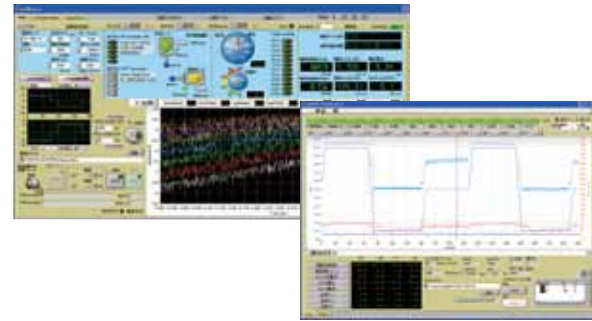


# MSH-10 EV-HEV Performance-Endurance Test System for Motor

## Space Creation Provides Comprehensive Test System for Motor

- 1 Comprehensive Test System for Motor Generator
- 2 Environmental Chamber and ATF Thermal Control System, DC Power Source, Electronic Load System, Test Bench
- 3 Power Running and Regeneration(to Power Supply)
- 4 Operation and Control System by LabVIEW and cRIO



\*LabVIEW and cRIO are trademark of NI.

## Inspection for Parts or Unit

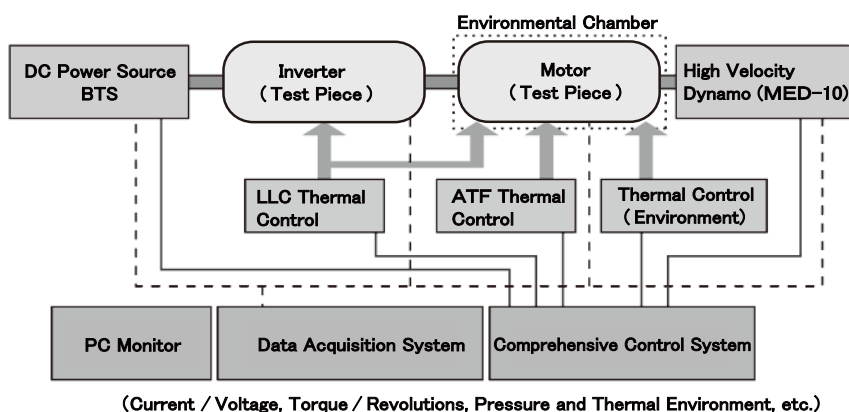
- Realtime Simulation by HILS (Equivalent to Actual Situation)
- Development Environment by MATLAB and Simulink
- Flexible Measurement System by LabVIEW

\*MATLAB and Simulink are trademark of MathWorks.  
\*LabVIEW is trademark of NI.

## Spec.

	Spec.	
AC Dynamo	Revolutions	to 16,000rpm (Max.20,000rpm)
	Max. Output	220kW (Exhibit : 22kW)
	Input Voltage	440V/220V
	Input Current	340A/860A
	Cooling	Water Cooling
Motor (Test Piece)	Input Voltage	DC750V
	Input Current	DC600A
Inverter (Test Piece)	Input Voltage	650V (MAX.750V)
	Max. Current	800A
	Carrierfrequency	1 to 20kHz
DC Power Source (Regeneration)	Output Voltage	DC50 to 750V (1V Setting)
Test Chamber	Thermal Control	-40 to 180°C
ATF Oiler	Thermal Control	-40 to 150°C
Comprehensive Control System	Setting, Control and Display by LabVIEW	
	N-T-N-I Output Characteristics	

## System



<Each of them is feasible>

ATF Thermal Control
Electronic Load System
Torque Fluctuation Simulator by Vector Control
Soundproof Chamber (80dB or less)
Environmental Chamber (Mobile Chamber)

**Space  
creation**

Space Creation Co.,Ltd.

1341-1 Zora-cho, Minami-ku, Hamamatsu-shi,  
Shizuoka-ken, 432-8062, Japan  
TEL : +81-53-447-2755 FAX : +81-53-447-2833  
E-mail : general@spacecreation.co.jp  
URL : http://www.spacecreation.co.jp

Agency