

e-motor Test Bench for laboratory



Overview

DAM Group produces laboratory and end-of-line test benches and measurement instruments for hybrid or electric powertrains.

This test bench performs the functional test of the e-motor and collects data on quality, reliability, and performance. It is composed of 3 parts: control room, testing part with main testbed and technical room.



Test application:

AERO | EV



- Standard and modular
- Easy to monitor
- High speed e-motor

Key Features

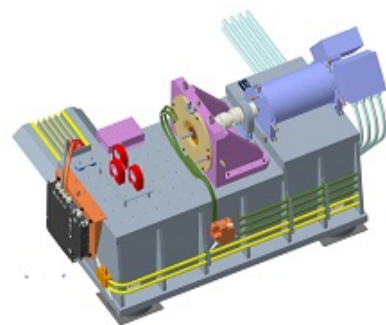
- Power/voltage/current for e-motor up to 450kW and its inverter
- Torque/speed: high accurate measurement
- Durability test
- Cooling power 62kW
- Flexible test definition
- Motor is tested in direct drive configuration

Benefits

- New test can be created without high level of software skill
- Parameters can be adjusted dynamically
- High accurate measurement



LABORATORY TEST



450KW E-MOTOR



ACCURATE MEASUREMENTS



FUNCTIONAL TEST



Ref.

e-motor Test Bench for laboratory-en

SIMPLIFYING THE COMPLEX

www.damgroup.fr

e-motor Test Bench

for laboratory



Technical Data

Measurement

Power:	up to 450kW
Max speed:	up to 20 000 rpm
Torque:	up to 600Nm
Cooling measurement:	flow
Durability test	

Layout

Testing part:	with the main testbed
Control Room:	safe and quiet area
Technical Room:	with power cabinets

Options

- Climatic chamber on request
- Possibility to have several sets of flange and shaft for several type of DUT

Software & data

Real Time data displaying	
High degree of flexibility	for prototypes test
Create new test sequence	
Get full data	
Tools for analysis	
DUT Control Unit:	CAN

DUT testing

DUT:	axial / radial
Several configurations:	direct drive / back to back

Services

- Aftersales service
- Maintenance
- Training - Assistance to build test sequence

More Info ? A Demo ? [→](#) **CONTACT US !**

 dam@dam.fr

 +33 4 78 26 95 83

DAM GROUP - 200, RUE LEON BLUM - 69100 VILLEURBANNE - FRANCE