



Lignum Test Centre

Various timber components can be tested for deformation and breakage at the Lignum Test Centre at Graz University of Technology. Not least the cross laminated timber developed there, which enables economical solutions in the field of multi-storey timber construction.



1

The samples for the comprehensive tests are cut to size in the in-house wood workshop. Numerous small devices make the production of a wide variety of designs and geometries



2

LIGNUM TEST CENTRE

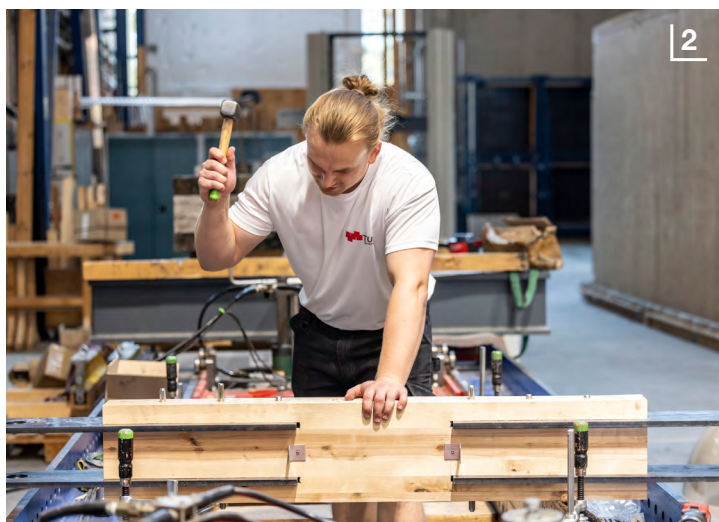
↗ Reel

Andres Ringhofer heads the Lignum Test Centre at the Institute of Timber Construction and Wood Technology. The centre is open for R&D collaborations and certification tests.

2 The testing machines lig- num_uni_275 (com- pany zwick, load range from 0 to + or -275 kN), lignum_z_850 (company Zum Wald, load range 0 to 850 kN), lignum_ dz_100 (load range -800 to +1100 kN), a torsion testing machine and a flexion-torsion unit can be used to carry out a wide range of bar tests, tensile tests and torsion tests.



3 The load limits of the timber components are determined in the Lignum Test Centre. Of course, they also break in the process.



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