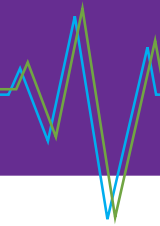




Higher Performance Lower CO<sup>2</sup>

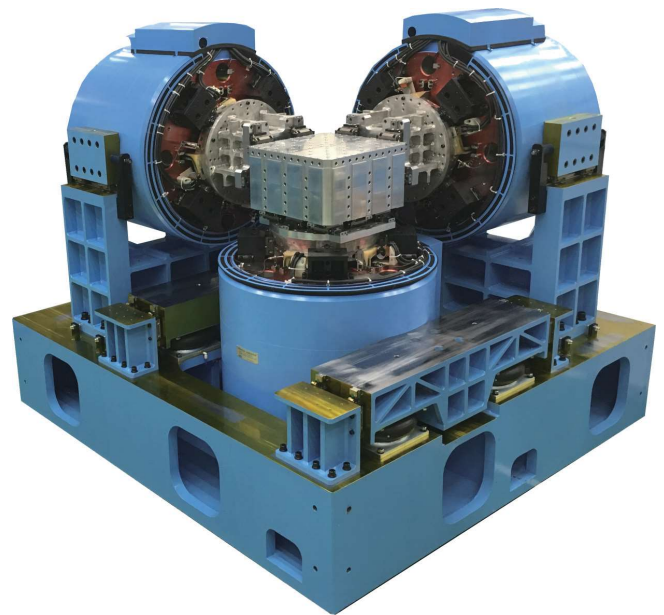
# 3-AXIS SIMULTANEOUS VIBRATION TEST SYSTEM



## CONCEPT : THE FUTURE OF THE AUTONOMOUS DRIVING MARKET

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.



## MAJOR SPECIFICATIONS :

Model No.	VTS-20M0-3	VTS-30M0-3	VTS-40M0-3	VTS-50M0-3	VTS-60M0-3
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				





Higher Performance Lower CO<sup>2</sup>

# 3-AXIS SIMULTANEOUS VIBRATION TEST SYSTEM

## RAISING DEVELOPEMENT SPEED AND EFFICENCY WITH 3-AXIS SIMULTANEOUS TESTING

### TABLE UNIFORMITY

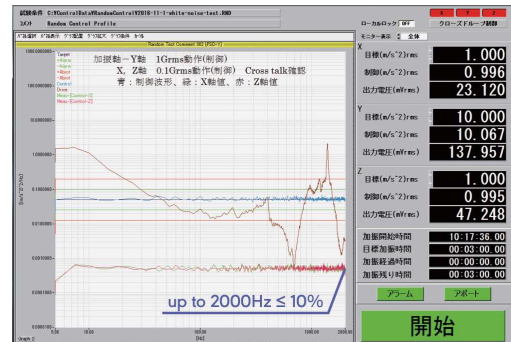
Essential for Precision Improvement For parts like PCBs with a low rigidity and a big surface the Uniformity of the table is of pivotal importance. Thanks to the new sliding unit the 3DED series succeeds in keeping the discrepancy for all 4 table corners within  $\pm 3\text{dB}$ .



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. Please enquire for details.

### NEW TECH CENTER JAPAN - OPENING 2021 Q4

Koga-shi, Ibaraki  
 100km from Central Tokyo Intl Airport  
 Site area: 3,413 m<sup>2</sup>  
 Total floor area: 1,200 m<sup>2</sup>



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