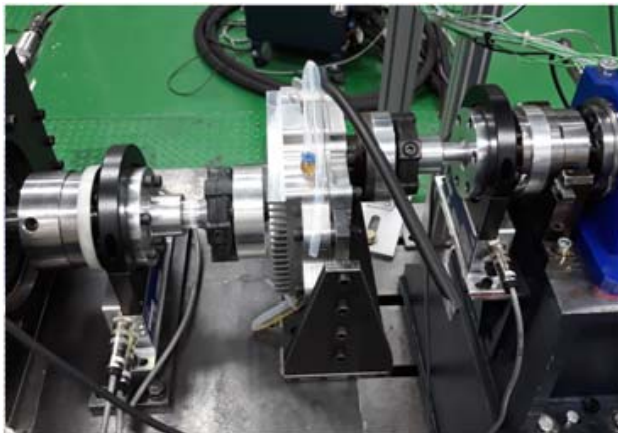
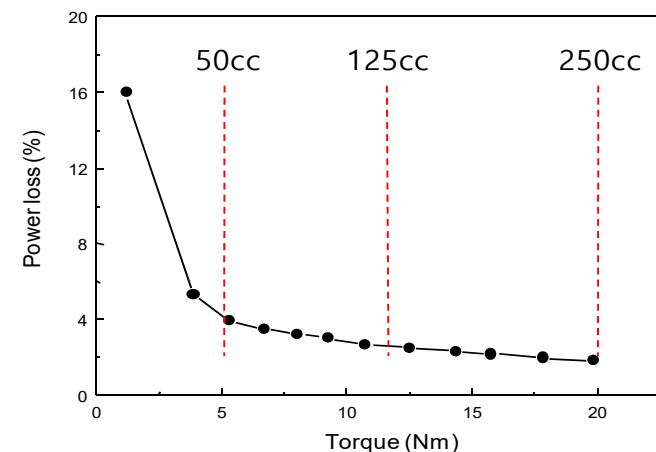


## The Measurement System to test Power loss and the Result in KATRI

- ◆ The photograph shows the measurement system to test Power loss in KATRI
- ◆ The other graph shows the power loss of a gear box on the input torque
  - As the input torque is higher, the power loss is lower
  - Power losses of the gearbox are about 2% in more than 10Nm



<The Measurement system to test power loss>



<The Power Loss of a gearbox at 8,000rpm>

### Opinion on Testing method of Max. Power & Torque(S.Korea)

- ◆ In general, maximum torque of 50cc in the motorcycle is about 5Nm, that of 125cc is 12Nm, and in the case of 250cc, the Max. torque is about 23Nm.
- ◆ It is important that the power loss of the gearbox may change depending on the input torque.
- ◆ A suitable gearbox should be used according to the torque and displacement of the engine in order to test on Max. power and torque, if gearbox used.
- ◆ For each input torque, the efficiency of the gear should be applied respectively in order to test it accurately, in the case of using the gearbox.