

# BRAKING-IN STAND FOR DC AND AC ENGINES



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# BRAKING-IN STAND FOR DC AND AC ENGINES

The stand is intended for DC and asynchronous traction engines it provides engine running tests while the traction engine is tied to a wheelset which is performed in the repair processes of electric traction units.

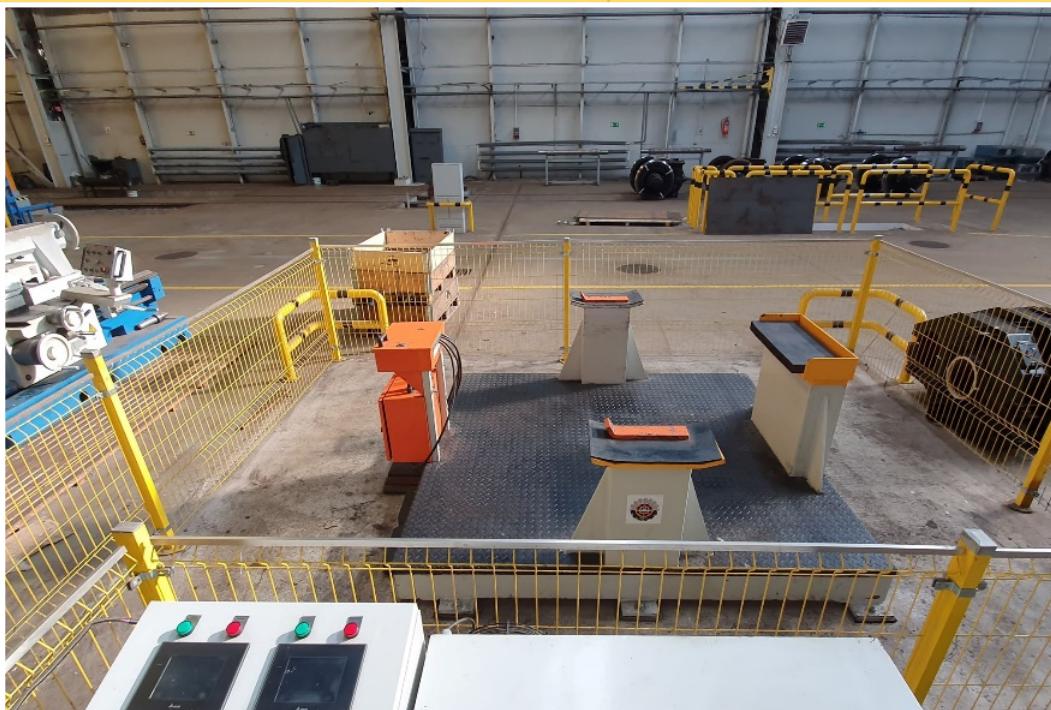
## TEST STAND CONSISTS OF:

- Construction of the foundation of unit: traction engine – wheelset
- Electrical unit: steering board cabinet integrated with electrical drive of traction engines
- System providing change of engine rotations direction
- Apparatus allowing for measurement of noise and temperature in important spots of the traction unit and wheelset while the whole system is running

In steering cabinet a drive AMD-C for a three-phase asynchronous traction engines is mounted, it allows for work in a range of 3x400 V AC and frequency 0-60 Hz, the nominal power of the drive is 70 kW. Steering cabinet also contains drive MP mentor which provides drive for series direct-current engines in a range 0-400 V DC with a nominal power of 70 kW.

Test stand is protected from direct access by means of protective fence with entrance equipped with an electrical lock and an end switch which in case of unauthorized opening causes turn off of the test stand power supply.

CHARACTERISTICS	DATA
Voltage supply	3x400 V AC and 0-400 V DC
Mass of the stand	2000 kg
Power	2,5-70 kW
Frequency	60 Hz



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