

INTELLIGENT PRODUCTION TECHNOLOGY

MODULAR TEST BENCHES FOR E-DRIVE SYSTEMS

ALREADY STANDARD AT teamtechnik



- + Many test fields already effectively deployed
- + Very latest test software
- + Short delivery times
- + Flexible automation options



Modular EOL test concepts for the very latest e-drives

teamtechnik supplies fully automated EOL test benches for e-drives, with adaptable test software, developed in-house. It provides full test functionality, from electrical testing to dynamic NVH testing.

What makes teamtechnik's test benches special:

- _ High drive system dynamics
- _ Excellent control quality for maximum reproducibility of measurement results
- _ Oil and water management
- _ Reliable energy management in the test bench
- _ Control of high currents and voltages
- _ Electrical tests and calibration
- _ Function and noise level testing
- _ Communication with control units
- _ Traceability (Industry 4.0)
- _ Testing with or without an inverter installed
- _ Adaptable test software with drag & drop functionality
- _ Tried and trusted human and machine safety concept

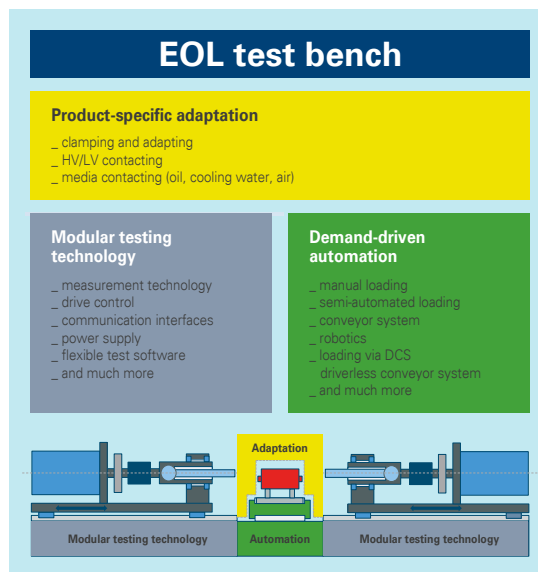
TECHNICAL DATA / PERFORMANCE DATA*

	Rated torque Nm	Speed rpm	Rated output kW
Output unit performance data (water-cooled)	3,500	2,600	220
e-drive types	coaxial or axis-parallel		
Noise level	< 70 dB		
Machine size, length x width	6,500 mm x 1,500 mm		
Weight (basic model)	12 tons		
Electrical connection power	280 kVA/400 V		
Test object power supply (DC source)	Flexible, ranging from 48 V DC to 900V DC		
Inverter	Optional: can be integrated in test bench		
Contacting	Automatic contacting of high and low voltage interfaces		
Test oil supply	Filling, suction extraction, conditioning		
Cooling water supply	Filling, suction extraction, conditioning		
Operator interface (HMI)	22"		
Test software	teamsoft.TEST by teamtechnik (LabVIEW-based). All standard systems can be integrated.		
Automation	Hand loading, interlinking with transfer system, autonomous automation with driverless conveyor system		
Optional test bench concepts	Available without using hydraulic/pneumatic components		
Service	Ensured by our global service network		

* Data for a standard machine

Intelligent production technology with teamtechnik software systems

Optimally matched to our production systems, our teamsoft.MES production control software and teamsoft.TEST test software offer total flexibility for the test process modules. For e-drive test benches, teamsoft.TEST is the ideal, innovative, web-based test software for displaying test cycles graphically.



Test bench architecture

teamtechnik Group



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