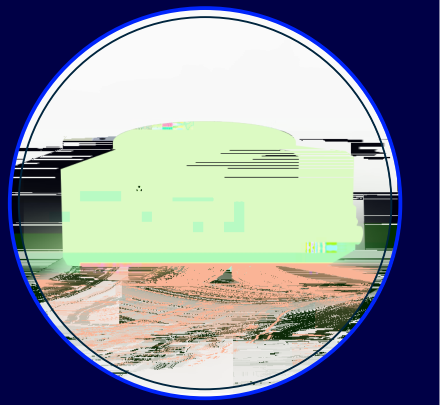
FMSR-AB
高精度气浮转台

FMSR-AB High precision air floating Rotary Stage

FMSR150-AB FMSR200-AB FMSR250-AB



- 闭式气浮轴承结构
- 直驱驱动，零齿槽效应
- 微米级跳动误差
- 免费标准版SDK
  Window、Linux
  C/C++、C#、Matlab、LabVIEW等
- 高性能控制器
- 可选配EtherCAT总线控制

产品应用 APPLICATION FIELDS

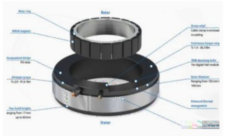
- Roundness measurement system
- Micron or nano tomography imaging
- Precision manufacturing
- X射
  Synchrotron radiation or X-rays
- Semiconductor industry

产品简介 OVERVIEW

FMSR-AB

The FMSR-AB series high precision air floating rotary stage developed by feinixs uses specially designed air bearings that are optimized for stiffness, load bearing capacity and stiffness. Compared to conventional bearings, gas is used as a lubricant, so all movement is contactless, so the performance of the equipment remains the same throughout its service life, and no special maintenance is required. The rotary stage uses gas bearings to provide smooth motion and has extremely low pitch, yaw, roll and linear errors. In addition, it has the advantages of clean, pollution-free, friction-free, small damping and long service life.

设计细节 FEATURES



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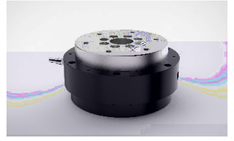
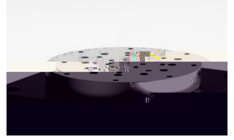
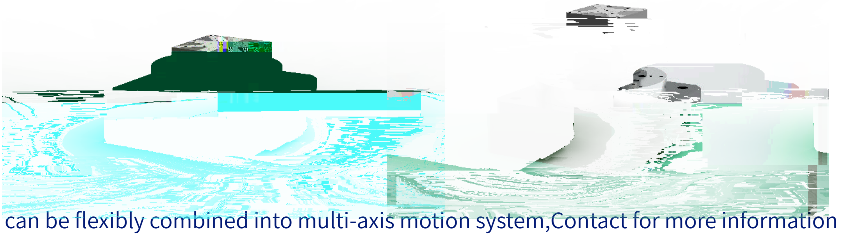




0.002mm平行度

组合搭配 TYPICAL ASSEMBLY



It can be flexibly combined into multi-axis motion system,Contact for more information

产品参数 SPECIFICATIONS

Model	FMSR150-AB	FMSR200-AB	FMSR250-AB
Travel (°)	360	360	360
Rated Torque (N.M)	0.54	1.9	4.2
Peak Torque (N.M)	2.2	5.8	15.8
Load Capacity(Kg)[1]	30	30	60
Resolution(arcsec)	0.2	0.2	0.2
Min.Iincremental Motion(arcsec)[2]	1	1	1
/ Undirection Repeatability[3]/Guaranteed(arcsec)[4]	±2 or 4	±2 or 4	±2 or 4
/ Undirection Repeatability/Typical(arcsec)	±1 or 2	±1 or 2	±1 or 2
/ Bi-Directional Repeatability/Guaranteed(arcsec)	±3 or 6	±3 or 6	±3 or 6
/ Bi-Directional Repeatability/Typical(arcsec)	±2 or 4	±2 or 4	±2 or 4
/ Accuracy[3]/Guaranteed(arcsec)	±5 or 10	±5 or 10	±5 or 10
/ Accuracy/Typical(arcsec)	±4 or 8	±4 or 8	±4 or 8
Max.Speed(RPM)[5]	200	200	120
Face Runout(μm)	1	2	2
Radial Runout(μm)	0.05	0.05	0.05
Air Pressure(MPa)	0.4-0.6	0.4-0.6	0.4-0.6
Weight(Kg)	15	25	30

[1]:垂直
[2]:最小

[3]:精度 GB/T17421-2000。
[4]:典型
[5]:最大速度