

e-drive Test Bench

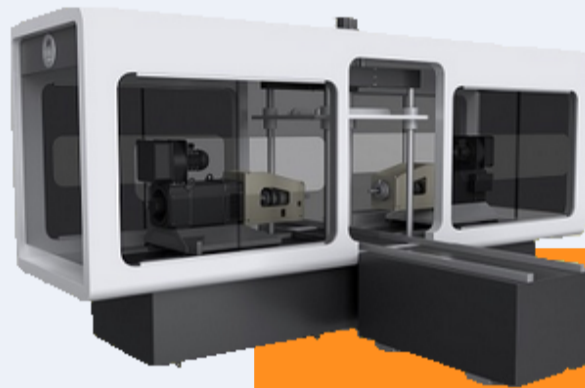
for EOL production



Overview

Based on 30 years of know-how for the vehicle electrification, DAM Group produces end-of-line test bench for electric and hybrid vehicles.

This automated test bench performs the functional test of the e-motor and collects data on quality, reliability, and performance.



Test application:

AERO | EV



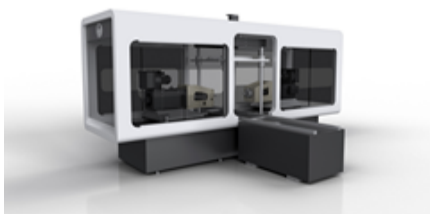
- ➔ Standard & Modular
- ➔ e-motor & hybrid transmission
- ➔ High accuracy measurement

Key Features

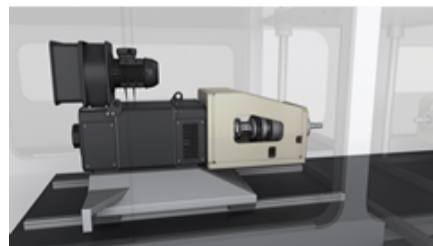
- Functional test and characterization for end of line
- Various measurement possible : Speed, Torque, NVH
- Data collection on quality, reliability and performance

Benefits

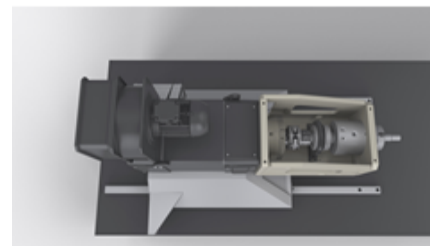
- Standard and modular: several configurations possible
- Green: reinjection of the breaking energy to the network
- Can test many products: e-axle, e-motor, gearbox
- High resolution encoder for speed measurement



END OF LINE PRODUCTION



E-AXLE / E-DRIVE



12000RPM / 460KW



ACCURATE MEASUREMENT



Ref.

e-drive Test Bench for EOL-en

SIMPLIFYING THE COMPLEX

www.damgroup.fr

e-drive Test Bench

for EOL production



Technical Data

DUT Testing

Maximum torque:	5000Nm
Maximum speed:	12000rpm
Maximum power:	460kW
Products tested:	e-axle/e-drive/e-tansmission

Software

Real time data displaying	configurable
Intuitive	

Configuration

Several configurations:	1,2 or 3 mechanical blocks
Loading:	AGV, conveyor
Contactless torquemeter:	
High resolution encoder	
Powermeter for AC and DC current/voltage with wide band current sensors	
NVH with accelerometers and microphones	

Data Communication

CAN	CAN Open with TCU
LIN	
FlexRay	
Others digital buses	
Interface with various car sensors	analog or digital

Options

- NVH measurements
- DAM Data Management

Services

- Aftersales service
- Maintenance
- Training

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

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