

Rope Technology is a core competence of the Institute of Mechanical Handling and Logistics. We have many years of experience in the development and application of a wide range of practical rope testing methods.

In the field of non-destructive rope testing, we test and monitor systems in which ropes are used. Our spectrum includes:

- Ropeways
- Bridges
- Cranes
- Shiplifts
- Offshore areas
- Storage and handling equipment
- Industrial facilities
- Leisure facilities

We will advise you on all questions relating to non-destructive rope testing and ropeway technology.

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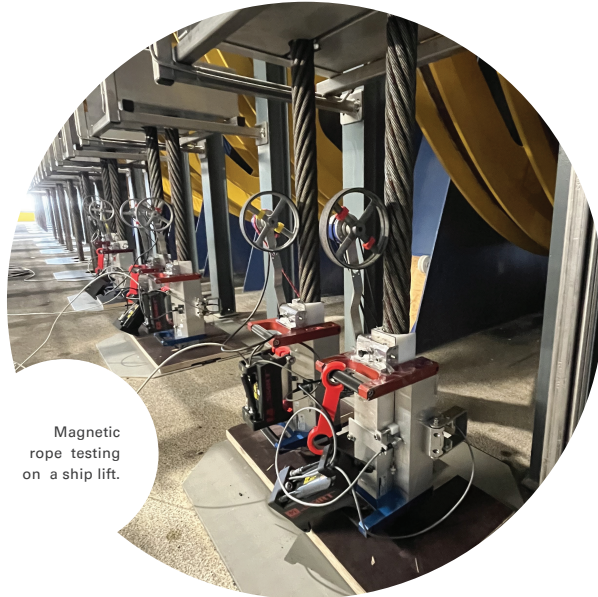
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NON-DESTRUCTIVE ROPE TESTING



IFT

Magnetic Rope Testing



Magnetic rope testing on a ship lift.

Magnetic rope testing in the field of passenger transportation technology is one of our core competencies. In addition to classic mountain ropeways, our test objects also include bridges, cranes, shaft hoisting systems and leisure facilities.

Our services:

- Magneto-inductive rope testing on hoist ropes, hauling ropes, suspension ropes, tensioning ropes, guy ropes, etc. (\varnothing 4 mm – 140 mm).
- Magnetic high-resolution rope testing / LMA.
- Preparation of expert reports with assessment of the rope condition.

Research and development:

- New and further development of rope testing devices.
- Basic research for testing methods.

Visual Rope Testing

With the use of digital visual rope inspection, we can safely and reliably determine the quality condition of ropes. The analysis is software-supported. The mobile SVRT rope testing system developed by IFT is suitable for testing hauling, hoisting and suspension ropes of ropeways and bridge ropes.

Our services:

- Visual Rope Testing up to 2,5 m/s.
- Preparation of expert reports on the surface rope condition.

Research and development:

- Further development of the visual rope inspection device for ropeways.
- New development of visual rope inspection systems for further applications (bridge ropes, crane ropes, ropes in high-rack warehouses).



The rope testing system SVRT enables fast and reliable rope testing according to objective criteria.

Recognised Expert Body for Ropeways (since 1950)



We test and examine the safety of ropes and ropeway installations.

We provide expert advice on all aspects of ropeway technology. In addition to the assessment of new installations or subsystems damage and condition reports for existing ropeways existing ropeways or ski lifts.

Our services:

- Examination of the technical documentation and operational safety of ropeways and preparation of corresponding test reports and expert opinions.
- Execution of the certification of ropes.
- Inspection of the technical documentation for new ropeway installations and acceptance of major modifications to existing installations.
- Regular inspection of the technical condition of the installations and timely transfer of findings to the responsible authorities.