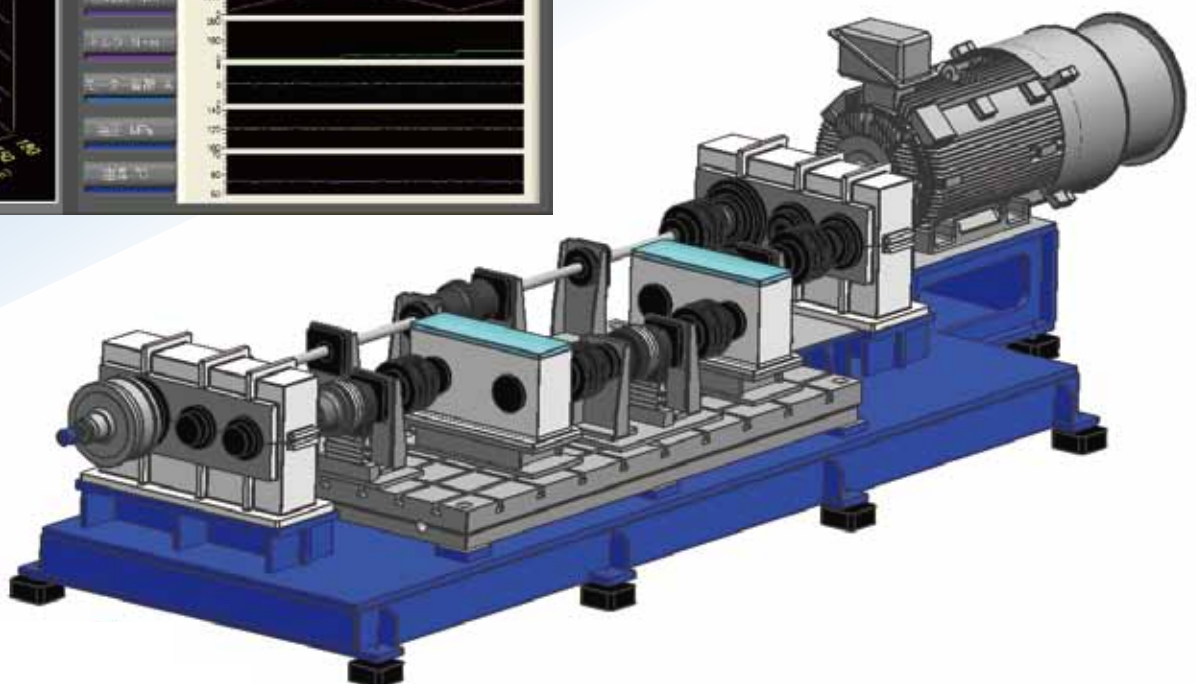


# MRP-10 Torque Circulation Electric Drive Test Stand

## Endurance Test, Various Inspection

1 Energy Saving by the Torque Recirculation System

2 Our original torque generation system makes it possible to control torque widely and highly.



## Torque Circulation System

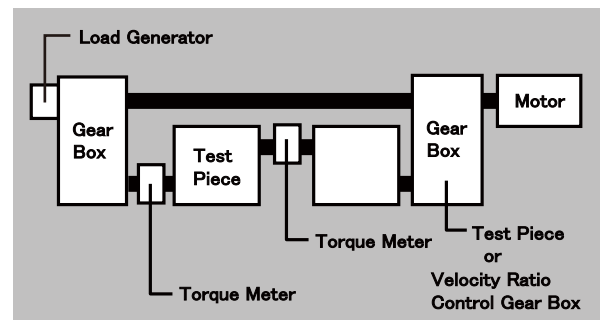
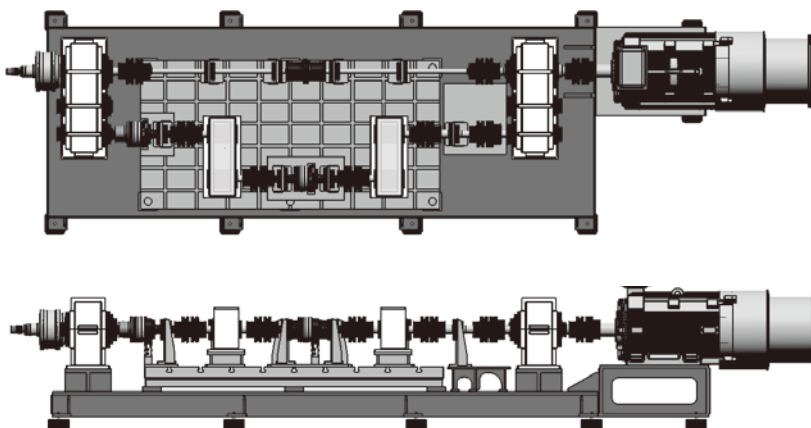
- Torque Recirculation System is the simulation system for inspection or function tests for gears and has a connecting shaft to make a loop.
- Under the steady-state operation, output power of driving motor is hold down by this system.
- We realized wide torque control range and high controllability by our original torque generation system.

### Spec.

	Spec.1	Spec.2	Spec.3
Test Piece	Transmission	Gear in the Gear Box	Gear
Max.Revolutions	10,000rpm	6,000rpm	9,000rpm
Max. Load Torque	1,500N·m	500N·m	300N·m
Driving Motor	160kW Vector Inverter Motor	37kW Vector Inverter Motor	7.5kW Servomotor
Temperature	80 to 120°C±5°C	Room Temp. to 120°C±5°C	Room Temp.
Operation	Manual / Automatic Pattern		
Measurement	Revolutions / Load Torque / Oil Temp. / Test Piece Temp.		
Data Acquisition	Data Logger (PC:Option)		

- We would take requests as much as we can.
- VisualBasic and LabVIEW are feasible.  
(VisualBasic is a trademark of Microsoft. LabVIEW is a trademark of NI.)

### Component Layout



Agency

**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>