



4 Poster

【Multi-point multi-axis vibration test systems】

Whole Car Body and Tyre-coupled excitation

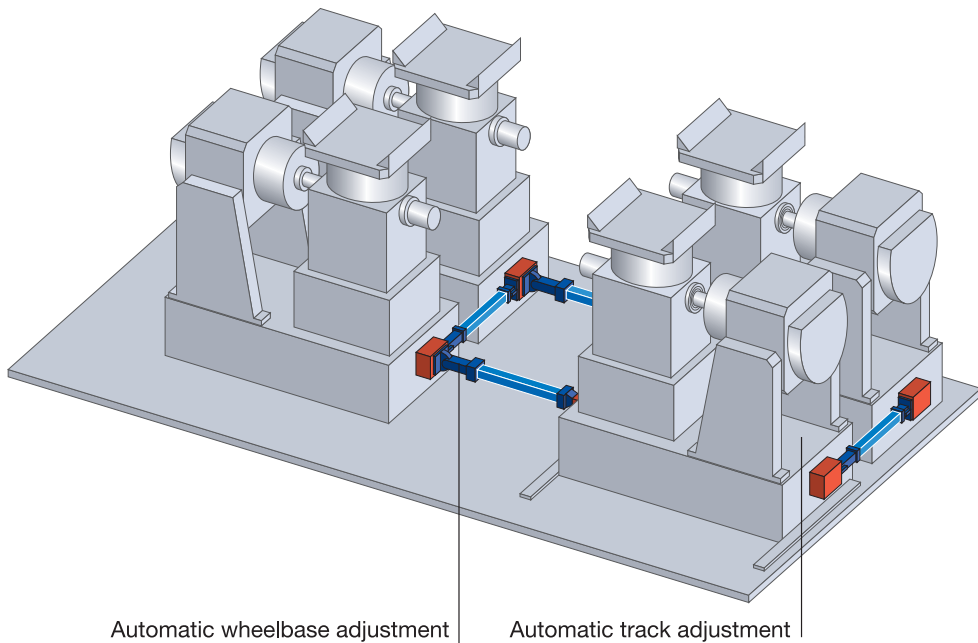


Benefit of Electrodynamic Vibration Generator

IMV's Tyre-Coupled Simulation Systems employs an electrodynamic vibration generator that has many cost and operational benefits for the user.

- Great Reproduction
- Quick & Clean
- Easy Operation
- Easy Maintenance

Compared with hydraulic actuators it has good linearity with no resonance in the operating frequency range, therefore it can reproduce realistic vibration. Electrodynamic systems need only a short time for startup (hydraulic systems require time for oil heat-up, and tuning of the feedback gain for stability). With clean and easy maintenance, ED systems can substantially reduce the running costs.



2Poster 3Axis	
Max. Force per axis	20kN
Max. Acc.	100m/s ²
Max. Vel.	1.0m/s
Max. Disp.	60mm ^{P-P}
Freq. Range.	0.1~500Hz

4Poster 2Axis	
Z-Axis	X-Axis
25kN	20kN
125m/s ²	100m/s ²
2.0m/s	
250mm ^{P-P}	
0.1~500Hz	