



Three Axis pipe welding turntable positioner With Chamber Inertial Motion Simulator

Our Product Introduction

Basic Information

- Place of Origin: SHENZHEN
- Brand Name: FOVA
- Certification: CE;FCC
- Model Number: 3FV300-W
- Minimum Order Quantity: 1
- Delivery Time: 20
- Payment Terms: T/T
- Supply Ability: 1000PCS/Months



Product Specification

- Highlight: pipe welding turntable,
Three Axis welding turntable,
welding turntable positioner With Chamber

Product Description

Three Axis Turntable With Chamber ,Inertial Simulator, Motion Simulator, Industrial Inertial Guidance Test And Calibrat

ABOUT OUR TEAM

The company has a strong independent research and development team , can provide users with professional simulation turntable and special test equipment , single degree of freedom to multi-degree of freedom of position , speed , acceleration precision motion control related products design , development , production and service , the company has specialized in inertial product production and testing of professional and technical personnel 105 , Among them , there are 7 PHDS , 11 masters and 17 undergraduate students in the United States and China , 32 R& D team members and more than 32 R& D team members . They are complete in the fields of machinery, electricity, optics , hydraulics , computer application and control , and complete in the aspects of research , design , processing , assembly, debugging and testing. The team has completed more than 110 scientific research projects with industry experience . He has won more than 17 major scientific research achievement awards . With its strong technical strength over the years , the company has established close school-enterprise cooperation with Chinese People's Liberation Army National University of Defense Technology, Harbin Institute of Technology (Shenzhen) , Chinese People's Liberation Army Naval Engineering University, Shenzhen University, Xi 'an Technological University, Beijing Institute of Technology, Beijing University of Aeronautics and Astronautics , Army Artillery and Air Defense College , Fuzhou University and other universities . Products are widely used in aerospace , aviation , ships , weapons , China electric power, nuclear industry and other defense industry, as well as the international market .

PRODUCT ADVANTAGES

Temperature control test integrated software operation more efficient
It has good stability, dynamic characteristics and reliability
Digital and modular design based on DSP or FPGA

The system can provide communication interfaces such as serial port , network port and optical fiber for users to choose freely. Pro/ E , Ansys , Adams , Matlab and other design and simulation means are adopted. The system has high degree of software , scalability, good electromagnetic compatibility, reasonable structure , high precision , high stability and high dynamic.

THREE AXIS TURNTABLE WITH CHAMBER

DESCRIPTIONS

Three-axis turntable with temperature chamber series is a kind of three-axis turntable equipment that can meet the full temperature test . It can generate motion excitation such as angular position , angular rate and angular acceleration in three directions to realize the test of the measured parts such as gyro , inertial measurement device and accelerometer. The turntable is composed of four parts: mechanical body, temperature control box , electrical measurement and control cabinet , compressor and pipe support . The machine body is designed as a three-axis U-U-T type turntable , which is composed of four parts: base , outer frame shafting , middle frame shafting and inner frame shafting.

Index	3FV300-W	
Maximum load weight	30	Kg(Optional)
Table size	Φ300	mm
Table height	400	mm
Rotation accuracy	±1~3	" Optional)
Angula position range	±0~ ±360	°
Angula position accuracy	±1~3	" Optional)
Angular resolution	0.0001	°
Angular rate range	0.001~10000	°/s
Angular rate accuracy	$h\omega < 1$ $1 < \omega < 10$ $10 < \omega_{ness}$	
Speed smoothness	1×10^{-3} 1×10^{-4} 5×10^{-5}	1° Average 10° Average 360 ° Average
Maximum angular acceleration	Inner10000 Middle3000 Outer2000	°/s2 customizable
Rate resolution	0.0001	°
Slip ring number	10~80	Optioanl
System bandwidth	5~ 100Hz	Hz(Optional)
Slip-ring voice	0.03	V

Tank range	-60~+100	mT
Tempe. control accuracy	±0.5	°C



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