

TMTB

Traction Motor Test Bench

Test bench for testing AC and DC traction motors for full traceability of maintenance/manufacturing process.

Flexible use and easy management in the customer premise asset.



MAIN FEATURES OF IRMIE IMPIANTI TMTB ARE:

- Developed for manufacturers and maintenance operators in the railway sector;
- Testing in compliance to EN 60349-2 for asynchronous motors including:
 - Short-time heat run;
 - No-load test;
 - Locked rotor test;
 - Maximum speed test (overspeed);
 - Load tests (OPTIONAL).
- Testing in compliance to EN 60349-1 for DC motors including:
 - Heat run test;
 - Motor characteristic readings;
 - Commutation test;
 - Maximum speed test (overspeed);
 - Load tests in back-to-back configuration (OPTIONAL).
- Vibration measurements integrated (OPTIONAL);
- Temperature measurements integrated (OPTIONAL);
- Operation automatic mode for tests complying with regulations and/or customer specifications;
- Manual mode operation for type tests and troubleshooting;
- GSM connection for remote assistance;
- Login with smart card and/or username and password;
- Test report with automatic evaluation of results;
- Possibility of quick implementations, changes and/or re-parameterizing of the tests in agreement with the customer;
- Full traceability of all machine parts.



AVAILABLE SERVICES

- Maintenance/calibration at the customer's premise;
- Full list of spare parts for minimizing plant downtime.



ADDITIONAL OPTIONS

- Insulation Resistance measurement integrated;
- Phase-to-phase stator winding resistance measurement integrated;
- Barcode reader for data input of the rolling stock to be tested;
- Soundproof cabin.