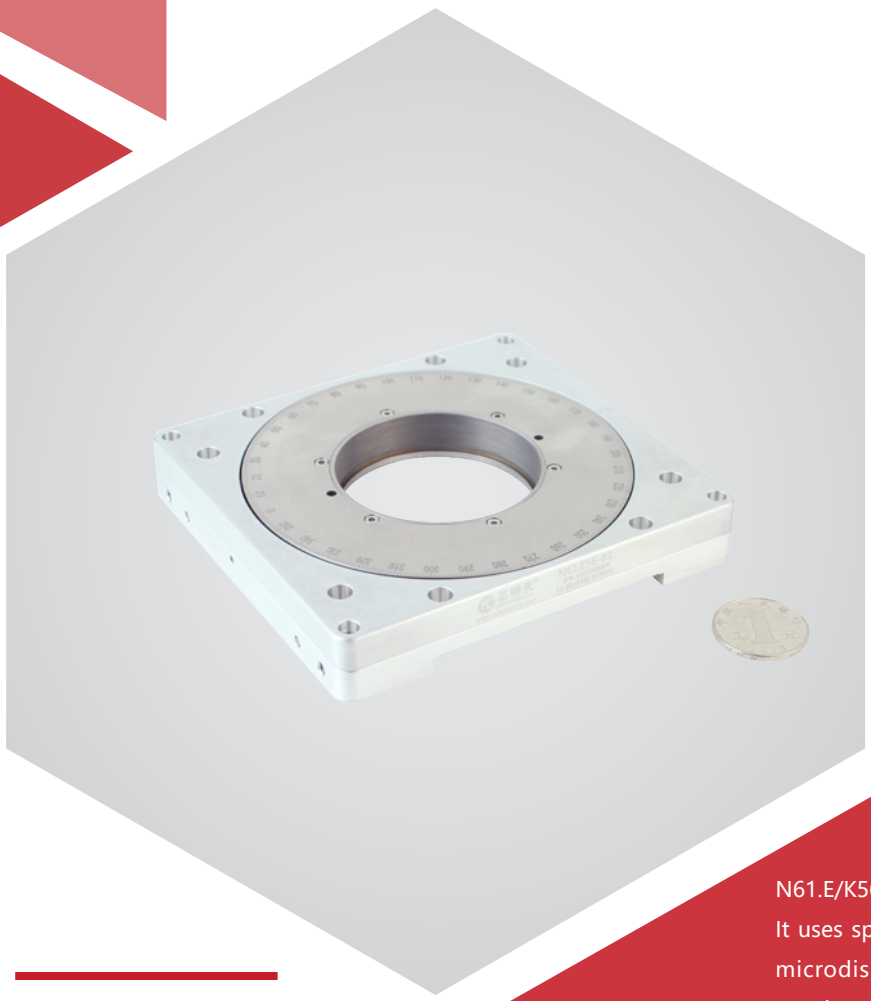
COREMORROW
Piezo Nano Motion

Make Your Motion and Control More Accurate!

θz axis | N61.E56/K56-B

Rotation Piezo Motor



Introduction

N61.E/K56-B is a piezo motor direct-driven by piezo ceramics. It uses special mechanical structure design to convert linear microdisplacement by piezo ceramics into macro-angle rotation motion of mechanical platform. It has 360 ° rotary motion and has a 1μrad rotation resolution. Its low profile is suitable for integration. With E53 piezo controller, it can be operated by PC software, which is more convenient. Custom and UHV version are available.

Characteristics »

- 360 degrees rotation
- Speed to 5° /s
- Analog or PC control

Applications »

- Wafer inspection
- Profilometry
- Nano lithography
- Nanotechnology and metrology
- Microscopy
- Semiconductor technology
- Surface measurement technique
- Motion in strong magnetic fields or vaccum

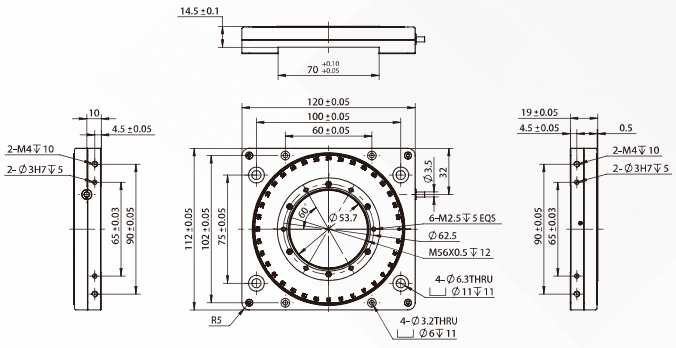
CoreMorrow Ltd.

Tel: +86-451-86268790
Fax: +86-451-86267847
Email: info@coremorrow.com
Web: www.coremorrow.com
Headquarters: Building I2, No.191 Xuefu Road, Nangang District, Harbin
Shanghai Office: Building 2, No.608 Shengxia Road, Pudong District, Shanghai

Technical Data »

Type	N61.E56-B	N61.K56-B	Units
Active axes	360, two-way	360, two-way	°
Integrated sensor	grating sensor	-	
Speed limit	5	5	°/s
Central loading	1	1	kg
Resolution	1	5	μrad
Repeatability	0.001	-	°
Eccentricity	0.05	0.05	mm
Cable length	1.5	2	m±10mm
Operating temperature	10~40	10~40	℃
Storage temperature	-10~40	-10~40	℃
Material	Al, Steel	Al, Steel	
Mass	640	615	g±5%
Recommended controller	E53.D1E-J	E53.C1K-J	

Drawing »



Recommended Controller »

E53.D1E/C1K-J
1 channel, analog and digital control
Open loop or servo control
Small size, compact structure

CoreMorrow Ltd.
Tel: +86-451-86268790
Fax: +86-451-86267847
Email: info@coremorrow.com
Web: www.coremorrow.com
Headquarters: Building I2, No.191 Xuefu Road, Nangang District, Harbin
Shanghai Office: Building 2, No.608 Shengxia Road, Pudong District, Shanghai