

Vertical Piezo Stage



2023 V1

For customized projects please Contact us:
info@simtrum.com

Vertical Piezo Stage - ST-VS-0805

Our ST-VS-0805 is a vertical piezo stage with stroke up to ± 2.5 mm. It has a maximum load capacity of 1.5kg and has repeatability of ± 200 nm.

Feature

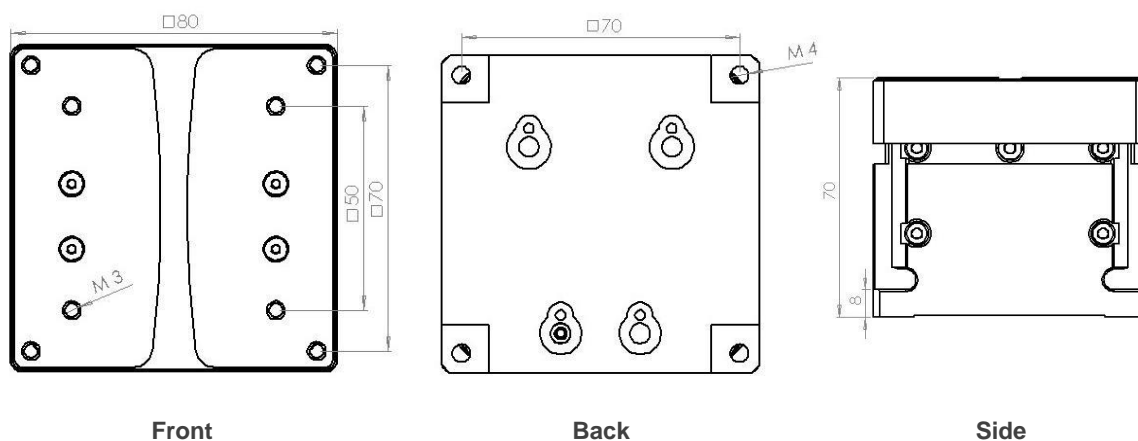
- Piezoelectric motor drive, self-locking when power off, saving energy and reducing heat generation
- Simple and compact design
- Grating feedback, optional resolution
- Can be used in optical assembly, micro-nano processing, laser, automation and other fields



Specification

Model	ST-VS-0805
Stroke(mm)	± 2.5
Driver	Piezoelectric Motor
Maximum Load Capacity(KG)	1.5
Maximum Speed(mm/s)	50
Minimum Step Size(nm)	50
Repeatability(nm)	± 200
Position Sensor	Grating
Material	Aluminum Alloy
Weight(KG)	1

Drawings



Vertical Piezo Stage - ST-VS-0606

Our ST-VS-0606 is a vertical piezo stage with stroke up to 6mm. It has a maximum load capacity of 0.5kg and has repeatability of +/-200nm.

Feature

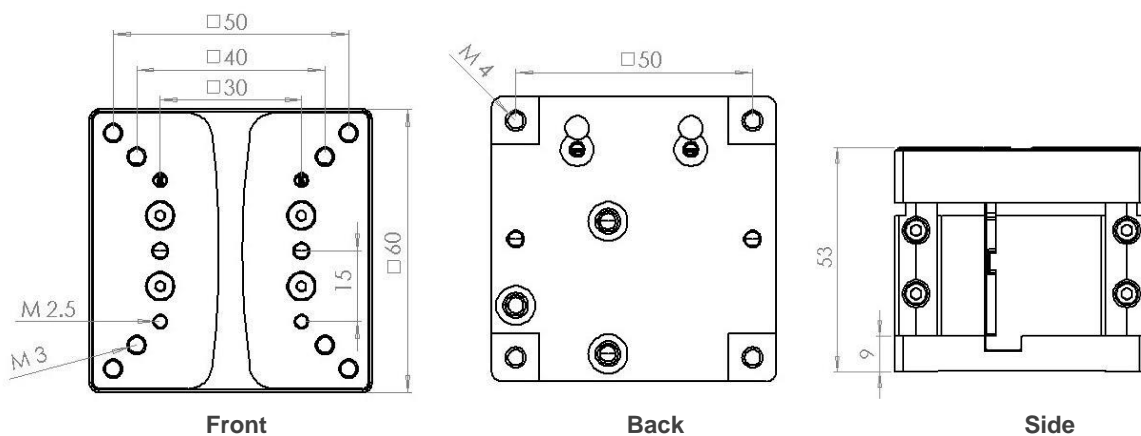
- Piezoelectric motor drive, self-locking when power off, saving energy and reducing heat generation
- Simple and compact design
- Grating feedback, optional resolution
- Can be used in optical assembly, micro-nano processing, laser, automation and other fields



Specification

Model	ST-VS-0606
Stroke(mm)	6
Driver	Piezoelectric Motor
Maximum Load Capacity(KG)	0.5
Maximum Speed(mm/s)	100
Minimum Step Size(nm)	50(Displaying Grating Feedback)
Repeatability(nm)	+/-200
Position Sensor	Grating
Material	Aluminum Alloy
Weight(KG)	0.5

Drawings



Vertical Piezo Stage - ST-VS-0812

Our ST-VS-0812 is a vertical piezo stage with stroke up to ± 6 mm. It has a maximum load capacity of 1.5kg and has repeatability of ± 200 nm.

Feature

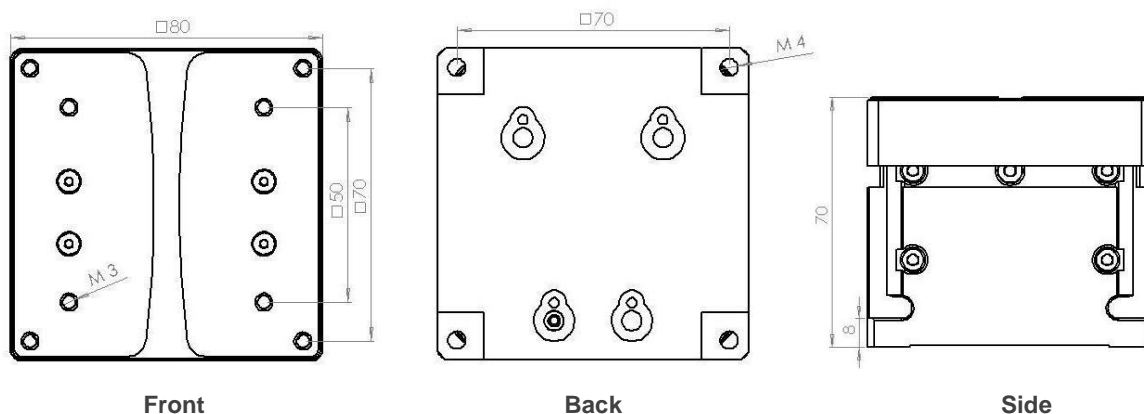
- Piezoelectric motor drive, self-locking when power off, saving energy and reducing heat generation
- Simple and compact design
- Grating feedback, optional resolution
- Can be used in optical assembly, micro-nano processing, laser, automation and other fields



Specification

Model	ST-VS-0812
Stroke(mm)	± 6
Driver	Piezoelectric Motor
Maximum Load Capacity(KG)	1.5
Maximum Speed(mm/s)	50
Minimum Step Size(nm)	50
Repeatability(nm)	± 200
Position Sensor	Grating
Material	Aluminum Alloy
Weight(KG)	1

Drawings



Vertical Piezo Stage - ST-VS-0825C

Our ST-VS-0825C is a vertical piezo stage with stroke up to $\pm 12.5\text{mm}$. It has a maximum load capacity of 2kg and has repeatability of $\pm 100\text{nm}$.

Feature

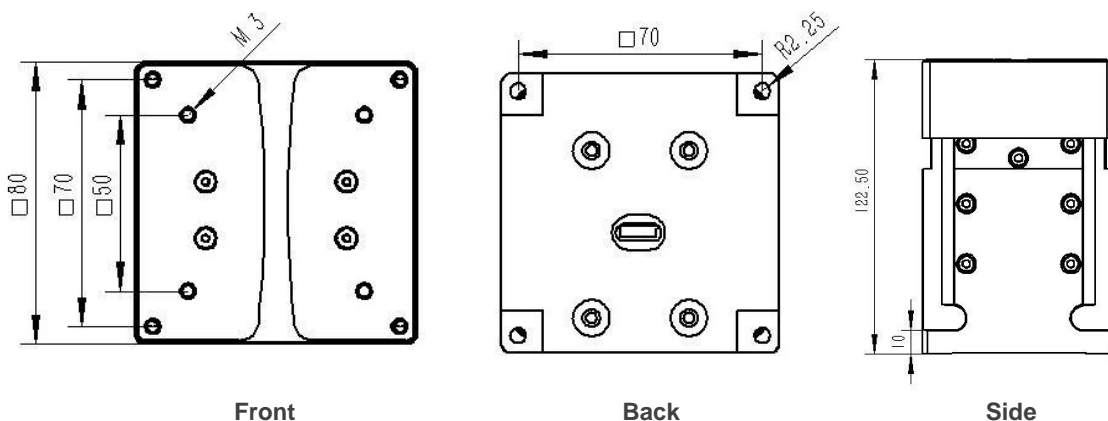
- Piezoelectric motor drive, self-locking when power off, saving energy and reducing heat generation
- Simple and compact design
- Grating feedback, optional resolution
- Can be used in optical assembly, micro-nano processing, laser, automation and other fields



Specification

Model	ST-VS-0825C
Stroke(mm)	± 12.5
Driver	Piezoelectric Motor
Maximum Load Capacity(KG)	2
Maximum Speed(mm/s)	100
Minimum Step Size(nm)	50
Repeatability(nm)	± 100
Position Sensor	Grating
Material	Aluminum Alloy
Weight(KG)	1.75

Drawings



Vertical Piezo Stage - ST-VS4-1025

Our ST-VS4-1025 is a vertical piezo stage with stroke up to $\pm 12.5\text{mm}$. It has a maximum load capacity of 3kg and has repeatability of $\pm 100\text{nm}$.

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-VS4-1025
Stroke(mm)	± 12.5
Driver	Piezoelectric Motor
Maximum Load Capacity(KG)	3
Maximum Speed(mm/s)	20
Minimum Step Size(nm)	50(Grating Feedback)
Repeatability(nm)	± 100
Position Sensor	Grating
Material	Aluminum Alloy
Weight(KG)	1.9

Drawings

