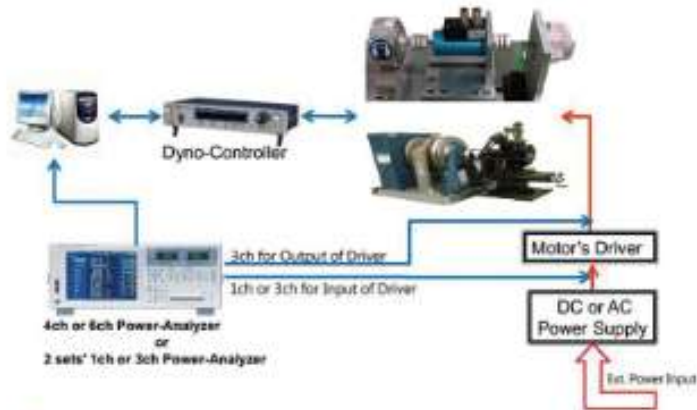


Dynamometer System (With hysteresis or eddy-current or powder as a load)



Applicable Motor Type:

- BLDC motor
- AC / DC servo motor
- Single / Three-phase induction motor
- High-Speed and High-Power motor (With Eddy-Current Loading)
- Low-Speed and High-Power motor (With Powder Loading)

Hardware:

- **Load Part:**
 - Using Hysteresis or Eddy-Current or Powder
- **Measurement Part:**
 - Torque Meter
 - Kollmorgen brand or Magtrol brand
 - Power Analyzer
 - Yokogawa brand WT series
 - Hoki brand PA series
 - Kygnal brand
 - Low-Resistance meter: Hoki brand RM1549-G1
 - Dyno-Controller
 - Jon-Precision brand DC-1000 or DC-2000
 - Kygnal brand CS1 series
 - Computer: Advantech Industrial Computer

Test items:

- 1 ϕ Induction motor \rightarrow V, A of the Main-Line, V ϕ -Line and Capacitor and \int W
- 3 ϕ 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), and so on.

Software functions:

- With the menu compensation function
- Motor-File management: Add, Edit, Delete, Quick Search, Copy, and other functions
- Data-File management: Add, Edit, Delete, Quick Search, Copy, Print, and RealTime Chart Printing and other functions
- 1-N Characteristic-Curve test & Fixed-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
 - 5 curves of characteristics can be shown on the same screen