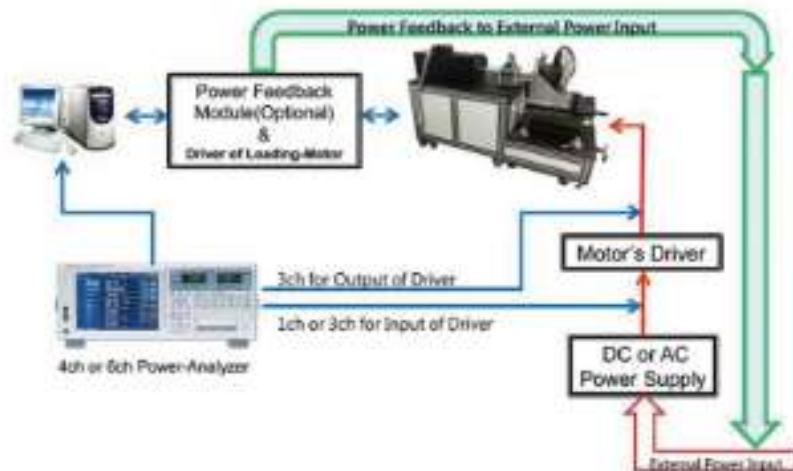


Dynamometer Test System (With Servomotor as a load)



Applicable Motor Type:

- BLDC motor
- AC / DC servo motor
- Single / Three-phase induction motor
- Single / Three-phase induction compressor motor
- DC Brushless compressor motor

Hardware:

- **Load Part:**
 - Servomotor
 - Power feedback module (optional)
- **Measurement Part:**
 - Torque Meter:
Kistler brand or Magtrol brand
 - Power Analyzer:
Yokogawa brand WT series
Hoki brand WP series
 - Low-Resistance meter: Hoki brand RM250A-D1
 - Computer: Advantech Industrial Computer

Test items:

- 1 q Induction motor \rightarrow V, A of the Main-Line, V_{line}-Line and Capacitor and \int W
- 2 q Induction motor \rightarrow Each phase V, A, and \int W
- Simultaneously measuring each phase V, A, and \int W of input and output of the driver
- Torque, Speed, Motor-Efficiency, Drive-Efficiency, Total-Efficiency, Motor-housing Temperature (Optional), Motor-coil Temperature (Optional), I_{nl} & I_q (Optional), Back-EMF (Optional), and so on.

Software functions:

- With the test data operation function
- Motor-File management: Add, Edit, Delete, Quick Search, Copy, and other functions
- Data-File management: Add, Edit, Delete, Quick Search, Copy, Print, and other functions
- I-R Characteristic-Curve test & Feed-Point test & Manual test
- Data-File can be exported to Excel format
- Test data can be displayed in 6 independent curves
- Characteristic-Curve can be used for comparison
(6 curves of characteristics can be shown at the same screen)