

AC Dynamometers

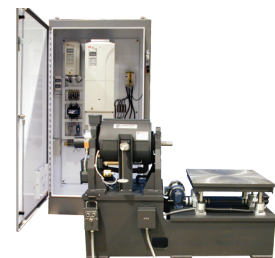
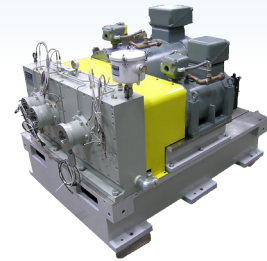
Dymond Series Regenerative Systems



Features

- Regenerative models from 5 to 2,600 Horsepower
- Low inertia
- Fast response for transient testing of engines and transmissions
- Bumpless transfer from absorbing to motoring
- IGBT Line Regeneration for “clean” regenerated power (meets IEEE 519 compliance standards)
- Accurate and repeatable dynamometer control
- Seamless test-cell integration
- Trunnion mounted, foot mounted, table mounted, or adjustable height table mounted
- Blower-cooled or liquid-cooled dynamometers and drives
- Load cell or inline torque transducer
- Optional winding heaters
- Optional safeties:
Bearing and winding temp, water and air flow
- ABB Integrator

Dyne Systems provides a fully integrated, heavy-duty AC dynamometer and control system package, including drive, dynamometer, and control box. Whether testing small electric tools, large electric motors, off-road diesel engines, marine diesel engines or powertrain components, Dymond Series is the strongest solution to the toughest problems.

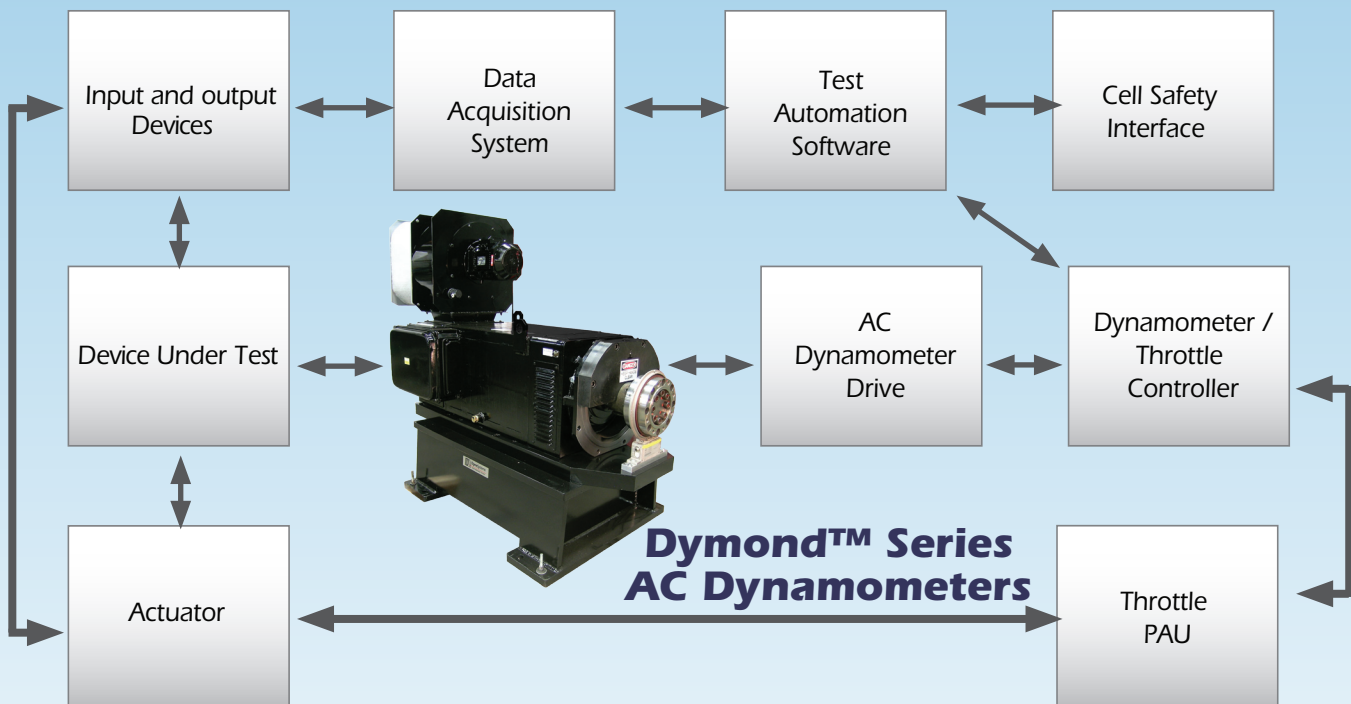


Testing Applications

- Engine
- Electric Motor / Alternator / Generator
- Transmission / Transaxle / Differential
- Component / Gear Box / Lubricants
- Aircraft Starters
- Pumps / Compressors



Your Dynamometer and Control Experts



Dyne Systems Product Line

Closed Multi-Loop Dynamometer & Throttle Control

- Inter-Loc V
- DS630 Inter-Loc V Throttle Controller

Closed Single-Loop Dynamometer Control

- Dyn-Loc IV
- Dyn-Loc V

Closed Loop Throttle Control

- DTC-1
- DS830 Stand-Alone Throttle Controller

Open Loop Dynamometer Control

- DS820 Eddy Current PAU

Closed Loop Water Flow Control

- EWC-1

5-Gas Exhaust Analyzer

- XM2000

Data Acquisition

- Companion II: Dyne Systems proprietary
- Companion III: Yokogawa based
- Companion IV: NI cRIO based

Test Automation Software

- Cell Assistant for Windows
- Cell Assistant for LabVIEW™ (VeriStand™)

Test Cell Safety PLC Interface

- CIA I: Automation Direct / Koyo
- CIA II: Horner
- CIA III: ABB
- CIA IV: Allen-Bradley

Throttle Accessories

- Actuator, Remote Pendant, Cables

Eddy Current Dynamometers

- 5–5000 Hp

AC Dynamometers and Drives

- 5–1600 Hp

DC Dynamometers and Drives

- 5–1200 Hp