

ENGINE DYNAMOMETER

Dynamometry and Engine Testing Using the Desktop Dynamometer (1 day)

Price RM 650 per pax (minimum 10 pax)

In this course the flexible “DeskTop Dynamometer” is used to explore many aspects of Engine Testing. The DeskTop Dynamometer comes with a Honda GX35 Gasoline Engine, and dynamometer controller, together with software for displaying and logging data from the engine. Various experiments are described, along with theoretical considerations, and then demonstrated live, including analysis of the resulting data.

- Dynamometry Basics
- Speed & Torque Measurement
- Load & Throttle Control
- Engine Characterization & Dyno
- Wide Open Throttle Torque Curve
- Part Throttle Torque Curve
- **Dyno Torque Curves**
- **Thermal Torque Degradation**
- **Proportional Control**
- **Differential Control**
- **Automated Testing**
- Fuel Consumption Measurement

