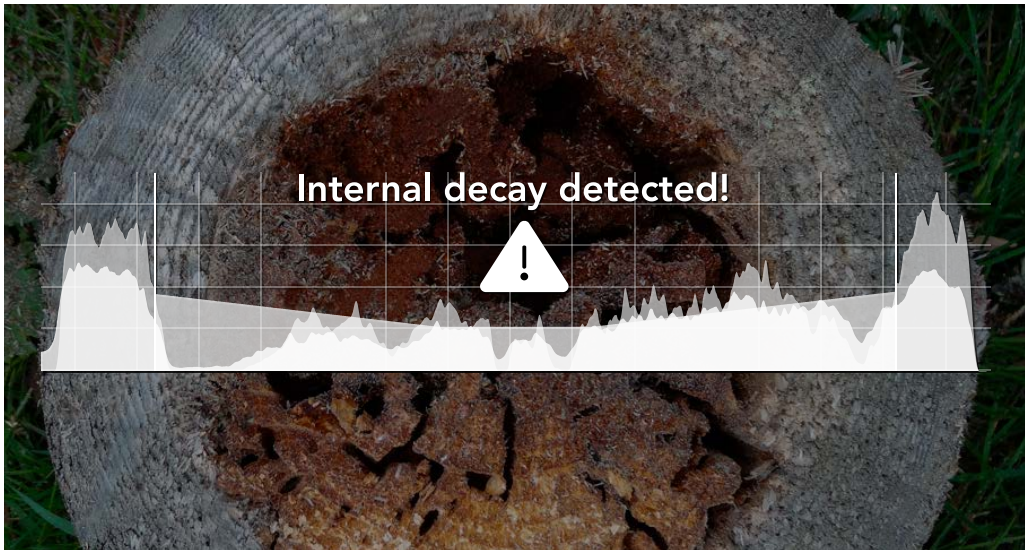


IML WoodInspector

Intelligent measurement curve evaluation
for automated wooden pole inspections

With Passion and Precision

Test results with virtually no effort

Even on site, the IML WoodInspector supports you with automated assessments when inspecting wooden poles.

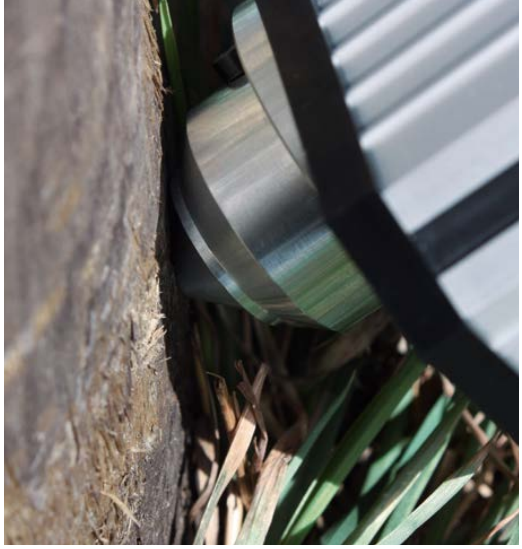
Display of the test results

The test result is displayed immediately after the drilling process removing any chance of subjective assessments. Not only does this speed up the process, but it makes it objective and repeatable.

Using various processes, the IML WoodInspector software enables the automated evaluation of test results and supports you in the best way possible during the assessment of the wood condition. Following the assessment, measures to safeguard the wooden pole can be taken directly on site.

For this reason, the extended functions of IML WoodInspector enable you to achieve the simplest, safest, and most cost-effective test process possible. This significantly improves the quality of the measurement.

Furthermore, once the measurements are downloaded, there is also the option to evaluate these measurements on the computer using PD-Tools PRO, or to export them into other programs such as GIS.



Always a step ahead

The most sustainable & economic method of condition analysis for wooden poles - intelligent, tailored, automated.

Automated evaluation

Measurements are evaluated directly on site in the IML-RESI PowerDrill® and can be transferred to an external handheld device.

Economic & sustainable

The most efficient and reliable method of wooden pole inspections equipped with digital measurement data storage.

Objective analysis

The internal condition of wooden poles is assessed objectively and reproducibly via the drilling resistance measurement and the automated evaluation.

Safety

Defects which cannot be detected from outside are identified and measured securely, to increase safety and reliability of the network.

IML WoodInspector functional scope:

Display:	Remaining wall thickness, residual strength, percentage of decay value
Flexibility:	Adjustable thresholds for automated assessment of the test objects
Connection:	Digital storage of measurement data for further processing in databases or GIS systems
Control:	Ensure reproducible and objective measurement results to avoid operator errors

Tailored for your application

Particularly for demanding applications, the IML WoodInspector is the perfect companion for wooden pole inspections.

Detection of early decay

The detection of early decay is based on a unique system which uses automated detection of different densities within the wood. The decay level (red area) is adapted automatically, depending on the density of the wood. Harder poles have a higher level of density therefore a higher amplitude is displayed on the measurement graph. Softer wood has a lower density and is easier for the bit to drive through the wood providing a lower level graph. Using the IML WoodInspector software, thresholds for remaining wall thicknesses, residual strengths or percentage of decay values can be custom-configured. This allows specification of a "bad" value for the inspection of wooden poles. Alternatively a range can also be set where just a warning is displayed. Specifications from energy suppliers and network operators can simply and easily be implemented and complied with accordingly using IML WoodInspector.

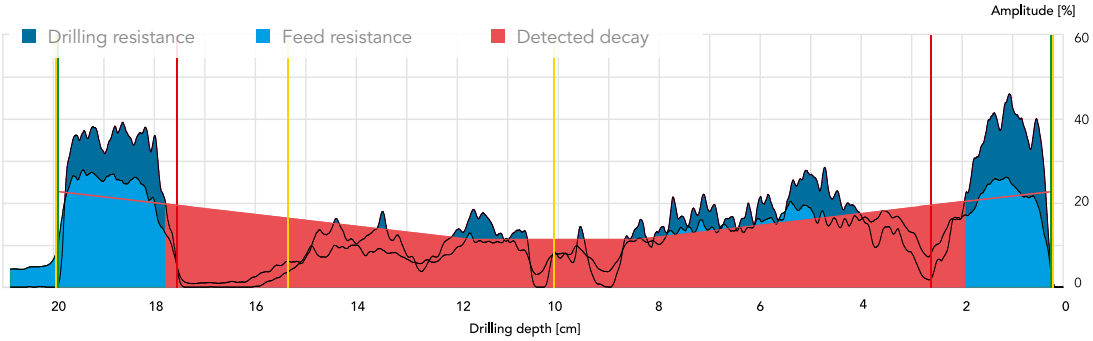


Diagram shows IML WoodInspector displaying a wooden pole's single measurement with decay

Functionality paired with flexibility

The IML WoodInspector configuration can be tailored to enable the use of international and national standards, as well as company requirements for the assessment of wooden poles.

Different thresholds for individual specifications

Based on three different limit values, the automatic evaluation allows good/bad results to be displayed directly in the measurement device.

Remaining wall thickness

The measurement result, which is produced automatically, is based on the lowest required intact wall thickness. The remaining wall thickness is evaluated in a percentage based on the individual pole diameter.

Decay & cavity percentage

Poles can be classified as good or bad based on the maximum permissible percent values for decay and cavities in the wooden pole.

Residual strength

The IML WoodInspector software calculates the residual strength of the wooden pole directly in the measuring unit based on the auto-detected diameter and the internal damage found.

Example measurements & infos via QR-Code!

Still have questions?
We would be happy to advise you in person

Phone: +49 6222 6797-0
E-Mail: info@iml.de

www.beready.online | 2020

With Passion and Precision

Manufactured by IML - Germany

IML – Instrumenta Mechanik Labor System GmbH
Parkstraße 33
69168 Wiesloch | Germany

Phone: +49 6222 6797-0
E-Mail: info@iml.de
Web: www.iml.de

TÜVRheinland ZERTIFIZIERT

Management System
ISO 9001:2015

www.tuv.com
ID 0910086002