

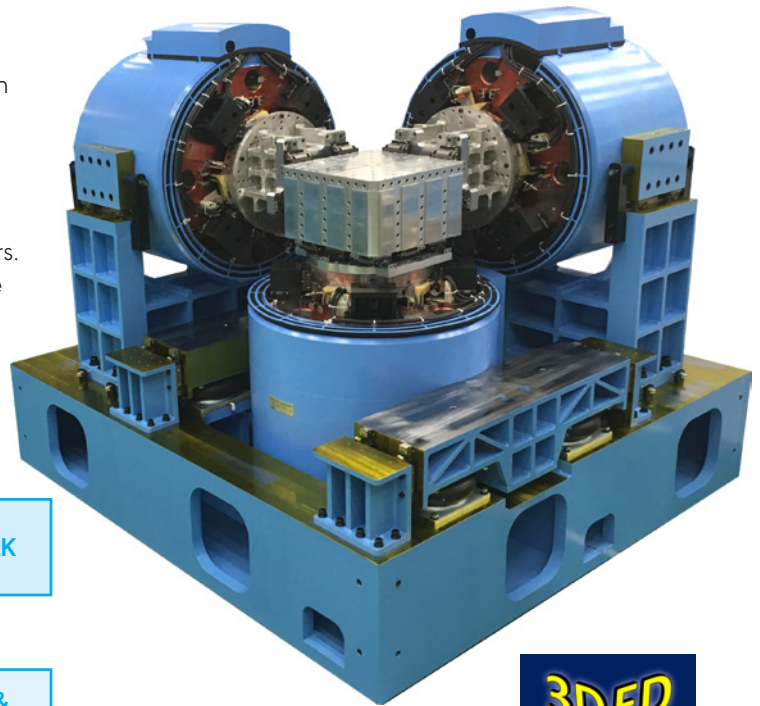
FOR THE NEXT GENERATION OF AUTOMOBILES

3-AXIS SIMULTANEOUS VIBRATION TEST SYSTEM

THE FUTURE OF THE AUTONOMOUS DRIVING MARKET

CONCEPT :

At a time of transition for the automobile industry Kokusai Co. Ltd. sets conventional standards into motion and designs testing machines as they are meant to be: With the ability to perform tests under conditions as realistic as possible. Analyzing the various needs and requirements of our customers in Europe, America and worldwide, resulted in the identification of five key factors. The fulfillment of these five factors is necessary to create testing products for the high reliability needed in the next generation of automobiles.



02 TABLE UNIFORMITY

03 LOW CROSSTALK

01 3-AXIS
SIMULTANEOUS TESTING

05 2000HZ

04 PSD RANDOM &
REAL-WAVE PATTERN



MAJOR SPECIFICATIONS :

Model No.	VTS-20MO-3	VTS-30MO-3	VTS-40MO-3	VTS-50MO-3	VTS-60MO-3
Exciting Force (Sine)	20 [kN]	30 [kN]	40 [kN]	50 [kN]	60 [kN]
Maximum Acceleration	10G	15G	20G	24G	28G
Frequency Range	5 - 2000 Hz				
Stroke	±25mm (50mm p=p)				
Table Dimensions	500mm x 500mm				

Kokusai

FOR THE NEXT GENERATION OF AUTOMOBILES

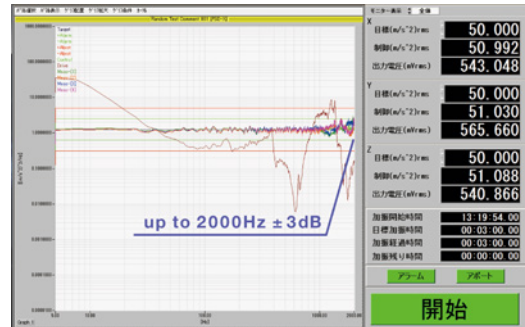
3-AXIS SIMULTANEOUS VIBRATION TEST SYSTEM

RAISING DEVELOPMENT SPEED AND EFFICIENCY WITH 3-AXIS SIMULTANEOUS TESTING

TABLE UNIFORMITY

Essential for Precision Improvement

For parts like PCBs with a low rigidity and a big surface the uniformity of the table is of pivotal importance. Thanks to the new sliding unit the 3DED series succeeds in keeping the discrepancy for all 4 table corners within $\pm 3\text{dB}$.

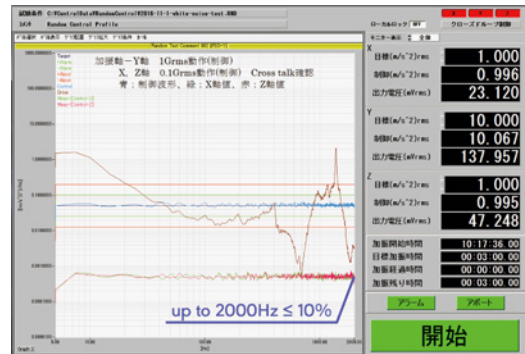


White noise random 5Grms

LOW CROSSTALK

Reducing Development Costs caused by Over-testing

When it comes to micron-sized displacement in the high-frequency range, the inter-axis interference can have a major impact on the controllability of the multi-axis system. Systems with high crosstalk are prone to become uncontrollable and stop operation. The 3DED series in addition to the linear-motion slide and cross-slide-unit, employs an isolation unit for every axis, further reducing the inter-axis interference and thereby realizing a low crosstalk for high frequencies of up to 2000Hz.



Sine Sweep 1G



FREE TRIAL – First trial is free of charge : To let everyone around the world experience the performance of our 3-axis system, we are offering free trials.

LAB ADDRESS :
Nagayama 6-21-1, Tama-shi
206-0025 TOKYO, JP



Kokusai, Inc.
5333 W. 79th Street, Indianapolis, IN 46268
Phone: 317.704.9922 | Fax: 317.704.9921
Email: sales@kokusaiusa.com
Website: www.kokusaiusa.com