# Tests

## Drilling

### Test1

Place: GreenFabLab, KampLintfort, Germany.
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This test was made to check the behavior of a drill to get familiar with the process and consider it for machine structure requirements.

**Materials:**

1. Drill:
- Brand and model: Bosch GSR 18V-21
- Torque: 21/55Nm

2. Bit:
- Diameter: 32mm
- Length: 500mm



**Process:**

The first time, I got to drill 30cm depth.



The second time, I got to drill 50cm, which is the total length of the bit.



**Results:** From this test, I observed that it can not take the soil sample by drilling in one go, separate the total depth on multiple phases would be the best in this case.

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