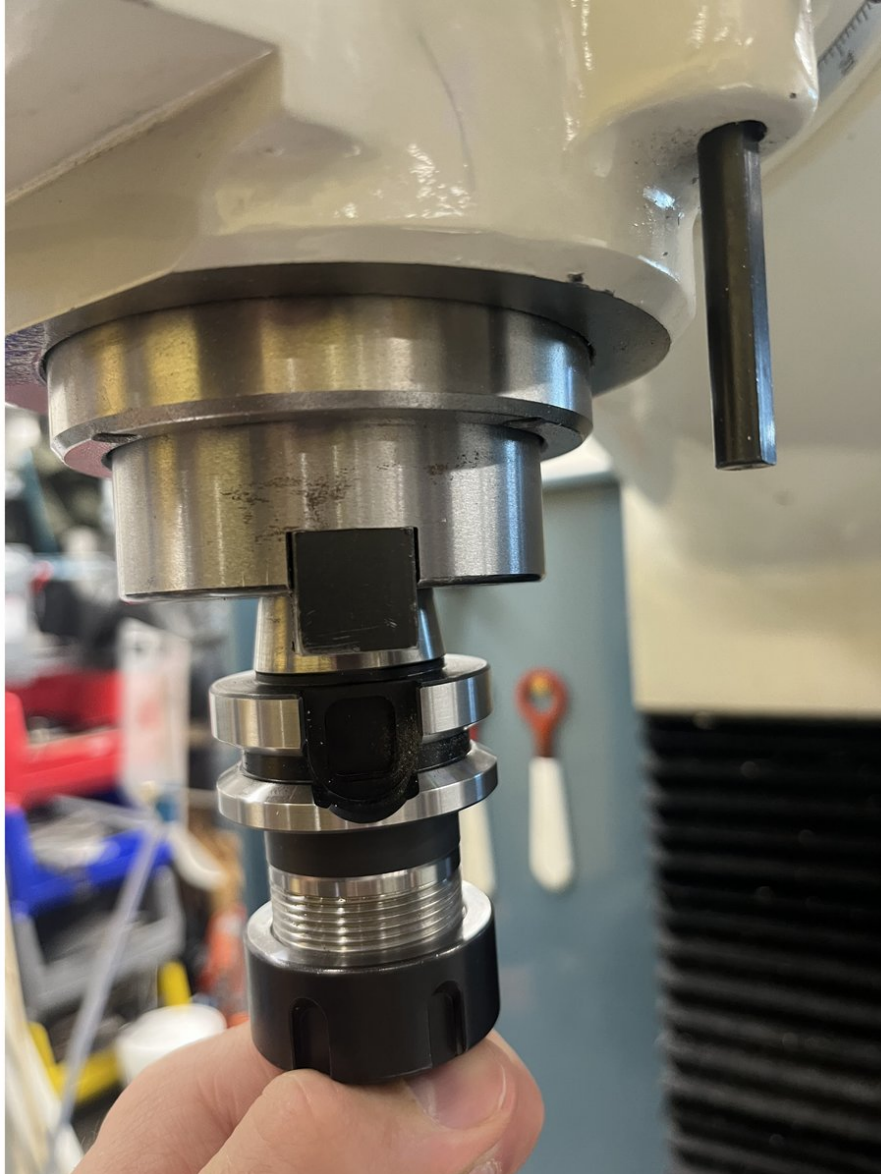




# Change Tools

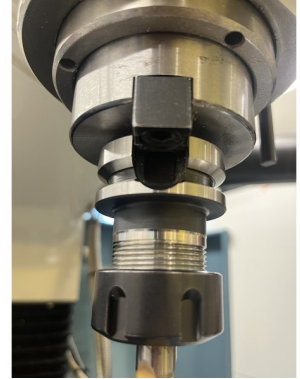
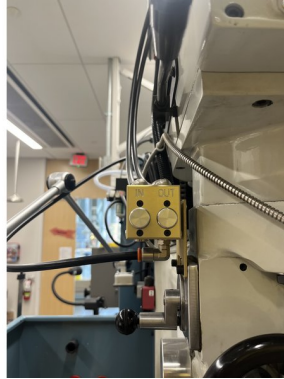
Written By: Ethan Alexander Hays



## Introduction

how to take out and put in tools using the power drawbar

## Step 1 — Inserting a tool



- Hold the tool in the machine and make sure the tool holder is lined up with the block on the quill.
- Press "IN" on the power drawbar. Make sure the tool holder is fully seated.

## Step 2 — Removing a tool



- Lock the quill.
- Hold the tool holder and press "OUT" on the power drawbar.

## Step 3 — Tips

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- Tools holders will get "stuck" if:
  - The tool holders have corrosion(Clean with abrasive pads)
  - Quil is not all the way up
  - Power drawbar was overtightened (tap tool holder with mallet)