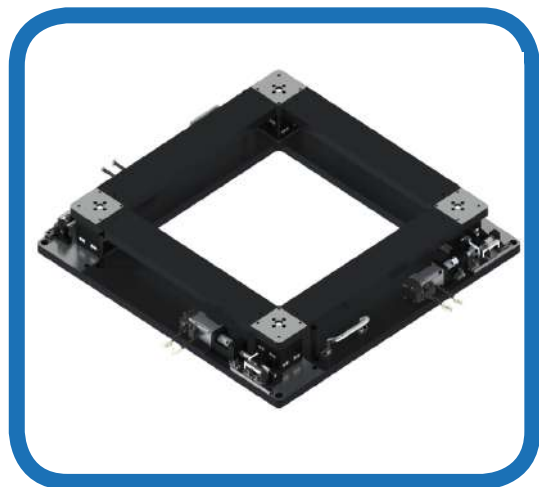
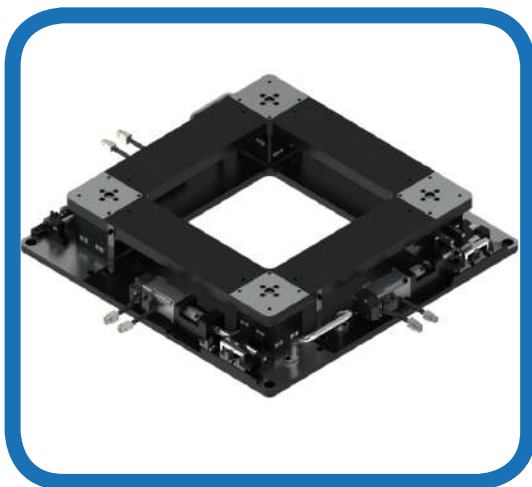
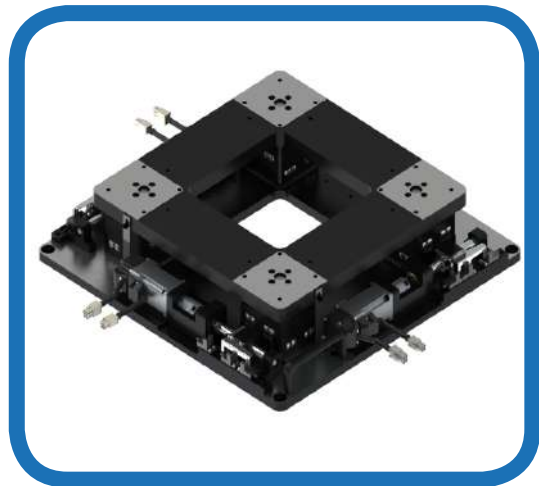


PRODUCT CATALOGUE

XXY Alignment Stage



G+[®] XXY PRECISION ALIGNMENT STAGE

Thinner! More Stable! High Rigidity! High Precision! Multiple Options!

■ Structure of Precision Alignment Platform

● Diversified Size & Structure

GIGAGER XXY alignment stage is available in both hollow and solid designs to meet different design needs of users;

● Compact Design Saves Space

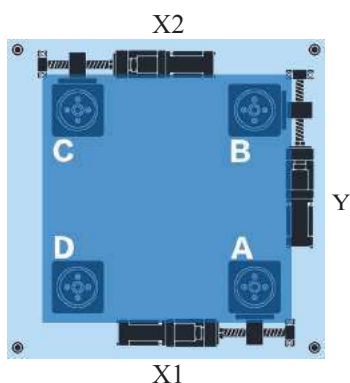
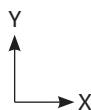
The tri-axial plane design greatly reduces the overall height, and the overall platform is lighter and thinner, saving space;

● High Precision, High Rigidity, Stable Guaranteed

The XXY alignment platform performs strict quality control on incoming materials, assembly and testing to ensure the accuracy, stability and service life of the stage.

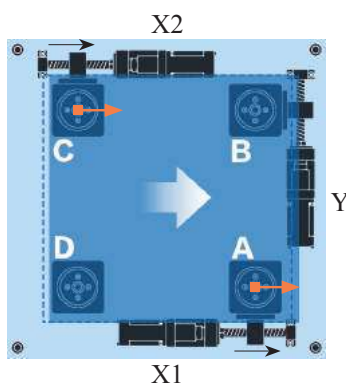
■ XXY Motion Mode

*A、B、C is Rotary axis , D is Slave axis



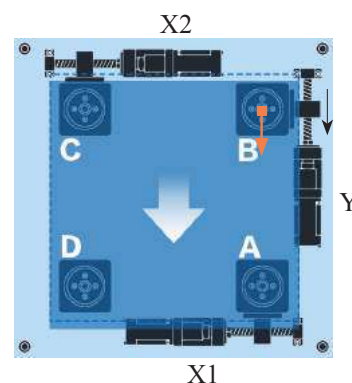
01 Initial Position

X1、X2、Y stay in origin



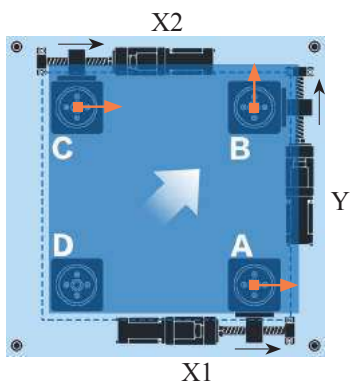
02 X direction movement

X1、X2 working , Y not working



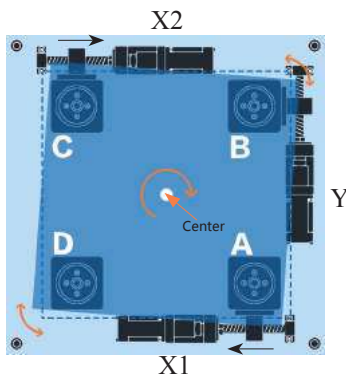
03 Y direction movement

X1、X2 not working , Y working



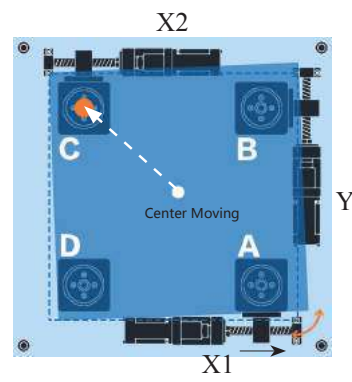
04 Any oblique movement

X1、X2、Y Work according to the program algorithm



05 Rotate with the center of the platform

X1、X2、Y Work according to the program algorithm



06 Rotate with any point as center

X1、X2、Y Work according to the program algorithm

Ordering Code of XXY Alignment Stage

Series	Dimension (mm)			Precision Level(Options)			
XXY	160	50	170	G B P			
	160	55	220				
	160	65	180				
	250	62	310				
	250	75	350				
	350	105	450				
	450	105	550				
	550	105	650				
	650	105	750				
Precision Alignment Stage	Working Platform Size	-	Total Height	-	Base Frame Size	-	G : High Precision B : Standard Precision P : Normal Precision

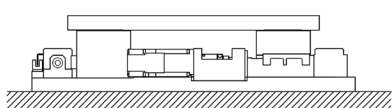
Order Code Example 1. **XXY160-50-170-G**

Order Code Example 1: XXY160-50-170-G

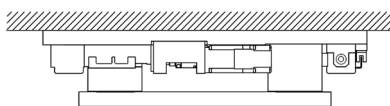
Order Code Example 2: XXY650-105-750-P

Custom service is available as per user's requirement.

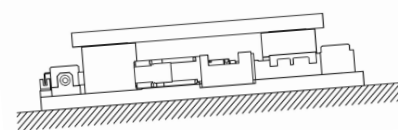
■ Installation and Precaution



Horizontally installable

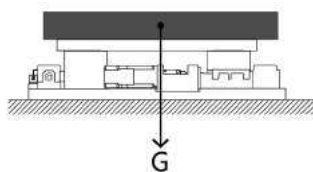


Invertable installation

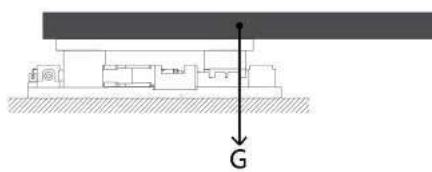


Non-tilt installation

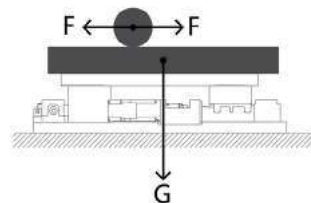
■ Load Installation Precaution



Load installation needs to ensure uniform force on the platform



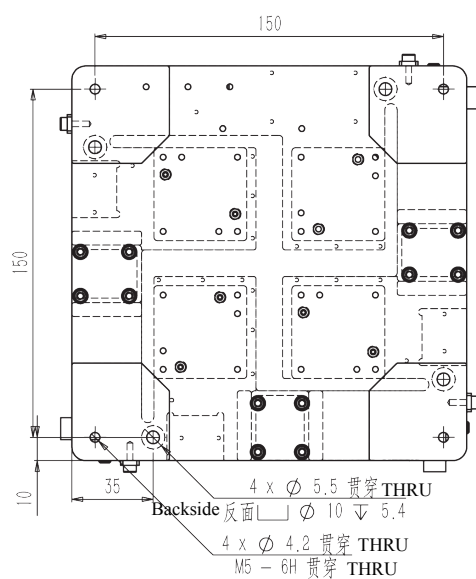
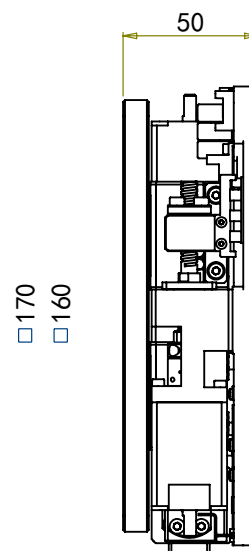
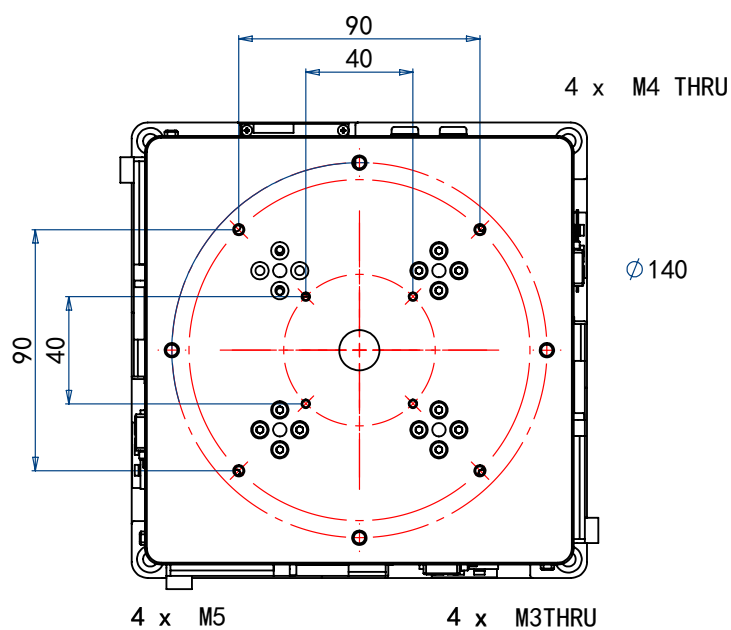
* The load is centered on the platform side



* Increase load during operation

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

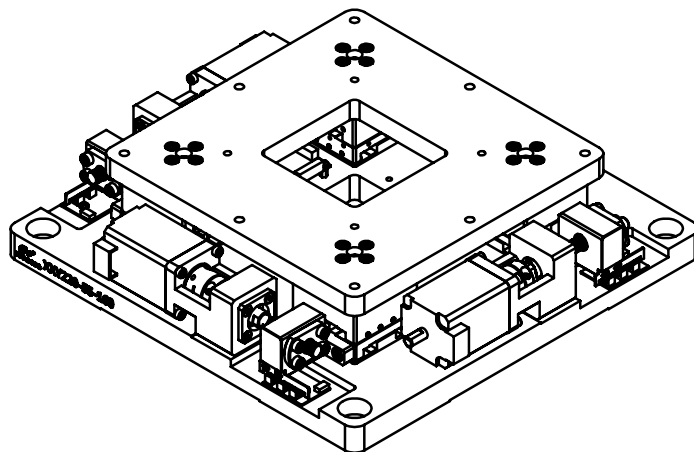
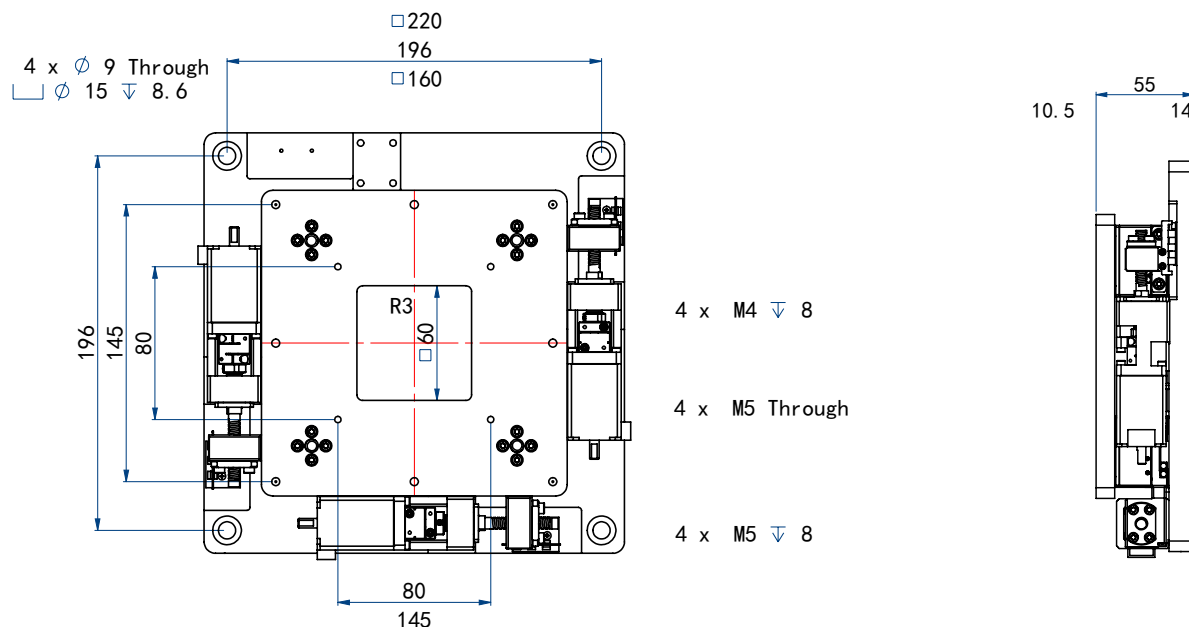
■ XXY160-50-170-□



Linear Stroke	±5mm
Maximum Angle of Center Rotation	±5°
Driver	Stepping Motor 28L
Drive screw	0601
Flatness	±0.02mm
Motion Parallelism	±0.03mm

Recommended Load	Horizontal Installation ≤ 20KG
Surface Treatment	Anodizing Sandblasting Treatment
Accuracy Level	G Level : 2μm
	B Level : 5μm
	P Level : 10μm

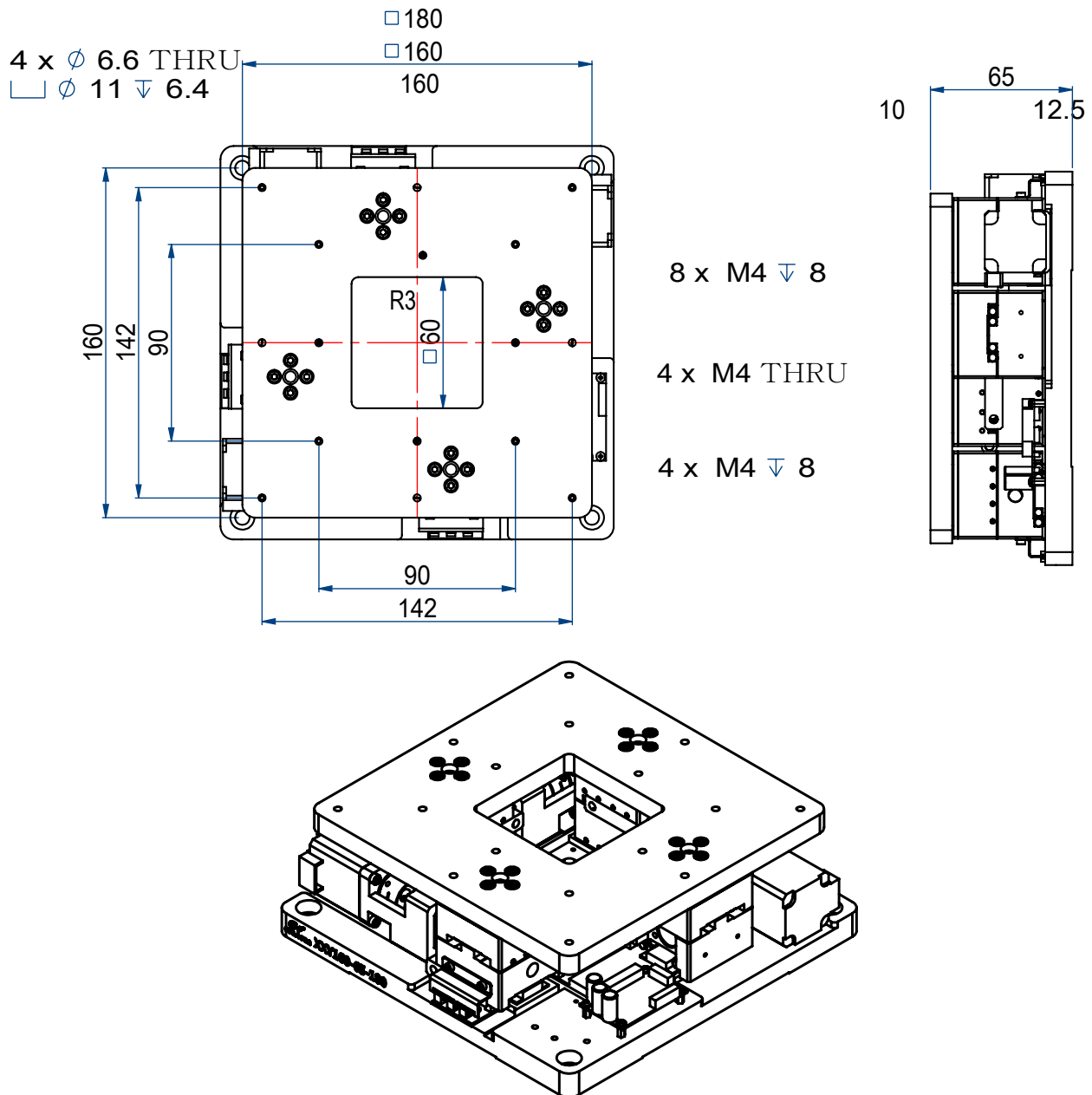
■ XXY160-55-220-□



Linear Stroke	±5mm
Maximum Angle of Center Rotation	±5°
Driver	Stepping Motor 28L
Drive screw	0601
Flatness	±0.02mm
Motion Parallelism	±0.03mm

Recommended Load	Horizontal Installation ≤ 30KG
Surface Treatment	Anodizing Sandblasting Treatment
Accuracy Level	G Level : 2μm
	B Level : 5μm
	P Level : 10μm

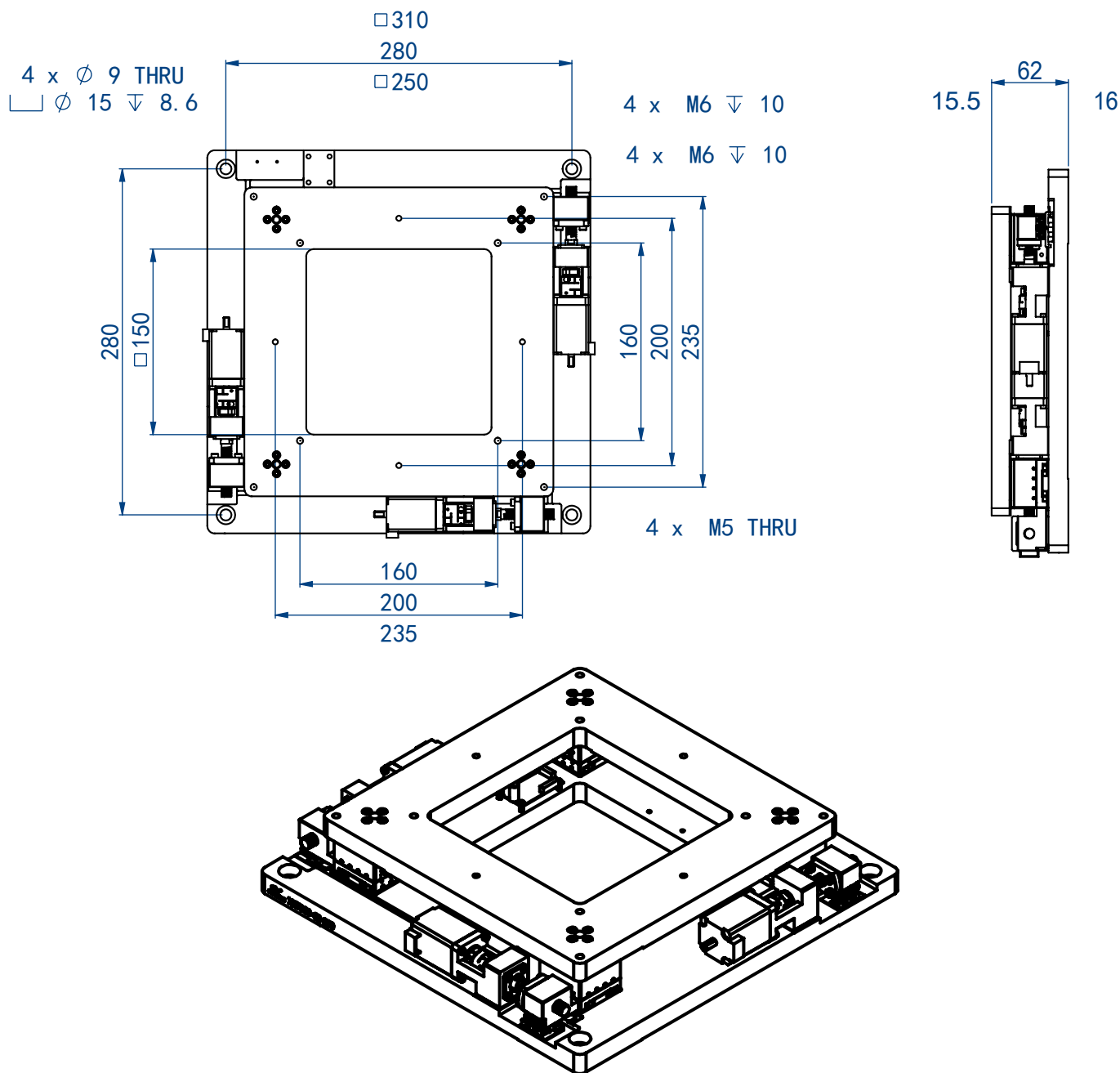
■ XXY160-65-180- □



Linear Stroke	$\pm 5\text{mm}$
Maximum Angle of Center Rotation	$\pm 5^\circ$
Driver	Stepping Motor 28L
Drive screw	0601
Flatness	$\pm 0.02\text{mm}$
Motion Parallelism	$\pm 0.03\text{mm}$

Recommended Load	Horizontal Installation $\leq 30\text{KG}$
Surface Treatment	Anodizing Sandblasting Treatment
Accuracy Level	G Level : $2\mu\text{m}$
	B Level : $5\mu\text{m}$
	P Level : $10\mu\text{m}$

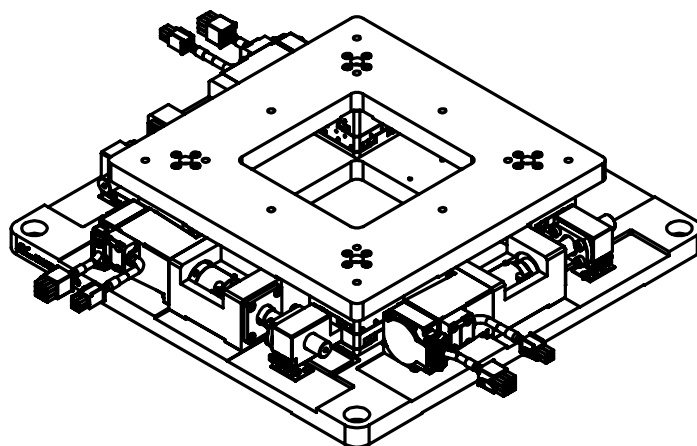
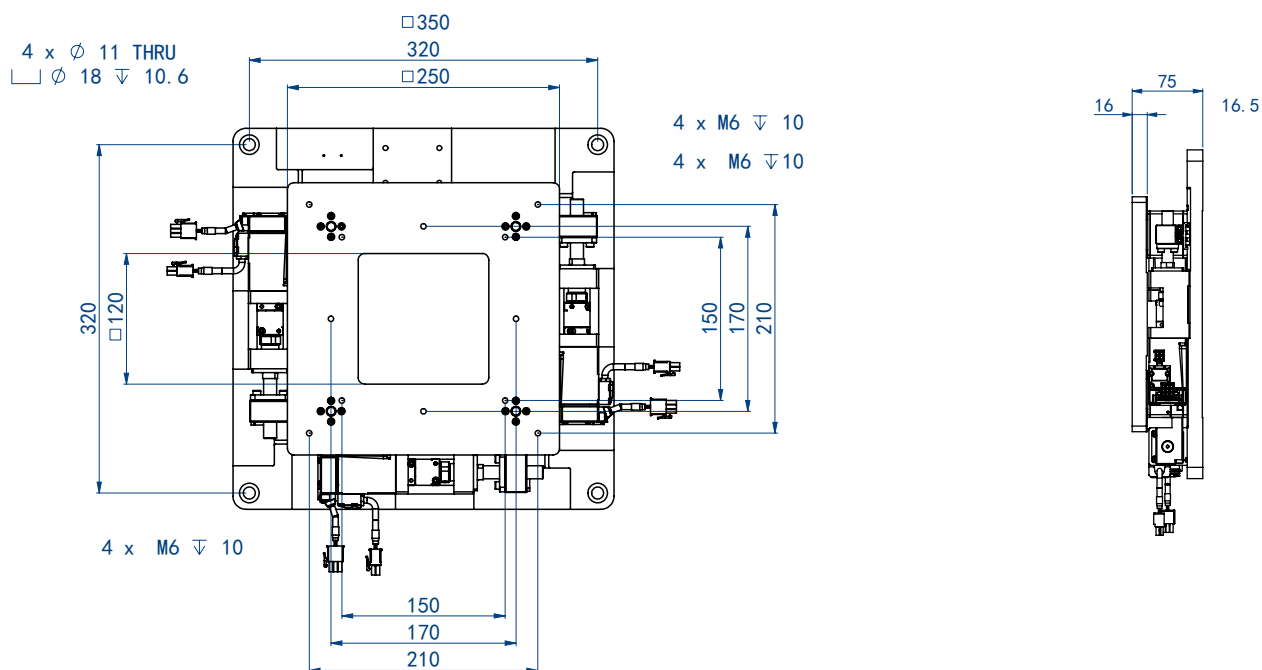
■ XXY250-62-310-□



Linear Stroke	$\pm 5\text{mm}$
Maximum Angle of Center Rotation	$\pm 3^\circ$
Driver	Stepping Motor 28L
Drive screw	0601
Flatness	$\pm 0.02\text{mm}$
Motion Parallelism	$\pm 0.03\text{mm}$

Recommended Load	Horizontal Installation $\leq 30\text{KG}$
Surface Treatment	Anodizing Sandblasting Treatment
Accuracy Level	G Level : $2\mu\text{m}$
	B Level : $5\mu\text{m}$
	P Level : $10\mu\text{m}$

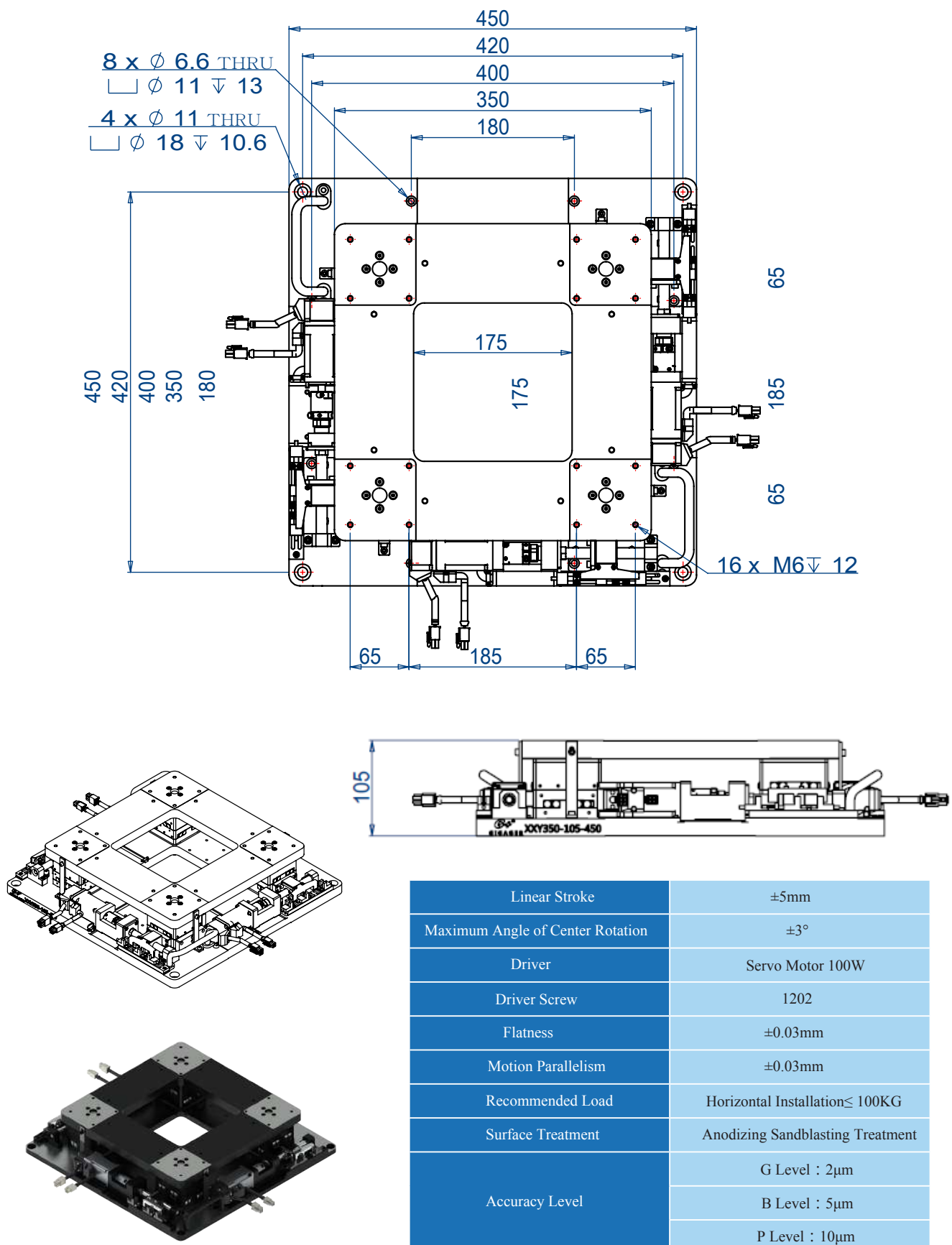
■ XXY250-75-350- □



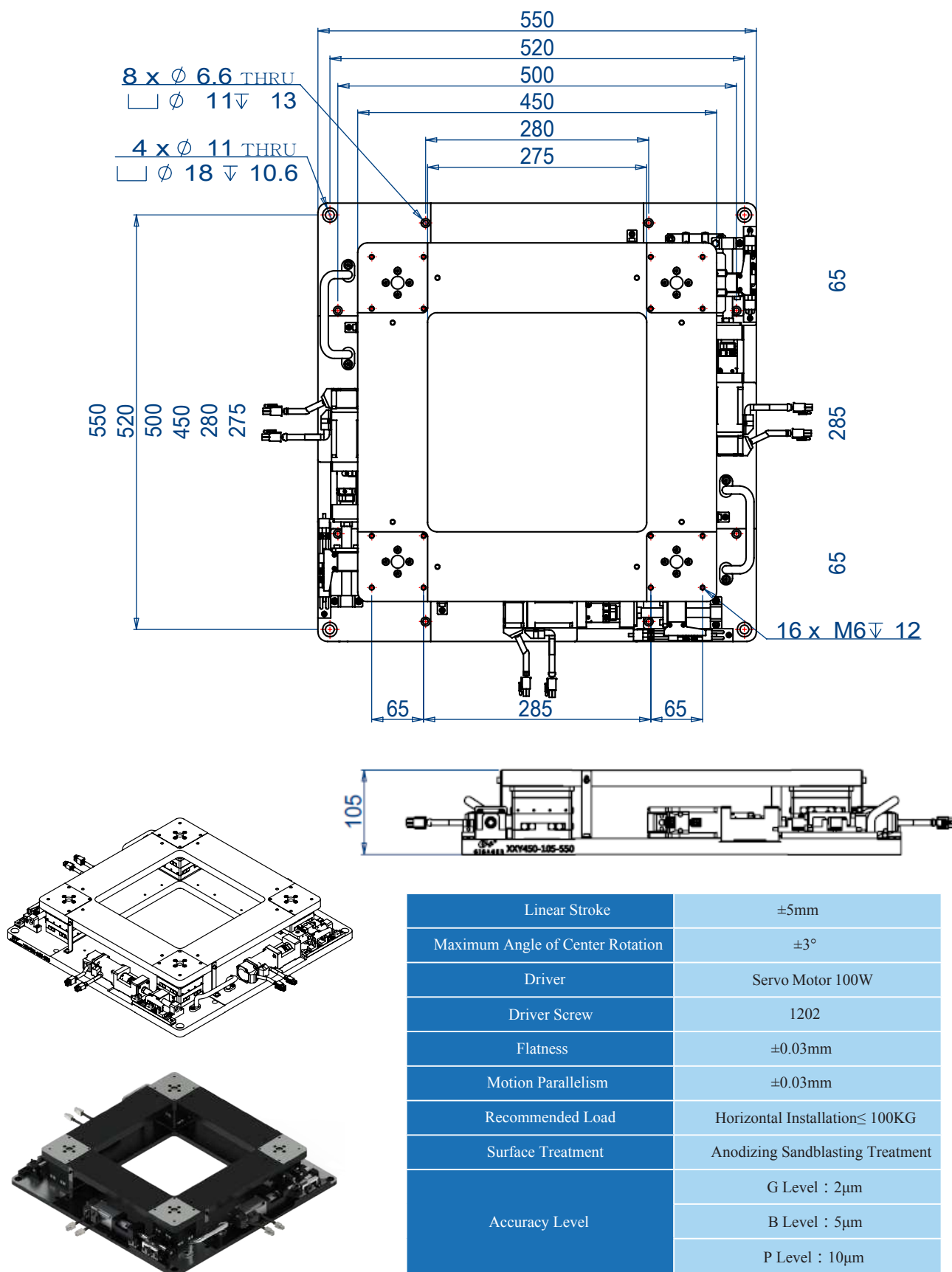
Linear Stroke	$\pm 5\text{mm}$
Maximum Angle of Center Rotation	$\pm 3^\circ$
Driver	Stepper Motor 42L/50W SV/100W SV
Drive screw	0601
Flatness	$\pm 0.02\text{mm}$
Motion Parallelism	$\pm 0.03\text{mm}$

Recommended Load	Horizontal Installation $\leq 50\text{KG}$
Surface Treatment	Anodizing Sandblasting Treatment
Accuracy Level	G Level : $2\mu\text{m}$
	B Level : $5\mu\text{m}$
	P Level : $10\mu\text{m}$

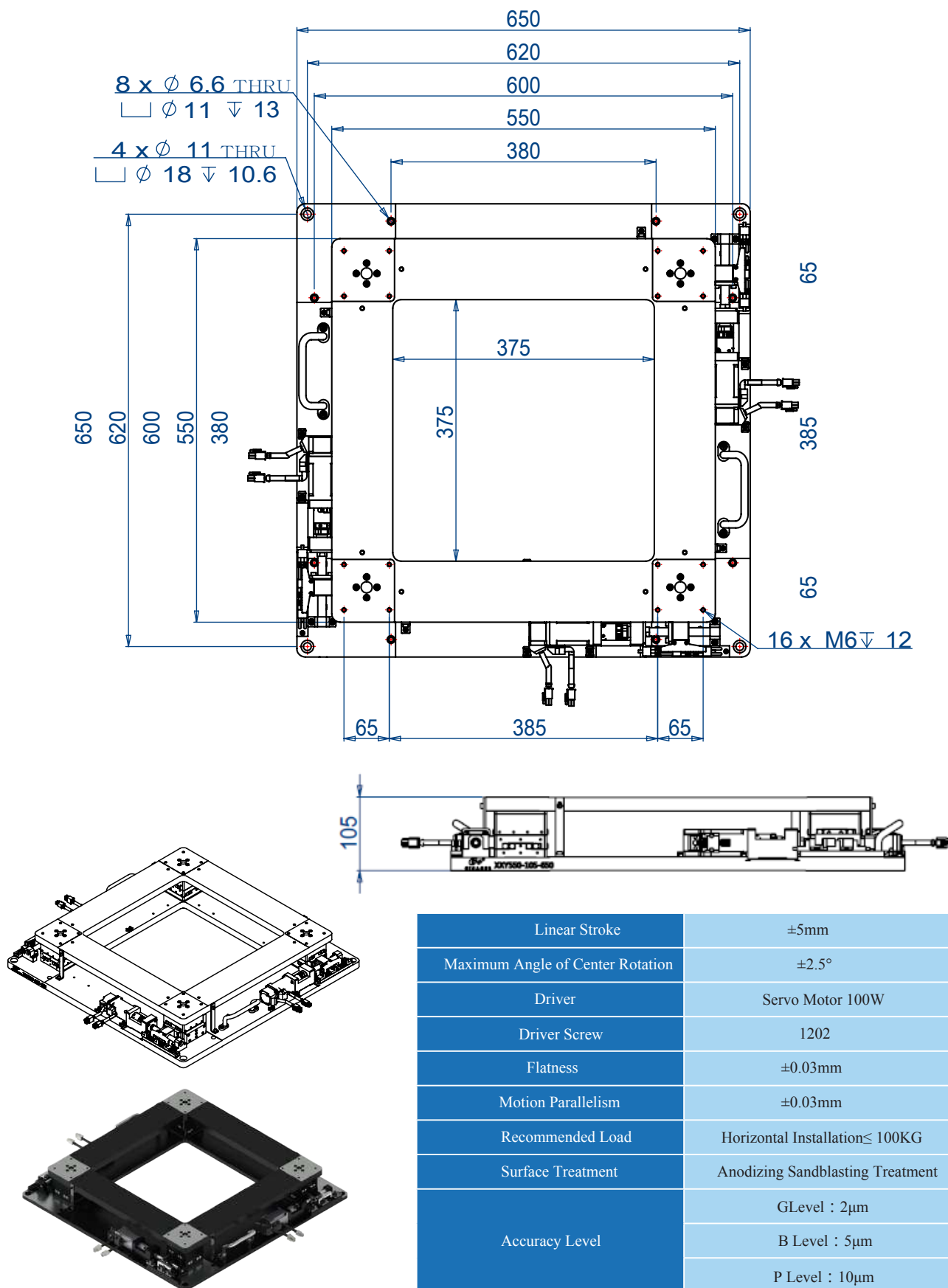
■ XXY350-105-450-□



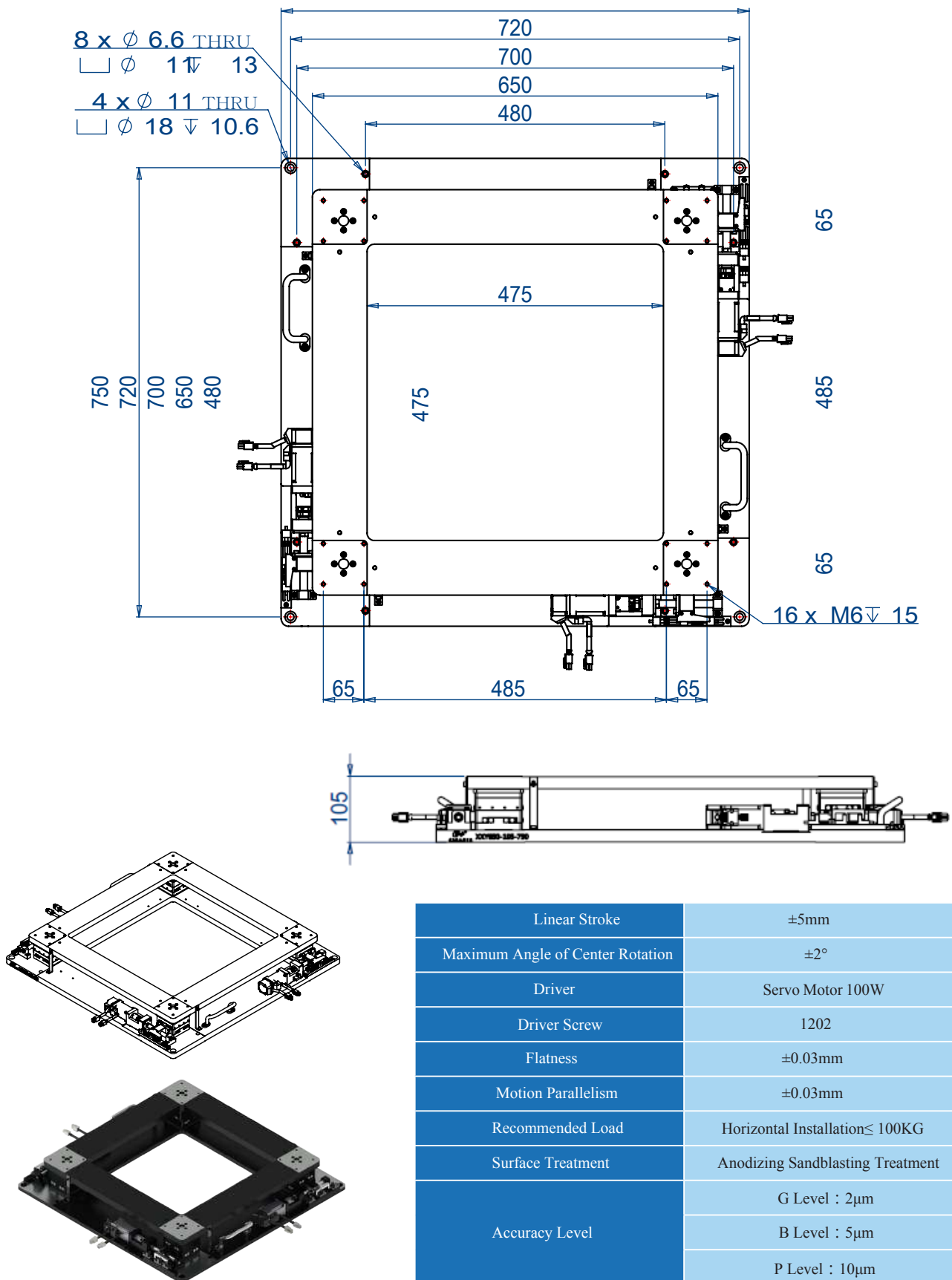
■ XXY450-105-550-□



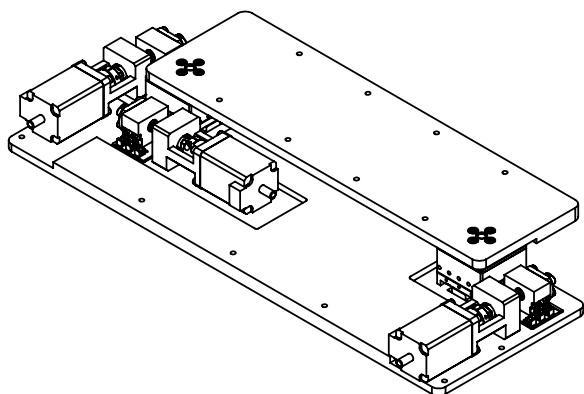
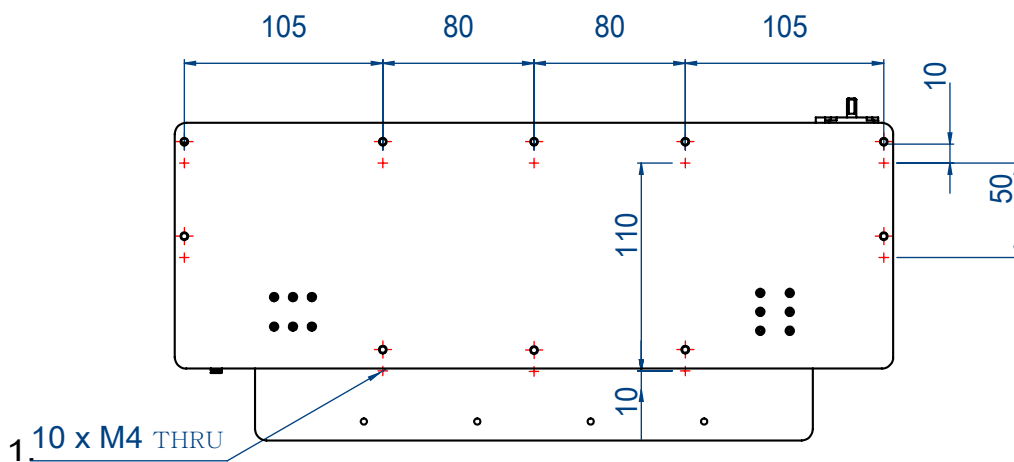
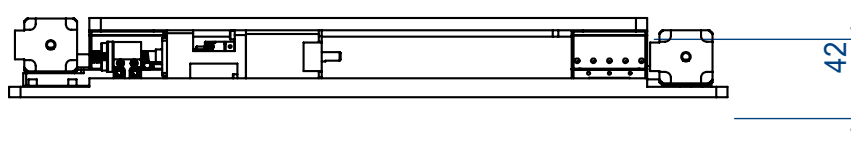
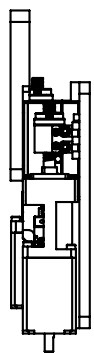
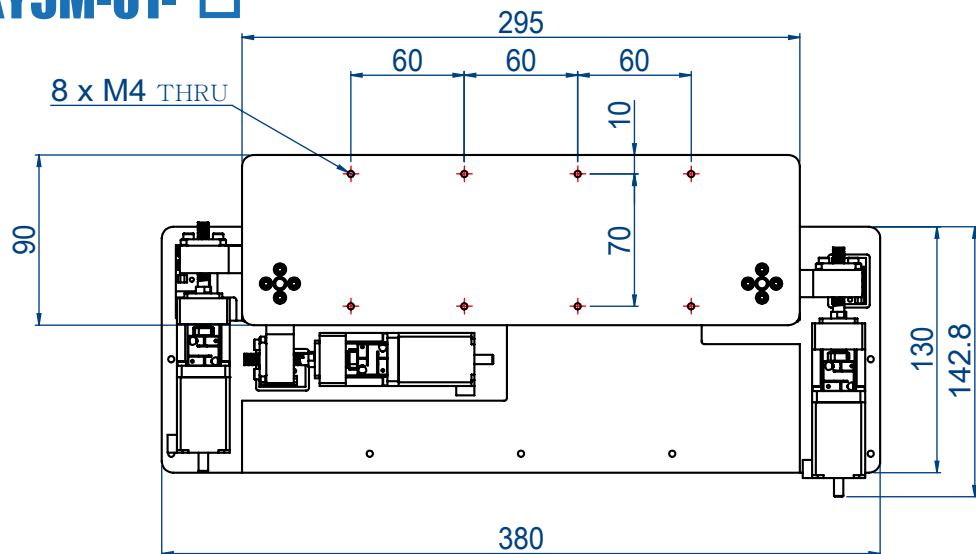
■ XXY550-105-650-□



■ XXY650-105-750-□



■ XXY5M-01- □



Linear Stroke	±5mm
Maximum Angle of Center Rotation	±2.5°
Driver	Servo Motor 100W
Driver Screw	1202
Flatness	±0.03mm
Motion Parallelism	±0.03mm
Recommended Load	Horizontal Installation ≤ 10KG
Surface Treatment	Anodizing Sandblasting Treatment
Accuracy Level	G Level : 2μm
	B Level : 5μm
	P Level : 10μm



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Website: www.gigager.net

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