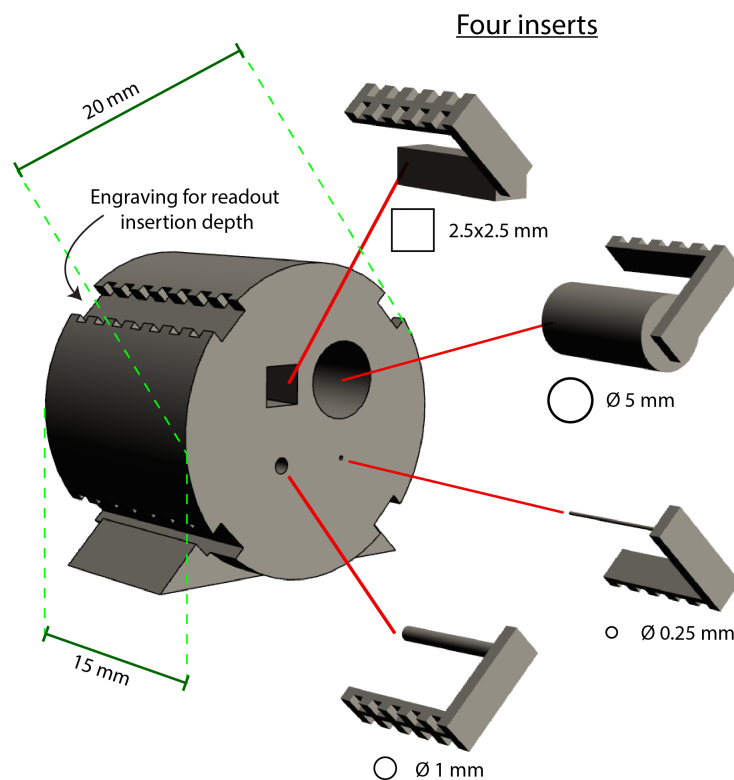


## 3D PRINT – CLEANING CHALLENGE DEVICE

Many industrial 3D printing techniques leave behind support material that needs to be removed during post-processing. BuBclean has developed a Cleaning Challenge Device as a benchmark for evaluating the cleaning procedure for 3D printed objects.



### MODEL DESCRIPTION

The Cleaning Challenge Device consists of a cylindrical base station with four holes, and four separate inserts. The inserts have a circular or square cross-section of varying diameter, which have been chosen to be both realistic and challenging for typical cleaning procedures. The distance that the inserts can be placed inside the holes is a measure of the cleaning efficacy, since any remaining dirt will prevent the inserts from sliding in completely.

Depending on the printer resolution, not all holes or inserts may be possible to print.

## INSTRUCTIONS FOR USE

**Step 1:** Print the base station and the four inserts, at highest resolution.

**Step 2:** Clean the base station and the four inserts using the regular post-processing cleaning procedures.

**Step 3:** Place the inserts into their respective holes in the base cylinder. Use the engravings to read out how many millimeter the inserts are able to move into the holes, which corresponds to the maximum depth that can be cleaned with your cleaning procedures.

The maximum depth is 10 mm.