

Electric Powertrain Testing

660 kW Electric Machine and Inverter Test Bench

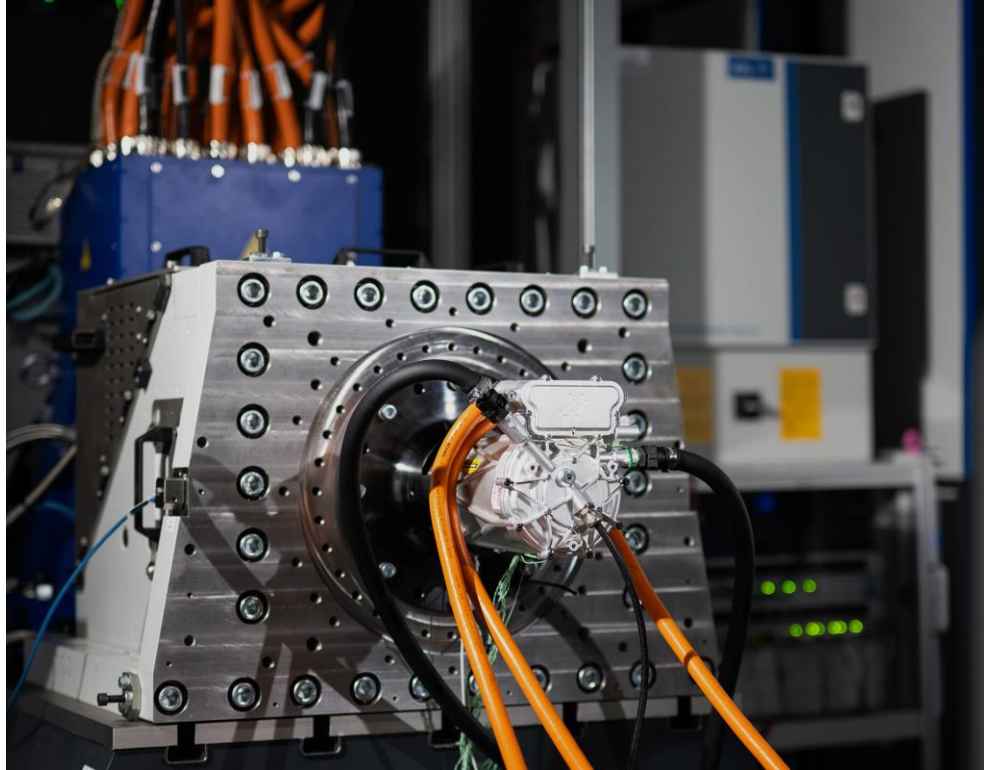


Foto: hyperdrives GmbH

Test bench dynamometer

Rated power	550 kW
Peak power	660 kW
Rated torque	650 Nm
Peak torque	780 Nm
Rotational speed	25.000 rpm

DC power supply (for DUT)

Rated power	2x 500 kW
DC voltage	40 ... 1200 V
DC current	± 1200 A

Universal Inverter

Rated Power	750 kVA
Rated Current (3 Phase)	1000 A _{rms}
DC Voltage	40 ... 1000 V
Switching Frequency	2 kHz ... 96 kHz

Data acquisition

Torque measurement	HBM T40MS 1000 Nm
Electrical measurement	X-ION E-Power
Control/DAQ system	AVL Puma