

REPORT

ETH Zurich
Robotic Timber Assemblies

SPATIAL TIMBER ASSEMBLIES: ARCHITECTURE, ROBOTICS, AND CRAFTSMANSHIP

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The Robotic Fabrication Laboratory (RFL) is the world's first research platform for large-scale robotic fabrication in architecture. The RFL is a ceiling-mounted gantry system that spans the entire laboratory hall and is able to work across a total volume of 45 x 17 x 6 metres using four cooperating industrial robots. This allows it to carry out experiments in the field of robotic fabrication in architecture on a scale previously unknown and also opens up new fields of research. The RFL is an integral component of the new Arch_Tec_Lab at the Institute for Technology in Architecture (ITA).

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