



IFL Training Shift 07-2: Lathe (Simple Part)

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Introduction

- As part of your onboarding with the lathe, you will create a tool clamp post from 3/4" aluminum stock. It consists of 1 piece, done in four operations.
- The engineering drawing that you will follow to make the part are attached on the lathe. They will also be linked in this guide
- If you have any questions while completing the part, feel free to ask and SLM or LC in the lab!

Step 1 — Waterjet Tool Post



- The waterjet tool post will be completed in three checkpoints, pictures from each checkpoint will be included for reference.
- **Checkpoint 1:** Turning down the clamp holder part of the tool post and knurling the handle (Picture 1). This step requires the face turning tool and knurling tool.
- **Checkpoint 2:** Turning down the threaded section of the tool post (Picture 2). This step requires the face turning tool.
- **Checkpoint 3:** Threading the tool post (Picture 3). This step requires the 10-32 Die.