
Inspection of the magnet system

The need to inspect

Magnet systems are capital assets that have a long service life. Like all lifting devices they are subject to regular safety checks. The relevant authorities or departments within the company will require the operations manager to prove that the magnet system continues to fulfil the basic safety requirements and is conformant to a number of guidelines and regulations such as:

- Country-specific regulations
- Industry standard technical regulations
- In-house company guidelines

Do you have the expertise and authority to do this yourself?

Getting a specialist involved

Whatever the reason for the inspection, to ensure that the work is carried out to the highest standards, we recommend using a system specialist. Our maintenance specialists have the necessary skills to perform safety inspections. Where official regulations apply, it may be necessary to check that the specialist is properly certified and that the inspection is therefore fully approved by the authorities.

Our service package

Based on the safety provisions to be applied, the inspection process is supported by standardised checklists containing a statement of compliancy. This includes issuing to the customer a list of any defects along with recommended repairs. The key inspection items are:

- A general check that all parts of the system are working properly
- Safety functions of the magnet controller
- Spreader beams
- Magnets and magnet suspensions
- Magnet control system
- Electrical plug connectors, cable and cable glands
- Cable reelers and slip rings
- Check magnet isolation
- Back-up battery, battery switchover procedure and battery charger
- Signal interfaces between magnet system and crane
- User Guide, technical manuals and data back-up

Certificate

A TRUNINGER safety certificate is issued to confirm that the inspection has been properly carried out.