

Peizo Pitch and Yaw Platform



2023 V1

For customized projects please Contact us:

info@simtrum.com

Peizo Pitch and Yaw Platform

Our peizo pitch and yaw platforms have two strokes for choice($\pm 7^\circ$, $\pm 5^\circ$), with a maximum horizontal load capacity up to 2kg and repeatability of $\pm 0.0005^\circ$.

Feature

- Piezoelectric motor drive, self-locking when power off, saving energy and reducing heat generation
- Simple and compact design
- Grating feedback, optional resolution
- Can be used in optical assembly, micro-nano processing, laser, automation and other fields



Specification

| Model | ST-GS60-50 | ST-GS60-75 | ST-GS60- 100 | ST-GS60- 125 |
|--|----------------|--------------|---------------|---------------|
| Height of Rotation Center (mm) | 50 \pm 0.2 | 75 \pm 0.2 | 100 \pm 0.2 | 125 \pm 0.2 |
| Swing Precision of Rotation Center(mm) | <0.01 | | | |
| Stroke(Deg) | ± 7 | | ± 5 | |
| Maximum Horizontal Load Capacity(KG) | 2 | | | |
| Maximum Speed(Deg/s) | >20 | | | |
| Minimum Step Size(Deg) | <0.0001 | | | |
| Repeatability(Deg) | ± 0.0005 | | | |
| Position Sensor | Grating | | | |
| Stage Size(mm) | 60*60 | | | |
| Material | Aluminum Alloy | | | |
| Weight(KG) | 0.48 | | | |

Drawings

