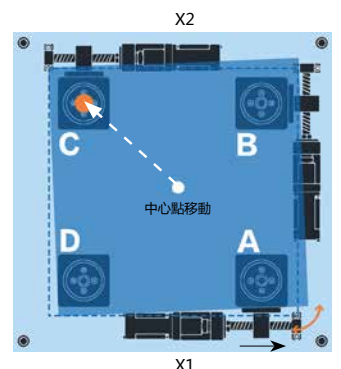
03 Y move direction
X1、X2 stay , Y working



04 Random Oblique move
X1、X2、Y working according to the program algorithm

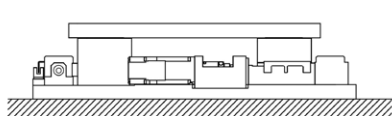


05 Rotate with the centre of the platform
X1、X2、Y working according to the program algorithm

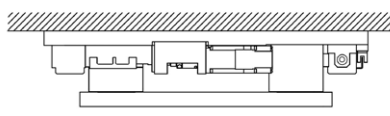


06 Rotate with any point as centre
X1、X2、Y working according to the program algorithm

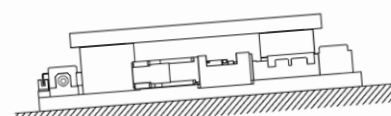
■ Installation and Precaution



Horizontal Installation ✓

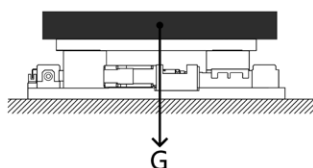


Invert Installation ✓

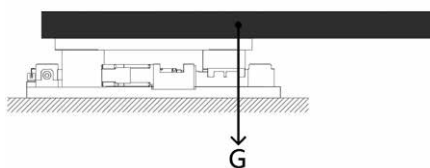


Tilting Installation ✗

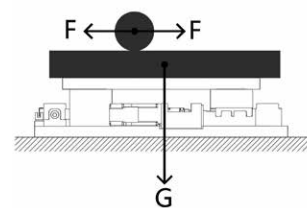
■ Load Installation Precaution



Load Installation needs to ensure uniform force on the platform



* The load is centered on the platform side.



* Increase load during operation.

* The load is forced on the side of the platform and the load increased during operation. Please consult your load dealer.

■ XXY160 Model Identification

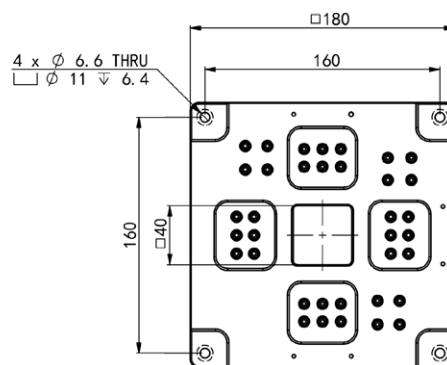
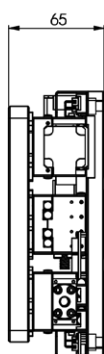
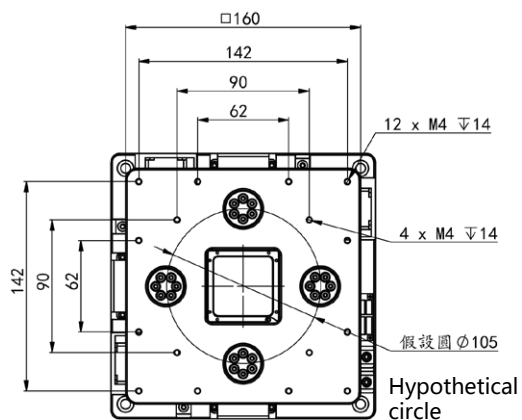
Series	Size	Stroke	Drive Style	Support Style	Rails	Brakes	Motor Type
3 Axis	160	5	M	C	4	0	B28
		±5mm	Mid-drive	Cross Type	4 : 4 pcs	0: None 1: 1 pc	B28 : Step motor Φ28 S5ZC1 : 50W Servo Motor PCD45-Φ30-Φ8-M3 S5ZC2 : 50W Servo Motor PCD46-Φ30-Φ8-M4

■ XXY160 Technical Parameter

Item	Model No.	XXY160-5-MC40-B28 XXY160-5-MC41-B28	XXY160-5-MC40-S5ZC1 XXY160-5-MC40-S5ZC2 XXY160-5-MC41-S5ZC1 XXY160-5-MC41-S5ZC2
Table Size		160mm×160mm	
Base Size		180mm×180mm	
Height		65mm	
Stroke		±5mm	
Repeatability		2μm	
Movement		±5°	
Horizontal		±0.02mm	
Motor		Step motor Φ28	50W Servo Motor
Stroke of Ball Screw		1mm	
Suggested Load		30KG	
Stay Still Load		120KG	
Surface Treatment		Black Anodizing Sandblasting Treatment	
Weight		3KG	

XXY
GXYR
GX
GZ
GTZ
GXY
GXYZ
GTXYZ
GR
GSH
GSR
GSHR
GSA
GSN
GSB
GSG
Parameter
GSZ
GMR
GMC
GMA
GML

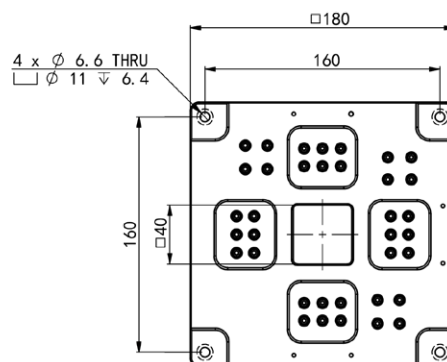
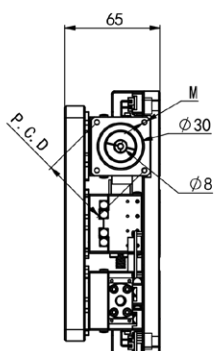
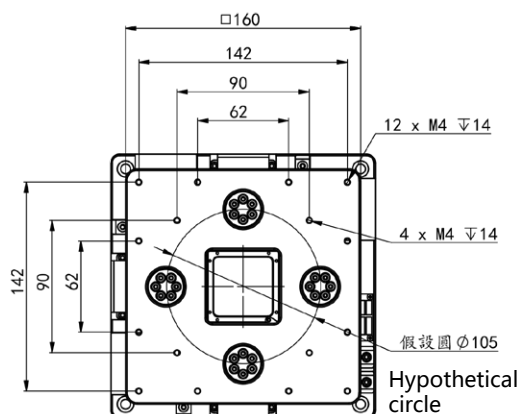
■ **XXY160-5-MC40-B28**
XXY160-5-MC41-B28



■ **XXY160-5-MC40-S5ZC1**
XXY160-5-MC41-S5ZC1
XXY160-5-MC40-S5ZC2
XXY160-5-MC41-S5ZC2



S5ZC1 : 50W Servo Motor
PCD45- ϕ 30- ϕ 8-M3
S5ZC2 : 50W Servo Motor
PCD46- ϕ 30- ϕ 8-M4



■ XXY200 Model Identification

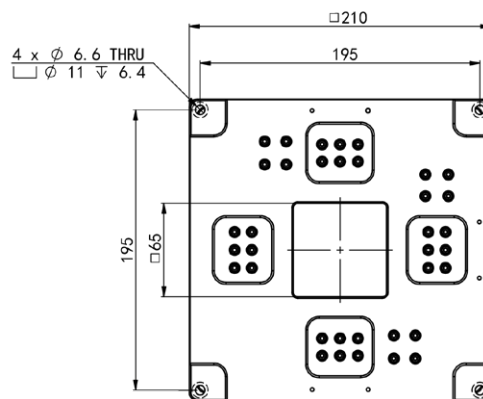
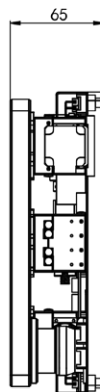
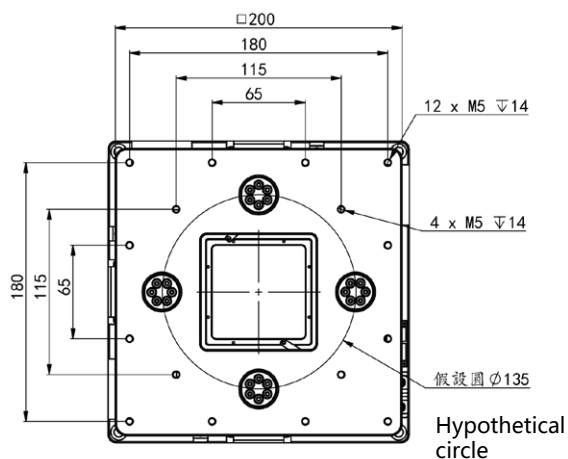
Series	Size	Stroke	Drive Type	Support Type	Rails	Brakes	Motor Type
3 Axis	200	5	M	C	4	0	B28
		±5mm	Mid-drive	Cross Type	4 : 4 pcs	0: None 1: 1 pc	B28 : Step Motor Φ 28 S5ZC1 : 50W Servo Motor PCD45-Φ30-Φ8-M3 S5ZC2 : 50W Servo Motor PCD46-Φ30-Φ8-M4

■ XXY200 Technical Parameter

Item	Model No.	XXY200-5-MC40-B28 XXY200-5-MC41-B28	XXY200-5-MC40-S5ZC1 XXY200-5-MC40-S5ZC2 XXY200-5-MC41-S5ZC1 XXY200-5-MC41-S5ZC2
Table Size		200mm×200mm	
Base Size		210mm×210mm	
Height		65mm	
Stroke		±5mm	
Repeatability		2μm	
Movement		±4°	
Horizontal		±0.02mm	
Motor Type		Step Motor Φ 28	50W Servo Motor
Stroke of Ball Screw		1mm	
Suggested Load		30KG	
Stay Still Load		120KG	
Surface Treatment		Black Anodizing Sandblasting Treatment	
Weight		4KG	

XXY
GXYR
GX
GZ
GTZ
GXY
GXYZ
GTXYZ
GR
GSH
GSR
GSHR
GSA
GSN
GSB
GSG
Parameter
GSZ
GMR
GMC
GMA
GML

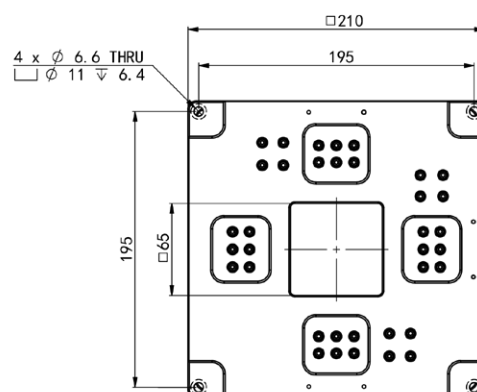
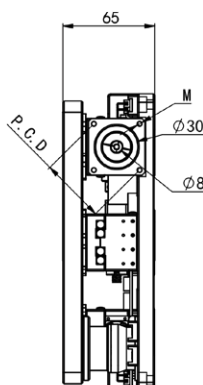
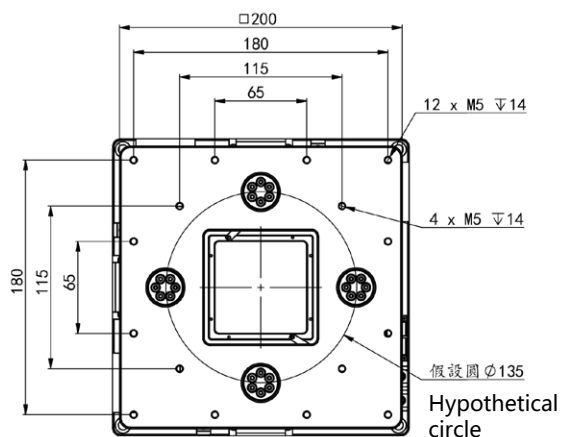
■ XXY200-5-MC40-B28 XXY200-5-MC41-B28



■ XXY200-5-MC40-S5ZC1 XXY200-5-MC40-S5ZC2 XXY200-5-MC41-S5ZC1 XXY200-5-MC41-S5ZC2



S5ZC1 : 50W Servo Motor
 PCD45- ϕ 30- ϕ 8-M3
 S5ZC2 : 50W Servo Motor
 PCD46- ϕ 30- ϕ 8-M4



■ XXY250 Model Identification

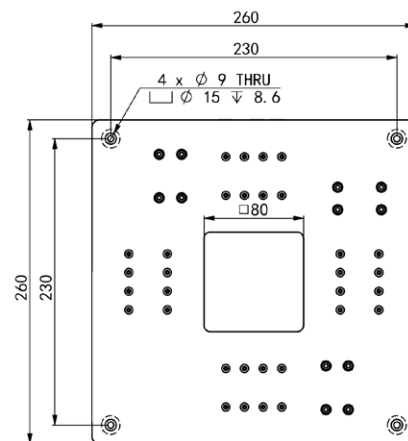
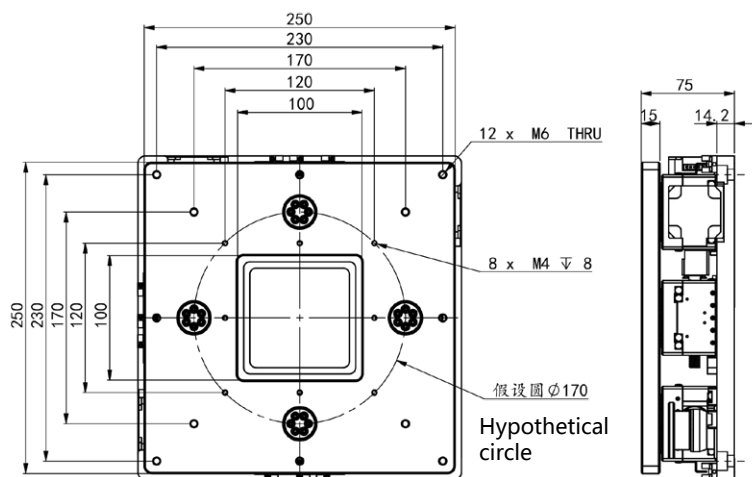
Series	Size	Stroke	Driver Type	Support Type	Rail	Brake	Motor
3 Axis	250	7	M	C	4	0	B42
		±7mm	Mid-drive	Cross Type	4 : 4 pcs	0:None 1 : 1 pc	B42 : Dedicated 42 Stepper motor S10C1 : 100W Servo motor PCD45-Φ30-Φ8-M3 S10C2 : 100W Servo motor PCD46-Φ30-Φ8-M4

■ XXY250 Technical Parameter

Item	Model No.	XXY250-7-MC40-B42 XXY250-7-MC41-B42	XXY250-7-MC40-S10C1 XXY250-7-MC40-S10C2 XXY250-7-MC41-S10C1 XXY250-7-MC41-S10C2
Table Size		250mm×250mm	
Base Size		260mm×260mm	
Height		75mm	
Stroke		±7mm	
Repeatability		2μm	
Movement		±4.5°	
Horizontal		±0.02mm	
Movement		Step Motor Φ 42	100W Servo Motor
Stroke of Ball Screw		2mm	
Suggested Load		80KG	
Stay Still Load		120KG	
Surface Treatment		Black Anodizing Sandblasting Treatment	
Weight		7KG	

XXY
GXYR
GX
GZ
GTZ
GXY
GXYZ
GTXYZ
GR
GSH
GSR
GSHR
GSA
GSN
GSB
GSG
Parameter
GSZ
GMR
GMC
GMA
GML

■ XXY250-7-MC40-B42 XXY250-7-MC41-B42

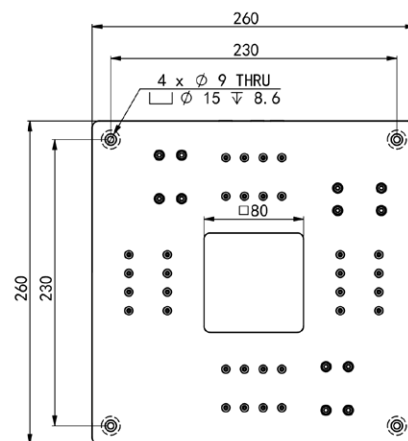
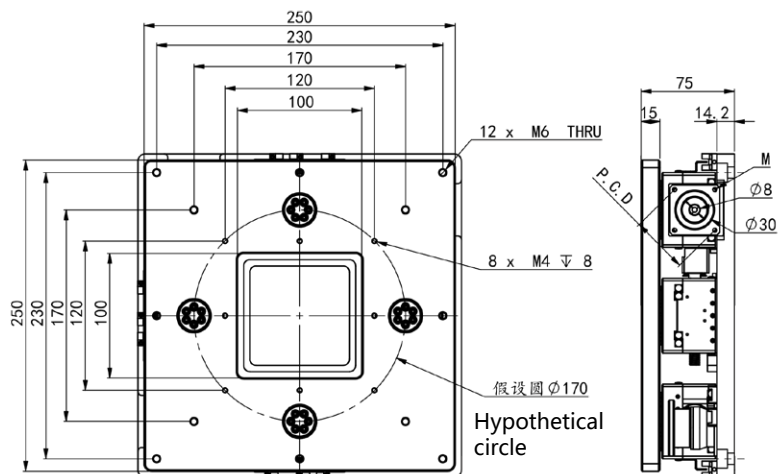


■ XXY250-7-MC40-S10C1 XXY250-7-MC40-S10C2 XXY250-7-MC41-S10C1 XXY250-7-MC41-S10C2



S10C1 : 100W Servo Motor
PCD45- ϕ 30- ϕ 8-M3

S10C2 : 100W Servo Motor
PCD46- ϕ 30- ϕ 8-M4



■ XXY300 Model Identification

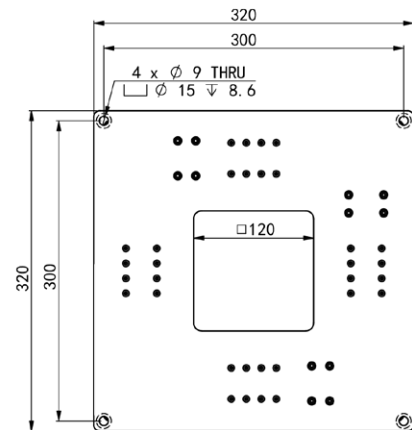
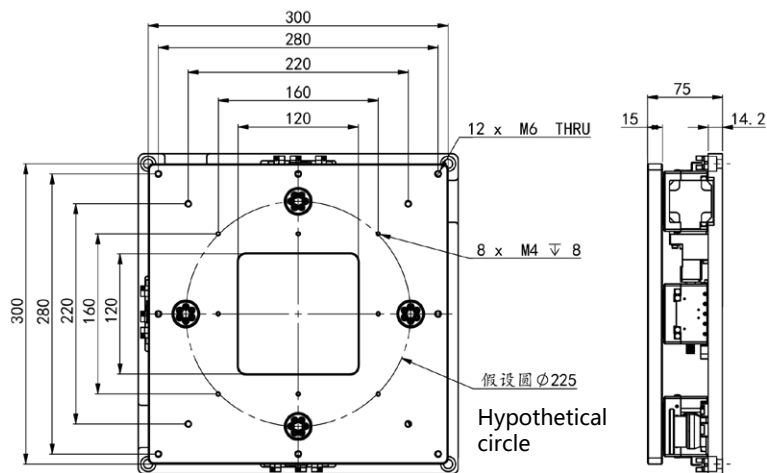
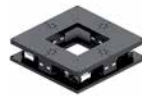
Series	Size	Stroke	Drive Type	Support Type	Rails	Brakes	Motor Type
3 Axis	300	7	M	C	4	0	B42
		±7mm	Mid-drive	Cross Type	4 : 4 pcs	0: None 1: 1 pc	B42 : Step Motor Φ 42 S10C1 : 100W Servo Motor PCD45-Φ30-Φ8-M3 S10C2 : 100W Servo Motor PCD46-Φ30-Φ8-M4

■ XXY300 Technical Parameter

Item	Model No.	XXY300-7-MC40-B42 XXY300-7-MC41-B42	XXY300-7-MC40-S10C1 XXY300-7-MC40-S10C2 XXY300-7-MC41-S10C1 XXY300-7-MC41-S10C2
Table Size		300mm×300mm	
Base Size		320mm×320mm	
Height		75mm	
Stroke		±7mm	
Repeatability		2μm	
Movement		±3.5°	
Horizontal		±0.02mm	
Motor		Step Motor Φ 42	100W Servo Motor
Stroke of Ball Screw		2mm	
Suggested Load		80KG	
Stay Still Load		120KG	
Surface Treatment		Black Anodizing Sandblasting Treatment	
Weight		9KG	

XXY
GXYR
GX
GZ
GTZ
GXY
GXYZ
GTXYZ
GR
GSH
GSR
GSHR
GSA
GSN
GSB
GSG
Parameter
GSZ
GMR
GMC
GMA
GML

■ XXY300-7-MC40-B42 ■ XXY300-7-MC41-B42



■ XXY300-7-MC40-S10C1 ■ XXY300-7-MC40-S10C2 ■ XXY300-7-MC41-S10C1 ■ XXY300-7-MC41-S10C2



S10C1 : 100W Servo Motor
PCD45- ϕ 30- ϕ 8-M3
S10C2 : 100W Servo Motor
PCD46- ϕ 30- ϕ 8-M4

