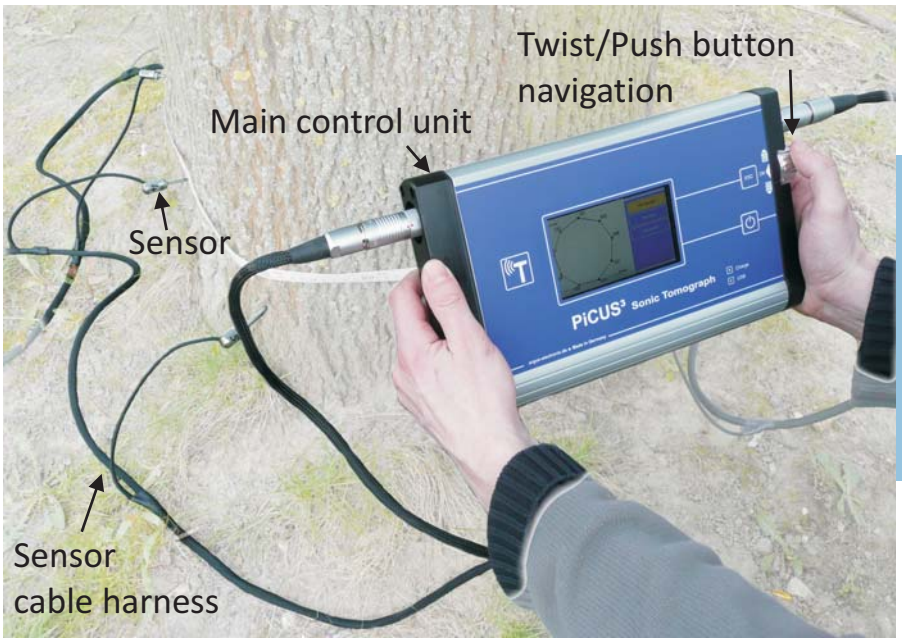
PiCUS 3

Easiest, smallest and fastest Tomograph ever!

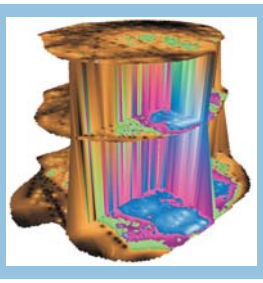
PROMAT
Your Solution To Testing Instrument

- **New compact system design**: one main control unit, no extra sensor-supply boxes.
- **Two cables only**: sensors are assembled to robust a sensor cable harness.



Electronic hammer - virtually no limit to tree size

- **Rapid data collection**.
- Up to **12 sensors** can work on up to **24 measuring points** using the electronic hammer.
- **NO PC needed** in the field. Can operate the entire tomography scan with or without PC
- **Preview sonic tomogram** shown on-screen **on-site.**
- **Three-point-measurements to quick-test** the tree to help decide whether a full tomogram is needed.
- Main control unit **saves hundreds of scans** on solid state memory.
- **Lightweight** - much less weight than previous models.
- Built in **GPS** and **Bluetooth.**



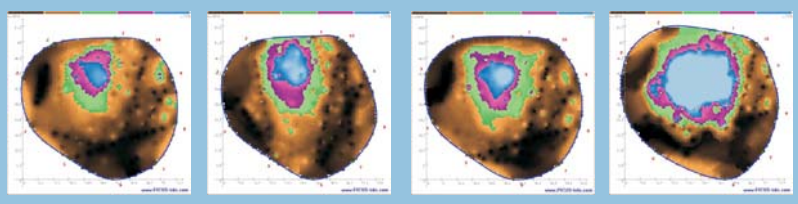
Tree Tomography Specialists since 1999

PiCUS 3 Sonic Tomograph

Benefits of PiCUS Sonic Tomography

- **Tomograms** are **easy to understand** and **to explain to clients**
- Information for **long-term tree maintenance**
- High resolution with few sonic sensors
- **Crack detection** function
- Works **independently of ambient conditions** (noise of cars, wind etc.)
- **Easy to use** right to ground level and on trees with buttress roots
- Accurate and **fast geometry** with PiCUS electronic calliper
- **Compatible with Treetronic** Electric Resistance Tomography providing the latest in tree imaging technologies on trees

Time lines to estimate the progress of decay



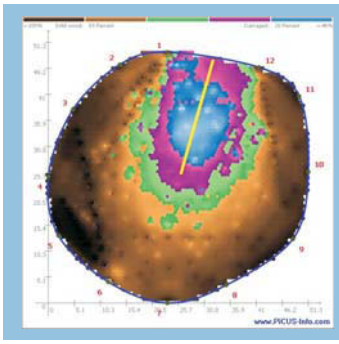
These tomograms show the development of decay in a beech tree from 2004 to 2011.

Combining Sonic and Electric Resistance Tomography

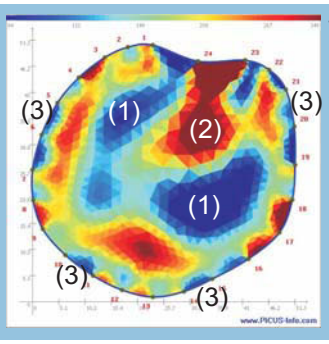
The Treetronic Electric Resistance Tomograph uses electric current/voltage to investigate trees. The Treetronic creates 2-D Tomograms (ERT) showing the electrical resistance of the wood.

By analyzing both SoT and ERT it is frequently possible to:

- Distinguish between different types of damage (for instance crack/cavity vs. decay)
- Detect early stages of decay
- Provide information about areas above or below the measuring level. This is beneficial for analyzing root decay problems.



The Sonic Tomogram clearly shows the defect. What type of damage did it find?



The ERT shows low and high conductive wood - active (1) and dead decay (2). Living sapwood is on the edge(3).

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