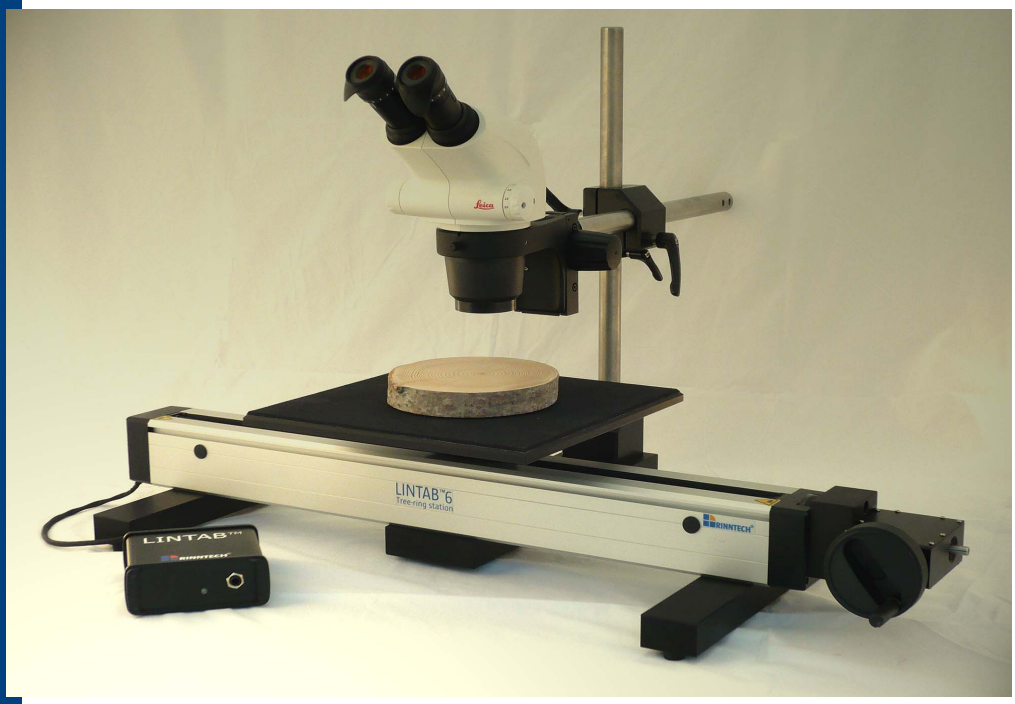
LINTAB™ 6

Tree-ring measurement station



Fields of Application:

- Dendrochronology
- Dendroecology
- Dendroclimatology
- Archaeology
- Geography
- Geomorphology
- Forest science

Technical Features:

- Spindle driven
- Protected against splash water and dust
- Measurement length 560 mm other length available on request
- Resolution from 1/100 mm to 1/1'000 mm.
- Sample movement 2.5 , 5 or 10 mm per round
- Hand crank diameter 80, 100 or 125 mm
- Optional 90° mitre gear wheel
- USB or serial connection (optional) to PC (Microsoft Windows®)
- High quality Leica® stereo microscope with zoom lens (up to 60x magnification)
- Optional extension: Photo or video adaptor.

LINTAB™ is a robust and precise measurement table for assessment of tree-ring series from increment cores, stem disks and other wooden samples. Equipped with a high quality stereo microscope it can reach an optional precision of 1/1'000 mm.

Advantages

Ergonomic

- Hand crank at the right or (optional) heading to the front.
- High precision linear encoder: measurement without backlash.

Easy handling

- Water- and dust-proved design: Spindle is encased and therefore unsusceptible for dirt from wet or decayed samples.

Compatible

- Connection to PC via USB-cable or standard serial (optional)
- Data assessment by TSAP-Win software. Can be exported to most other formats.

Portable

- USB-connection: no external power supply is necessary, therefore, the instrument can also be used in the field.

Precise

- Resolution from 1/100 mm (standard) to 1/1'000 mm (optional).

Flexible

- Sample weight up to 50 kg.
- Measurement left to right or right to left as well as from pith to bark or vice versa (adjustable).

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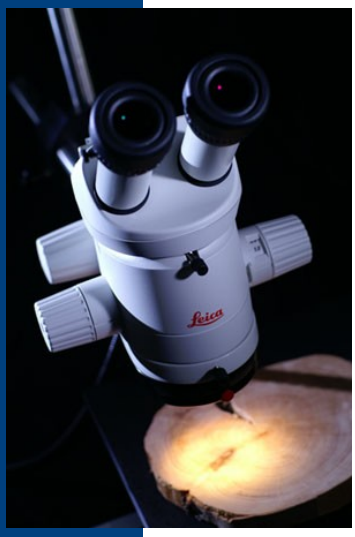
System parts

- LINTAB™ is built from an industrial linear feeding device, designed to move up to 50 kg of weight.
- The measurement length can be adapted to customers demands (on request).
- The 50x50 cm sample plate can also carry large samples.
- The hand crank is attached at the right side or is heading to the front (mitre gear).
- The measurement signals can be given by a cable mouse, a foot switch (optional) or by the PC mouse.
- A stereo microscope is directly attached to the table by a solid stand. LED sources are used for optimal illumination. Other light sources on request
- Measurement data are transferred to a PC by USB or serial port and recorded by the software TSAP-Win.



Firmly attached for precise measurements: Leica stereo microscope.

Optional: mitre gear wheel for more working comfort

Controlling software: TSAP-Win (see separate brochure)

- **Basic** (measurement, editing).
- **Pro** (Basic + cross-dating + chronology building).
- **Additional modules:** Math library, graph library, data format filters.
- **Scientific** (includes all modules).

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