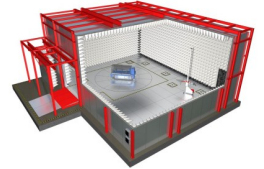




# Frankonia BlueBox - Dynamometer -

Frankonia



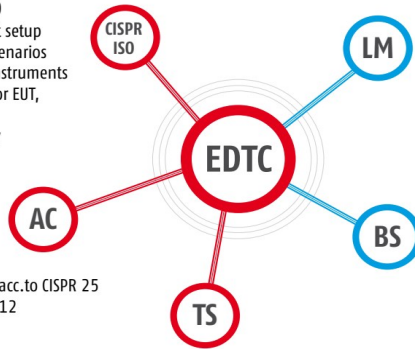
## 독일 프랑크니아사의 MOBILE LOAD MACHINE (DYNAMOMETER)



Requirements

### Standards CISPR & ISO

- CISPR and ISO conform test setup
- Respect of different test scenarios
- Interference suppressed instruments
- Secure test environment for EUT, chamber and staff
- Future-proof functionality



### Load Machine (Dynamometer)

- fixed version up to 350 kW
- mobile version up to 120 kW

### Battery System

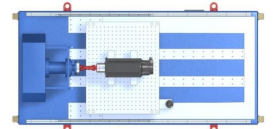
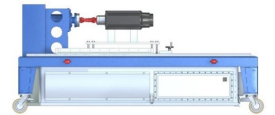
- Battery simulation
- Battery test
- Charging emulation
- for components and vehicle tests
- Available power range:
  - 300 A or 600 A
  - 100 kW up to 600 kW

### Anechoic Chamber

- dedicated for component tests acc.to CISPR 25
- or for vehicle tests acc.to CISPR 12
- or both in a single solution

### Test System

- Defined according to CISPR and ISO standards
- dedicated for component tests
- dedicated for vehicle tests



## - 다양하고 효과적인 모터 EMC 시험을 위한 최적의 솔루션

- CISPR 25 Ed.4에 따른 다양한 모터 응용 시험
- Fixed version (350 kW)과 Mobile version(120 kW) 두가지 방식 제공
- 배터리 시험과 결합하여 동적인 유용성을 제공
- E-Drive Test Chamber와 같이 구성하여 모터의 EMC 시험 및 HV 배터리 시험 실시
- Radiated Emission (EMI): Full compliant according to CISPR 25 Ed.4
- Radiated Immunity (EMS): Full compliant according to ISO 11452-2
- Additional battery simulation up to 1,000V, 600 kW and 600 A available
- Solutions for powertrain component (full flexible use)
- Test setup preparation outside the EMC chamber possible, Plug&play function
- Bulk body of Bluebox can be considered as a vehicle structure
- Highest European safety standards
- Integration kit for existing chambers available



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