DYNAMIC SERVO
SAGInoMIYA

DiM
Driving Simulator

DXH SERIES

Driver in Motion

The Innovative Driving Simulator

Long-stroke version "DiM300" *Now available !!*

SAGInoMIYA

DiM Platform

Introduction

DiM Driving Simulator

With smooth movement in low frequency range and overwhelming performance in high frequency range which expresses limit vehicle driving conditions, "**DiM**" is a latest generation simulator which provides the experience "**real-time feeling**" of vehicle dynamics in Model Base Development (MBD) phase.

This shows the answers at model design stage that are accelerating the vehicle development.

"**DiM**" enables the validation of vehicle models, and has been already used by a lot of automakers as a simulation tool in order to reduce prototype machines and shorten vehicle development time.

When combined outer driving support system, "**DiM**" enables the cockpit driver to feel its movement safely to contributes as a tool accelerating ADAS development.

Hexapod (6DOF) + Tripod (3DOF) Combination System

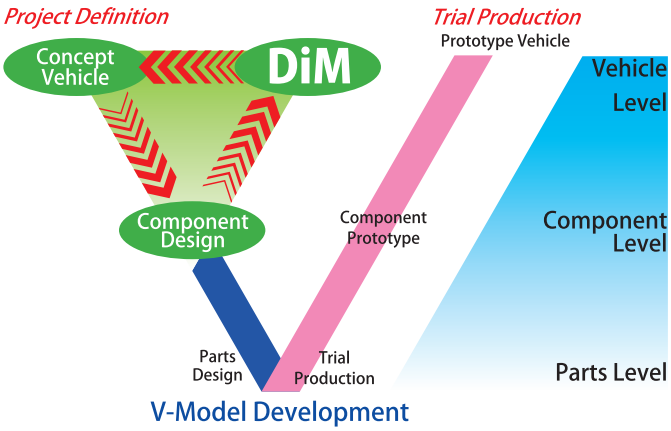
Based on entirely new concepts, "**DiM**" can work as a high performance compact driving simulator with combined systems consisting of newly developed electric servo combination (6 axis **Hexapod** and 3 axis **Tripod**) together with **Floating** system developed by SAGINOMIYA that fully utilized its extensive experience.

Being light weighted, highly rigid and highly responsive, Hexapod accurately reproduces high frequency in X, Y, Z, Roll, Pitch and Yaw directions.

Tripod, working with long strokes and high speeds, accurately reproduces vehicle dynamics in low frequency in X, Y and Yaw directions to precisely support Hexapod movement.

Hexapod and Tripod combinations, together with Floating system, can create innovative performance of "**DiM Platform**" driving simulator.

With long stroked Tripod, "**DiM 300**" can reproduce long lasting "Acceleration G" to be valued in wider range of situations.

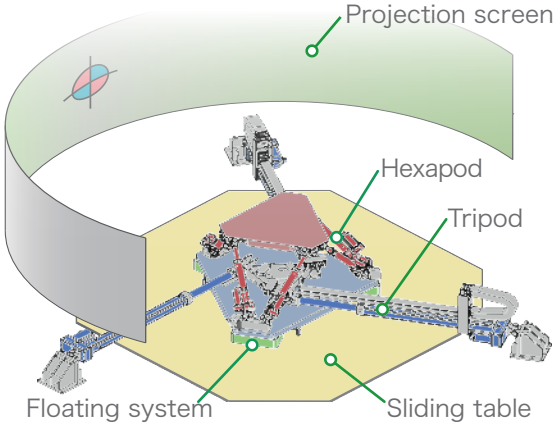


Features

Specifications

		DiM 150	DiM 250	DiM 300
Max. acceleration	X,Y	±25m/s^2		
	Z	±35m/s^2		
Max. frequency		30Hz		
Max. stroke	X,Y	±0.75 m	±1.25 m	±1.50 m
	Z	±0.28 m		
	Yaw	±25°		
Max. load mass		500kg		
Platform room size	W,D,H	9m, 9m, 6m	12m, 12m, 6m	14m, 14m, 6m
Power supply	Voltage	AC400V, 3-phase		
	Consumption	120kVA	140kVA	
Air source		1500NL/min, 0.8MPa		

Platform (DiM 150)



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NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and / or property damage.

2021.12