

Infrastructure for STF Laser

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A horizontal dotted line in a light green color is located at the bottom of the slide, spanning the entire width.



Boundary Conditions

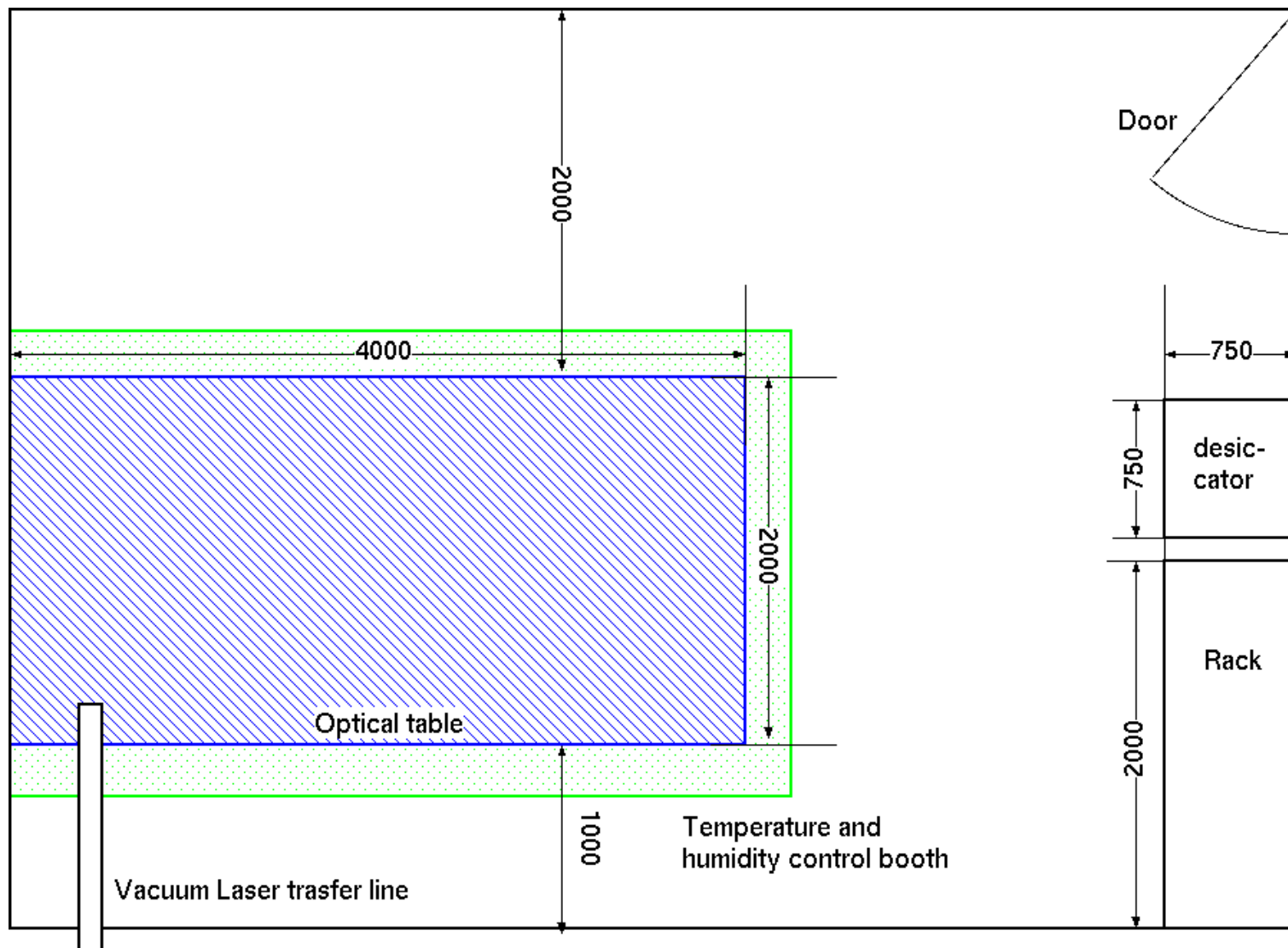
- ▶ STF Laser system is composed from
 - ▶ **PMO (Picosecond Master Oscillator)**
 - ▶ **Macro-pulse profiler**
 - ▶ **Yb fibre amplifier**
 - ▶ **Nd:YLF main amplifier**
 - ▶ **HG (Harmonic generator)**
- ▶ Optical components can be accommodated in 2x4m optical table.
- ▶ Rack mount for controller/driver.
- ▶ Heat removal by water cooling.
- ▶ Precise temperature and humidity control



STF Laser hut

- ▶ 5x7m laser hut
 - ▶ 2x4m optical table
 - ▶ 1 and 2m for each side for working space
 - ▶ 3m for rack and desiccator
- ▶ Heat removal.
 - ▶ 2kW from flush lamp. 3KW water cooling chiller
- ▶ Air conditioned.
- ▶ Precise temperature and humidity control by clean booth for optical table.

Laser hut layout



Overall Layout

