

# Milling Machine Operations

Bob Sorenson

# Objectives

- . General Overview
- . Major Sub-Assemblies
- . Specifications
- . Accessories
- . Cutting Tools
- . Precision Measurement
- . Edge Finding
- . Advanced Tooling

# General Overview

Grizzly G0704



# Headstock





Column



# Table





# Headstock Details



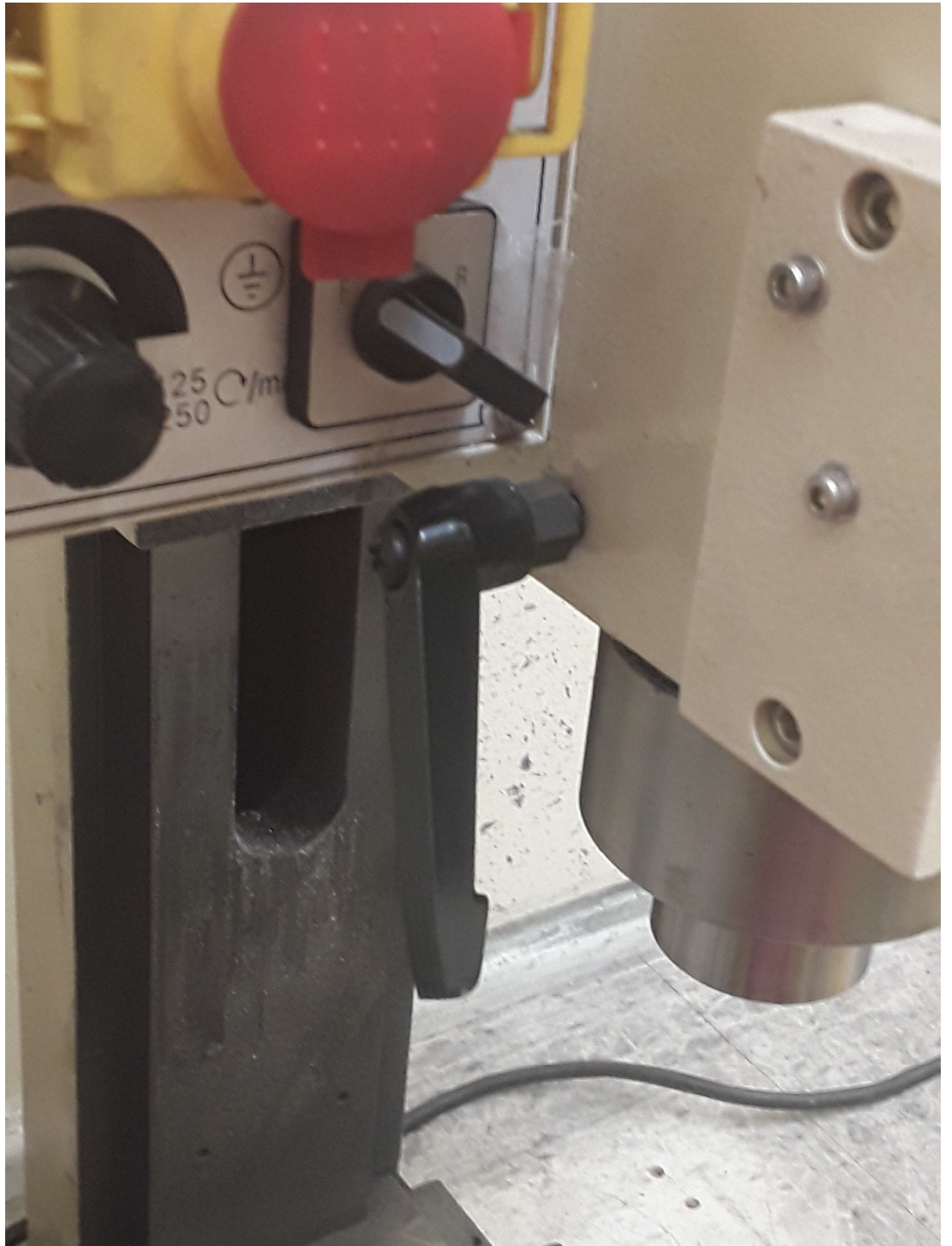
# Headstock Details





# Headstock

## Details



# Headstock Details



# Headstock

## Details





# Specifications

- Table Size
- Table Travel
- Spindle travel
- Max Distance
- Spindle Taper
- Speeds





# Collets, R8



# Collets, R8



# Collets, R8





# Spindle Accessories





# Spindle Accessories



# Spindle Accessories



# Spindle Accessories





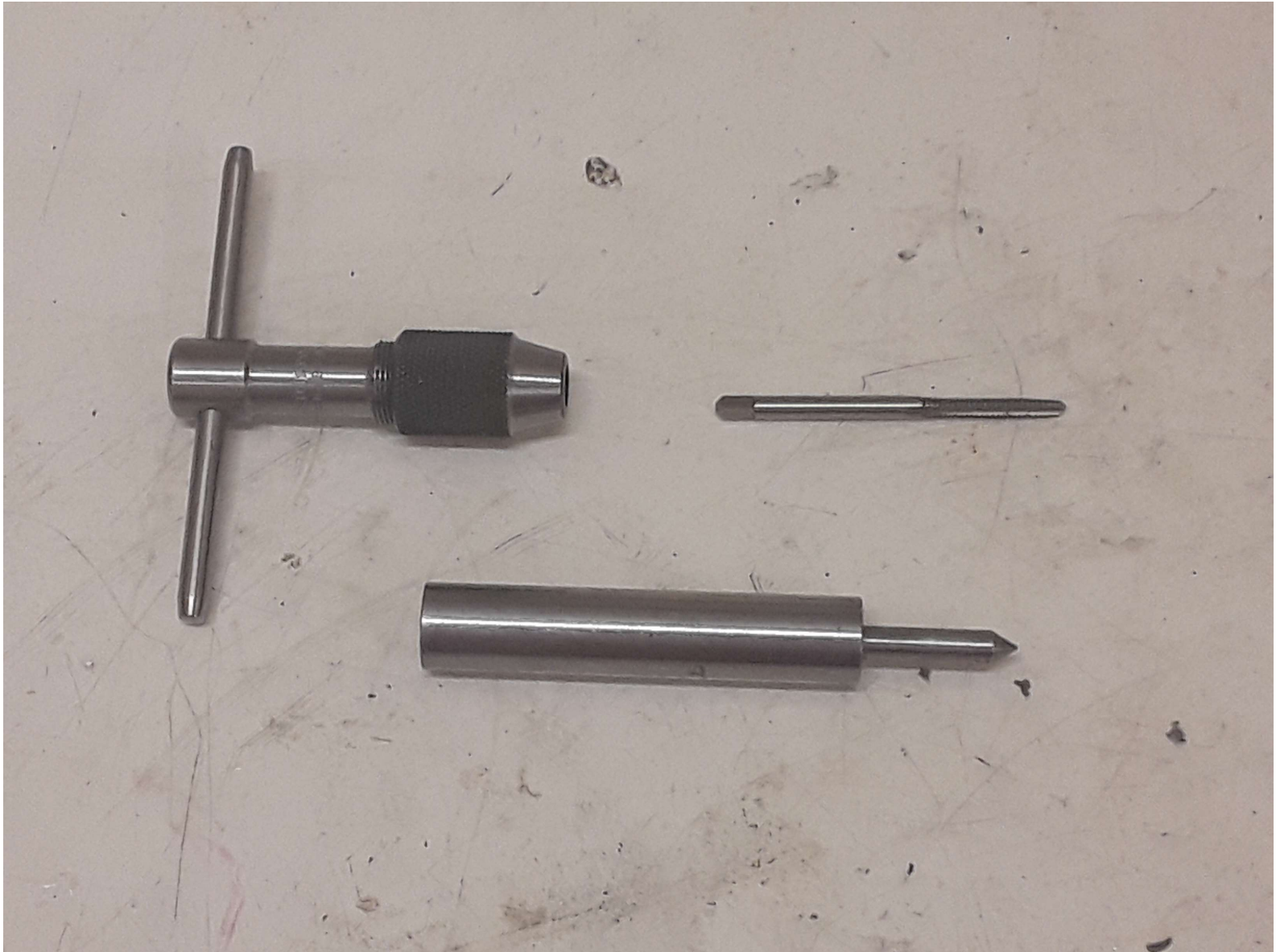




# Spindle Accessories

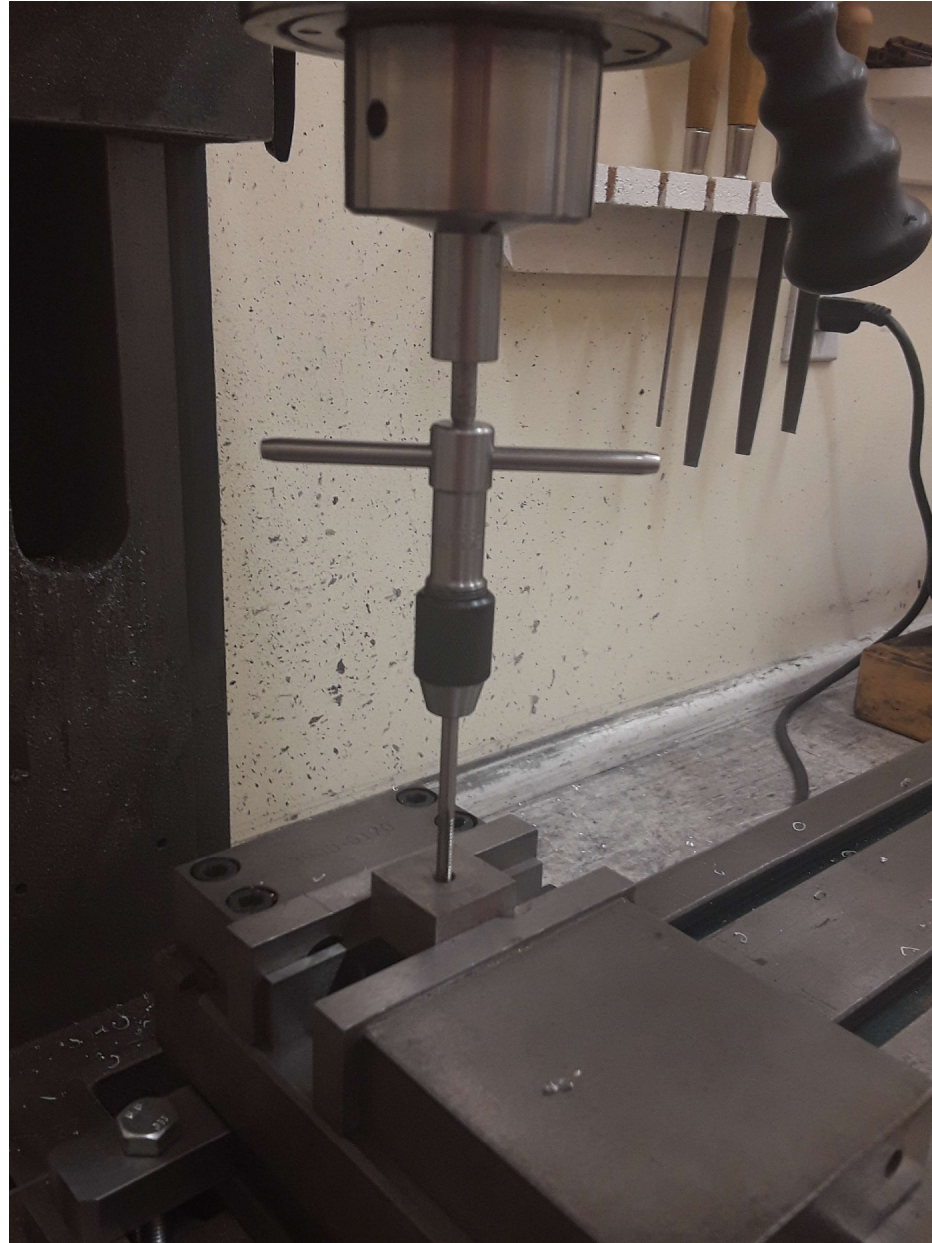


# Spindle Accessories



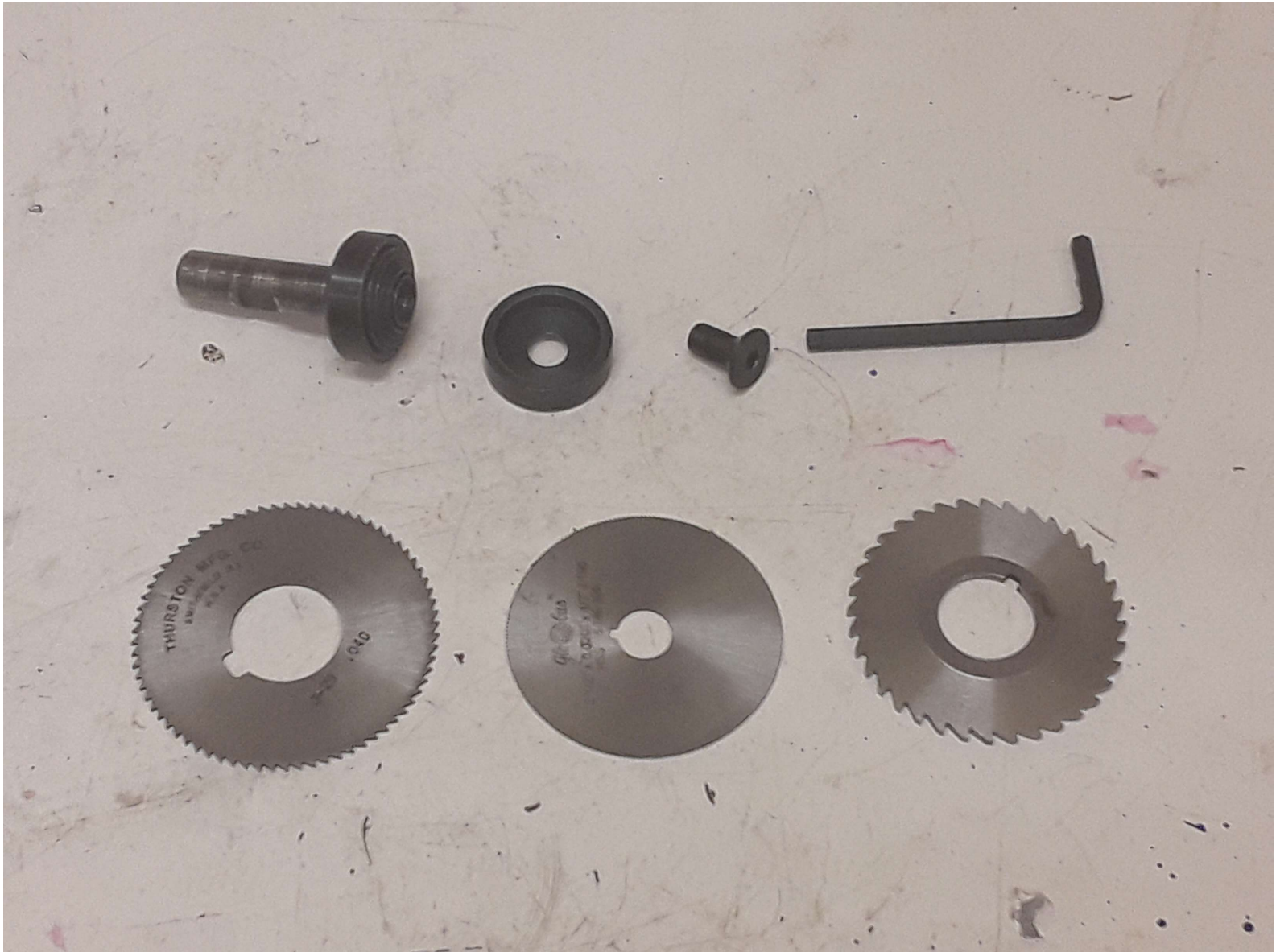


# Spindle Accessories





# Spindle Accessories

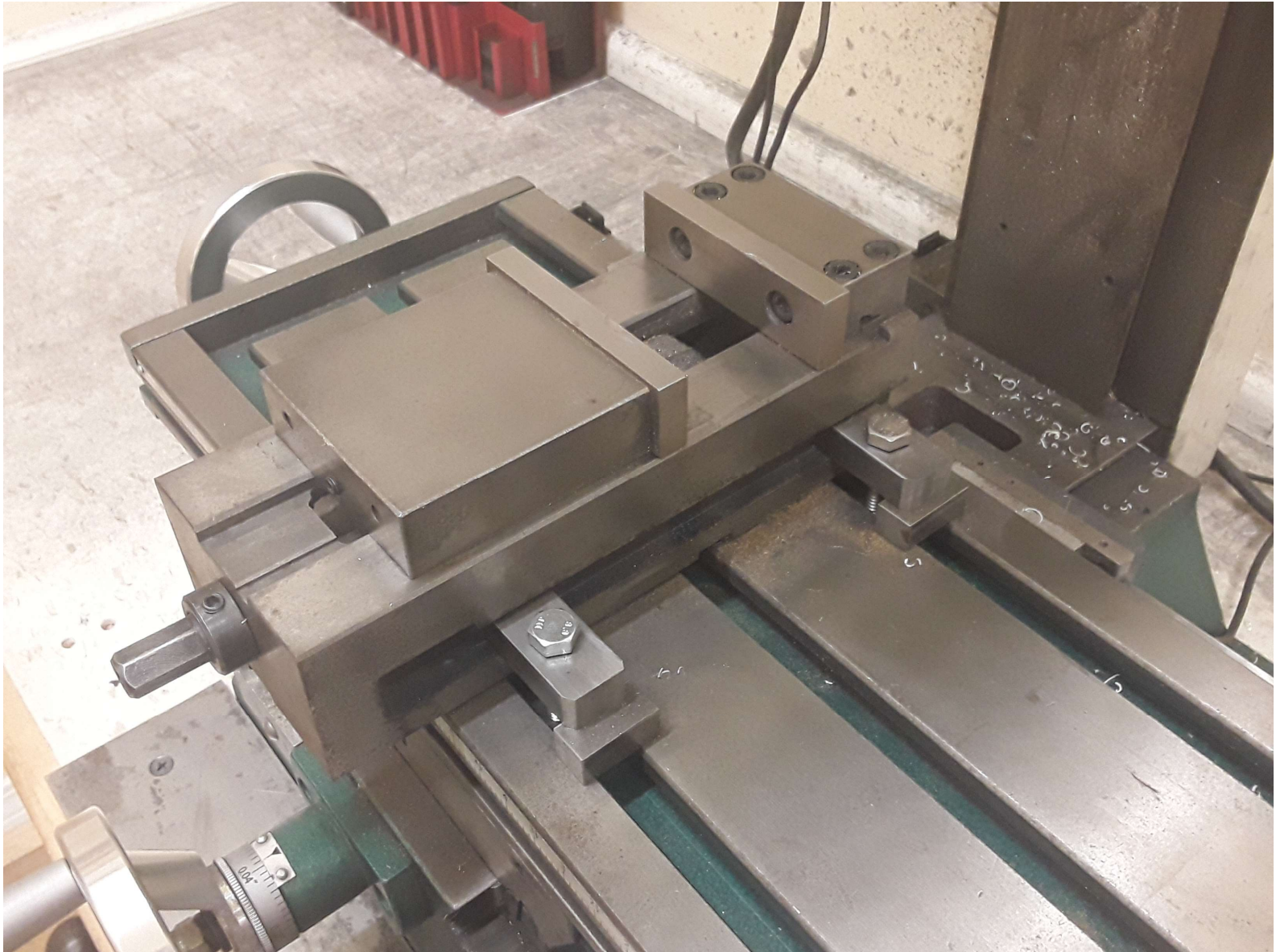


# Spindle Accessories





# Table Accessories





# Don't Do This



# Don't Do This

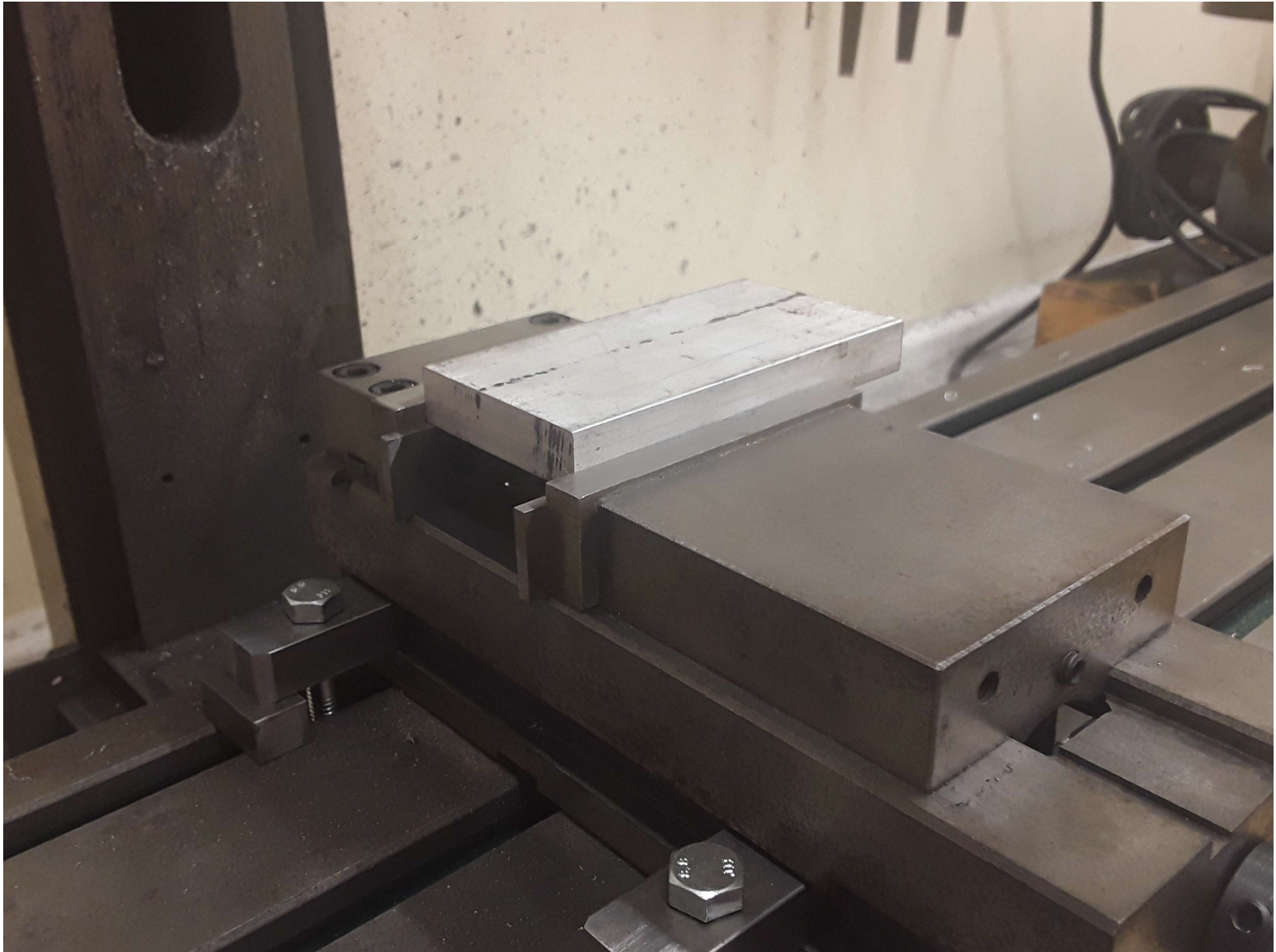


# Table Accessories





# Table Accessories

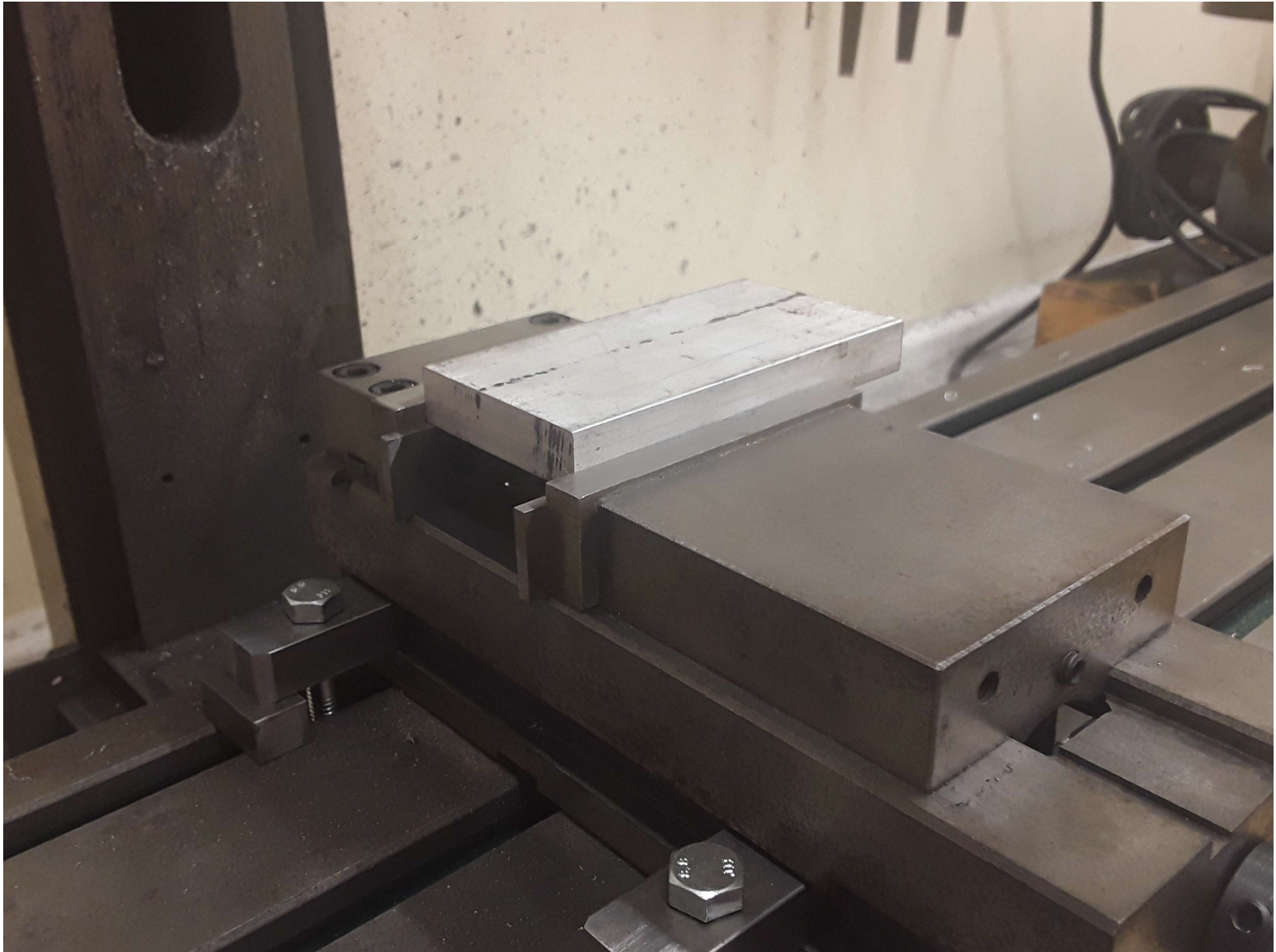


# Table Accessories



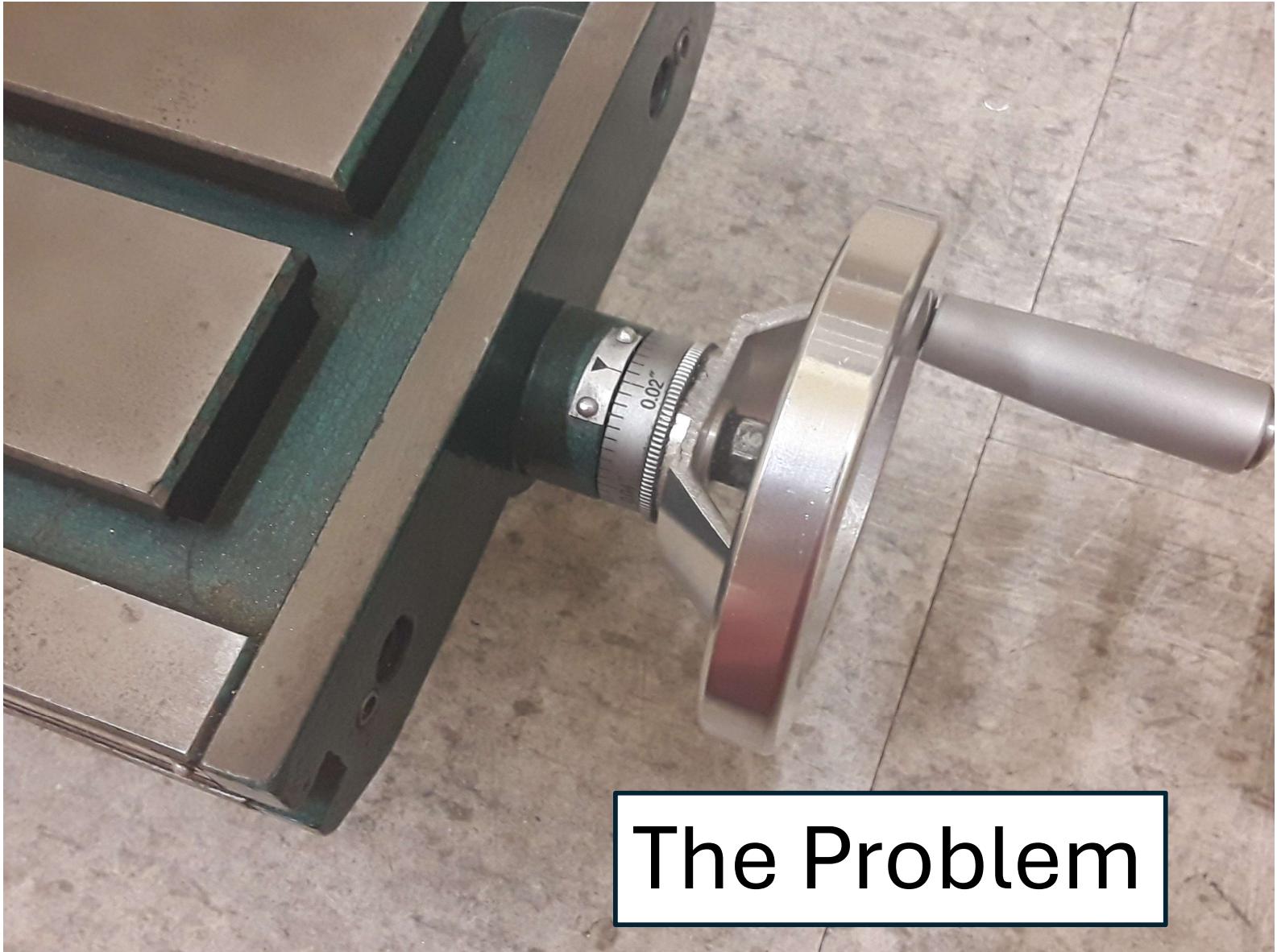


# Table Accessories

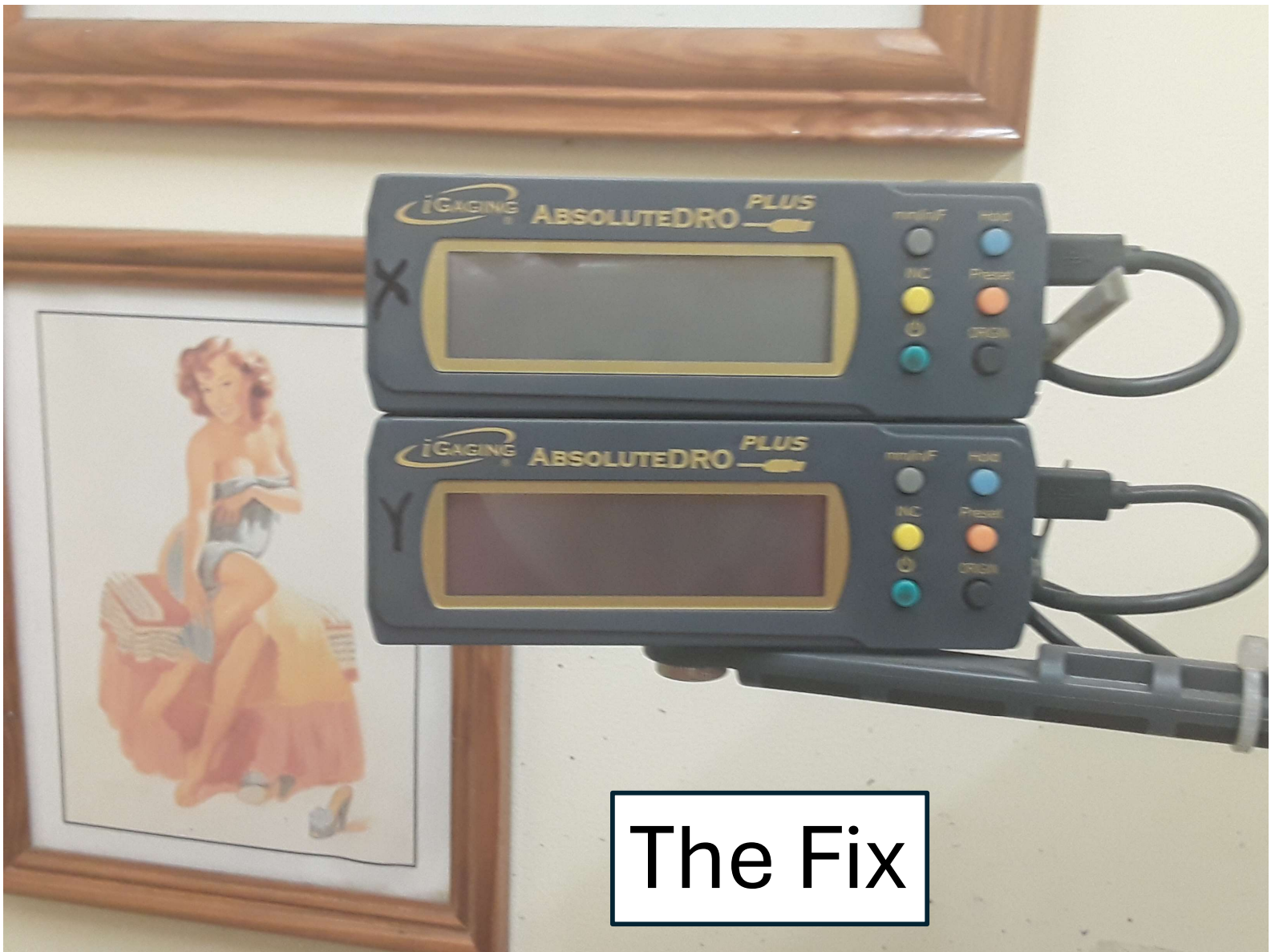




# Precision Measurement



# Precision Measurement



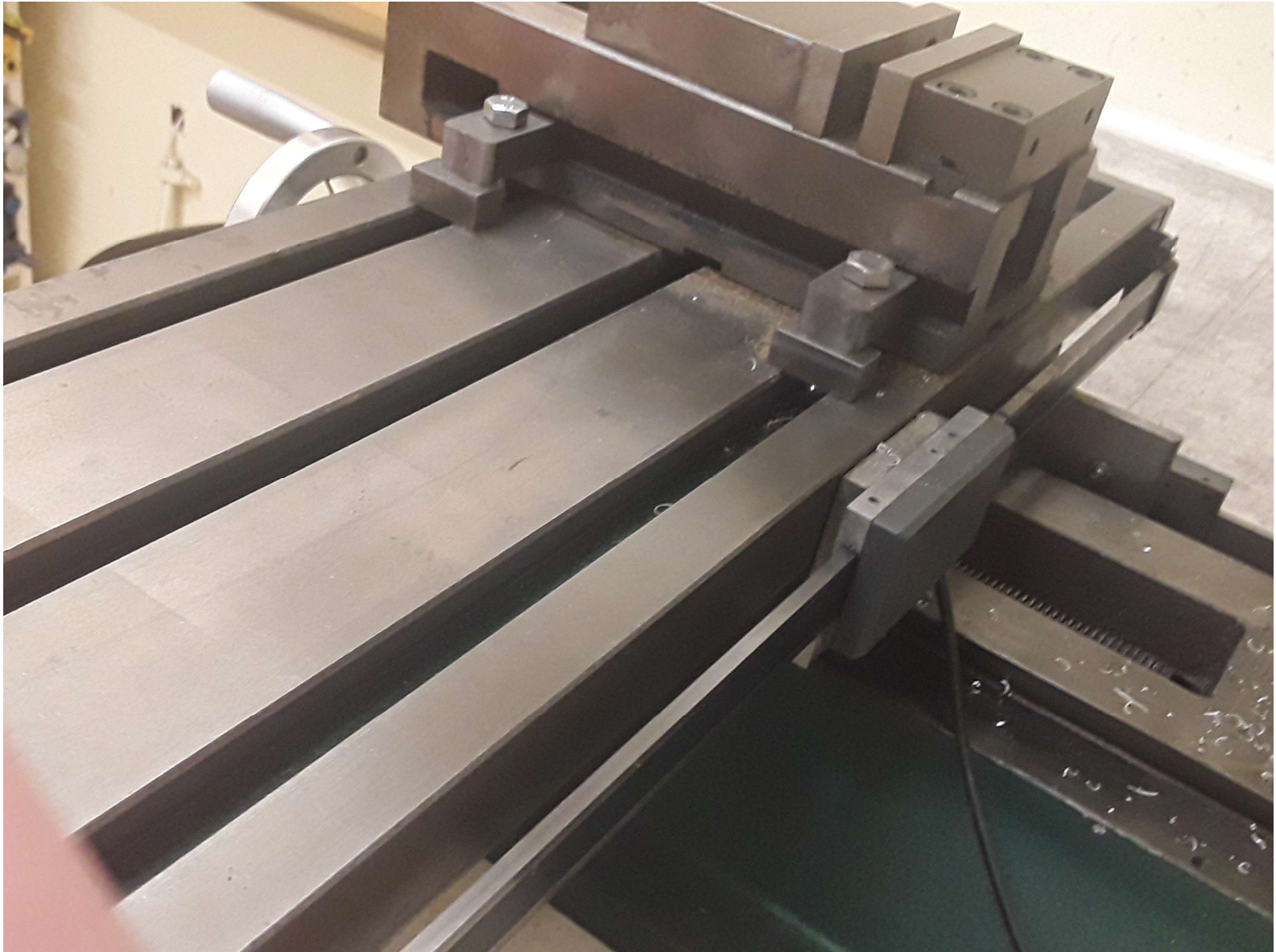
The Fix

# Precision Measurement





# Precision Measurement



# Precision Measurement





# Precision Measurement

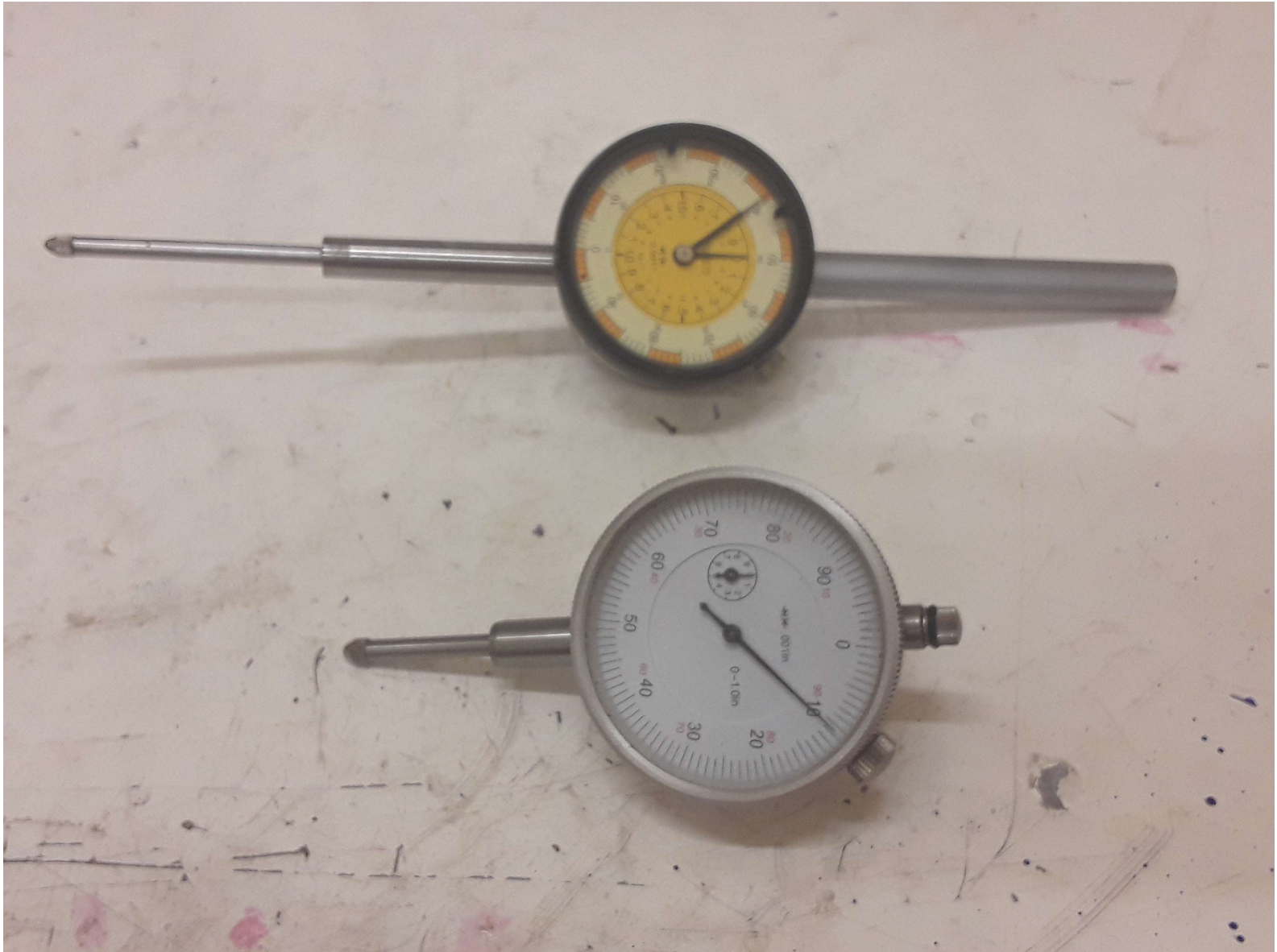




# Precision Measurement



# Old School Precision



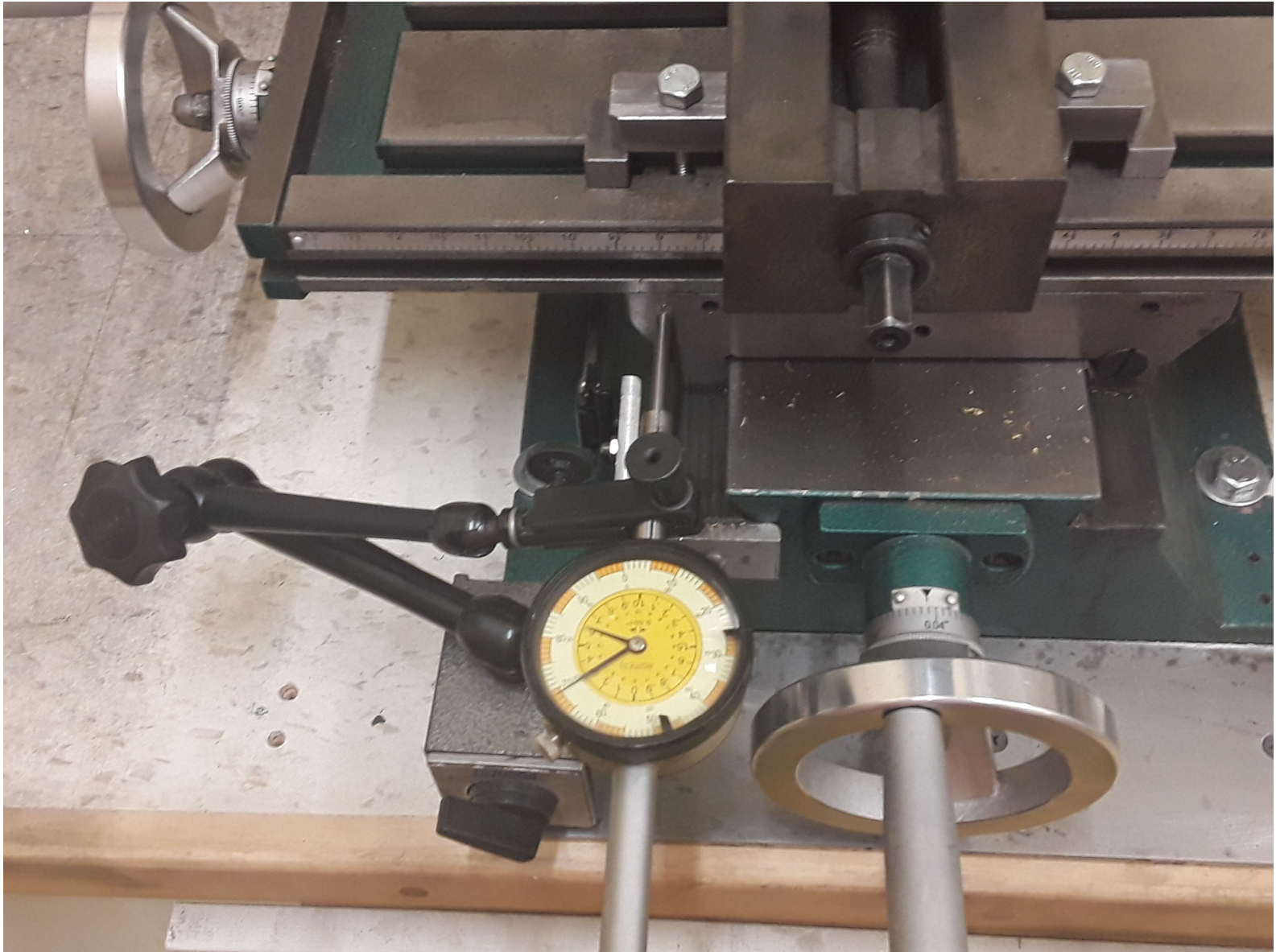


# Old School Precision

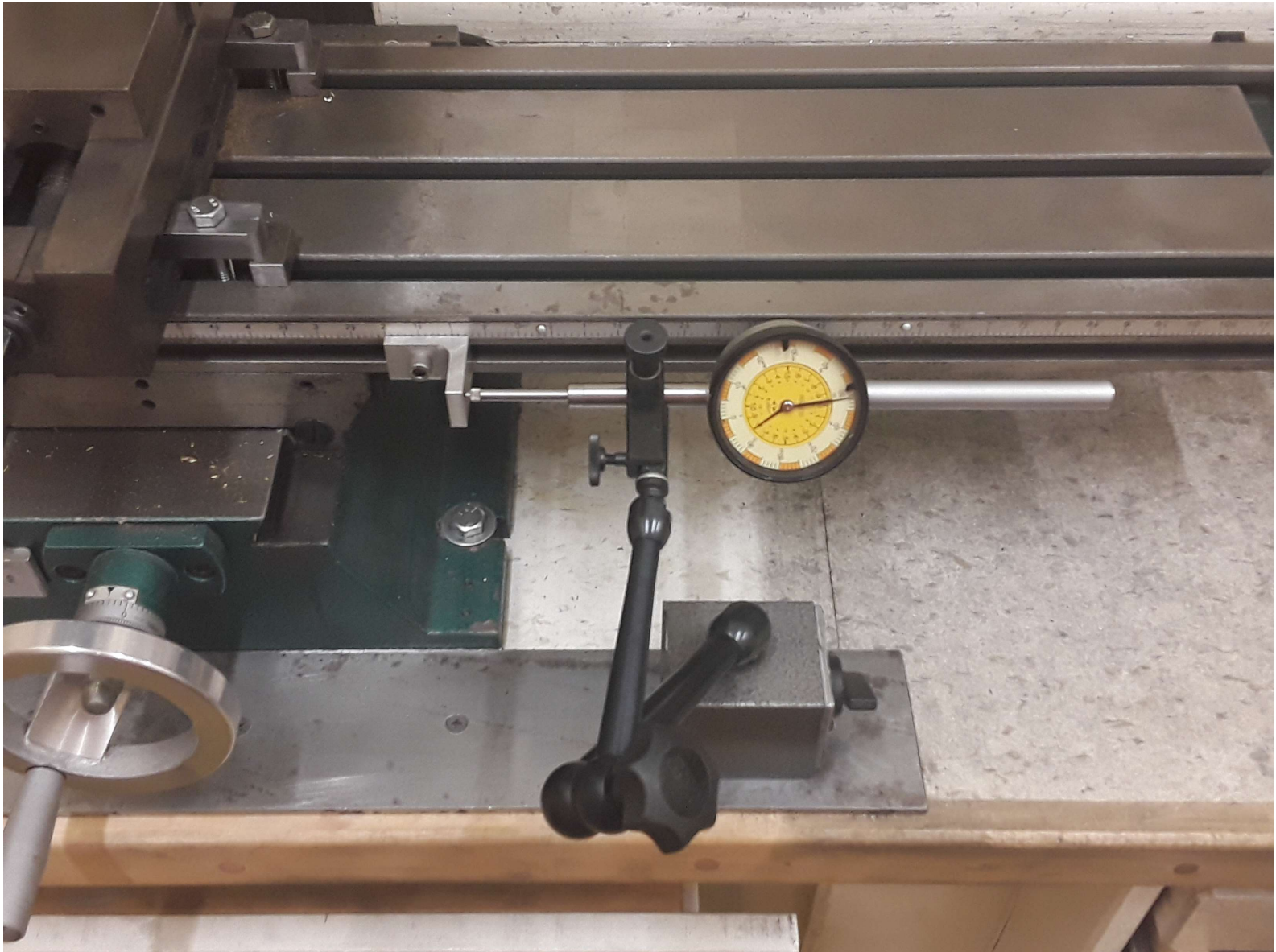




# Old School Precision

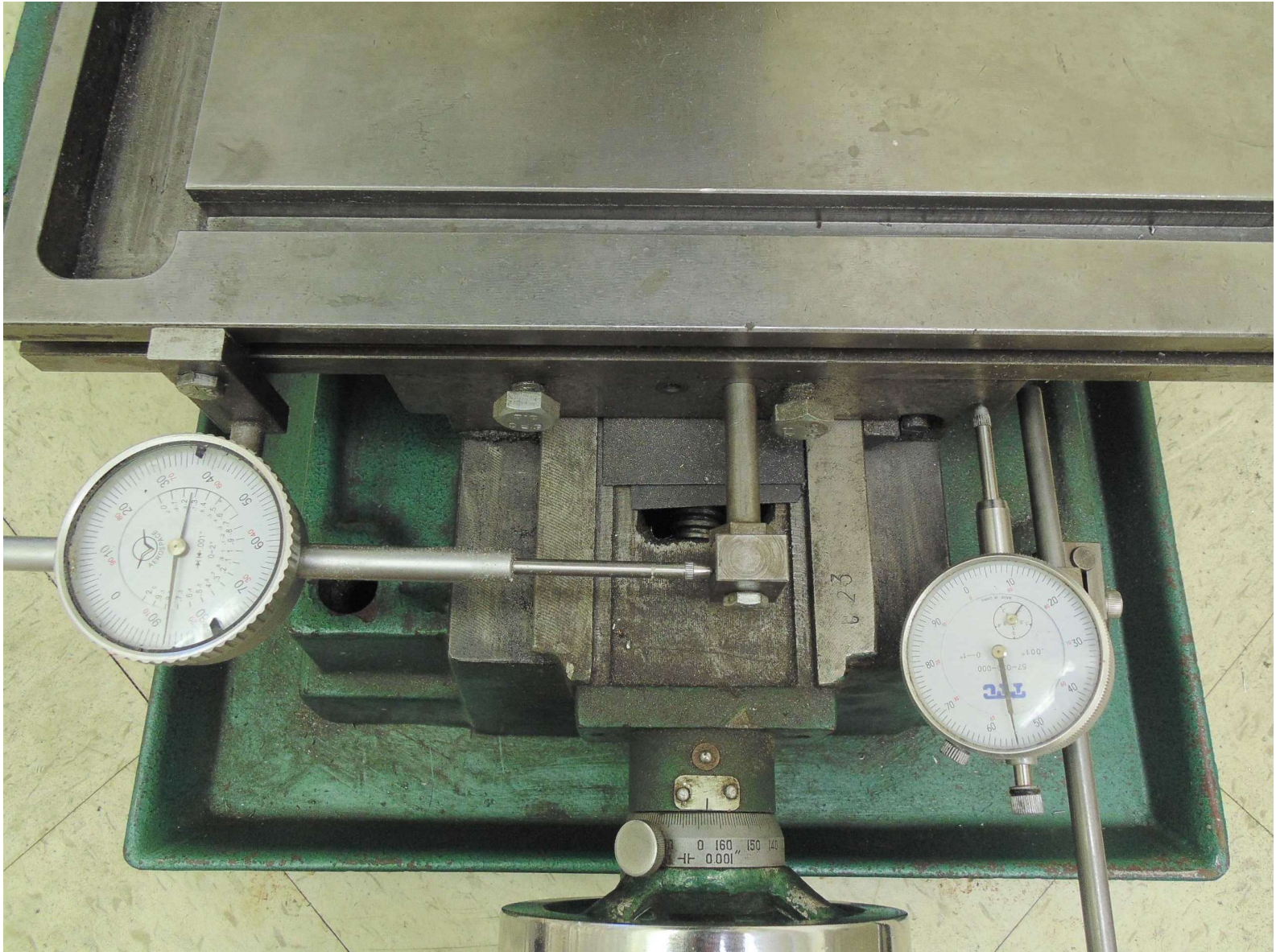


# Old School Precision





# Old School Precision





# Tram the Vise

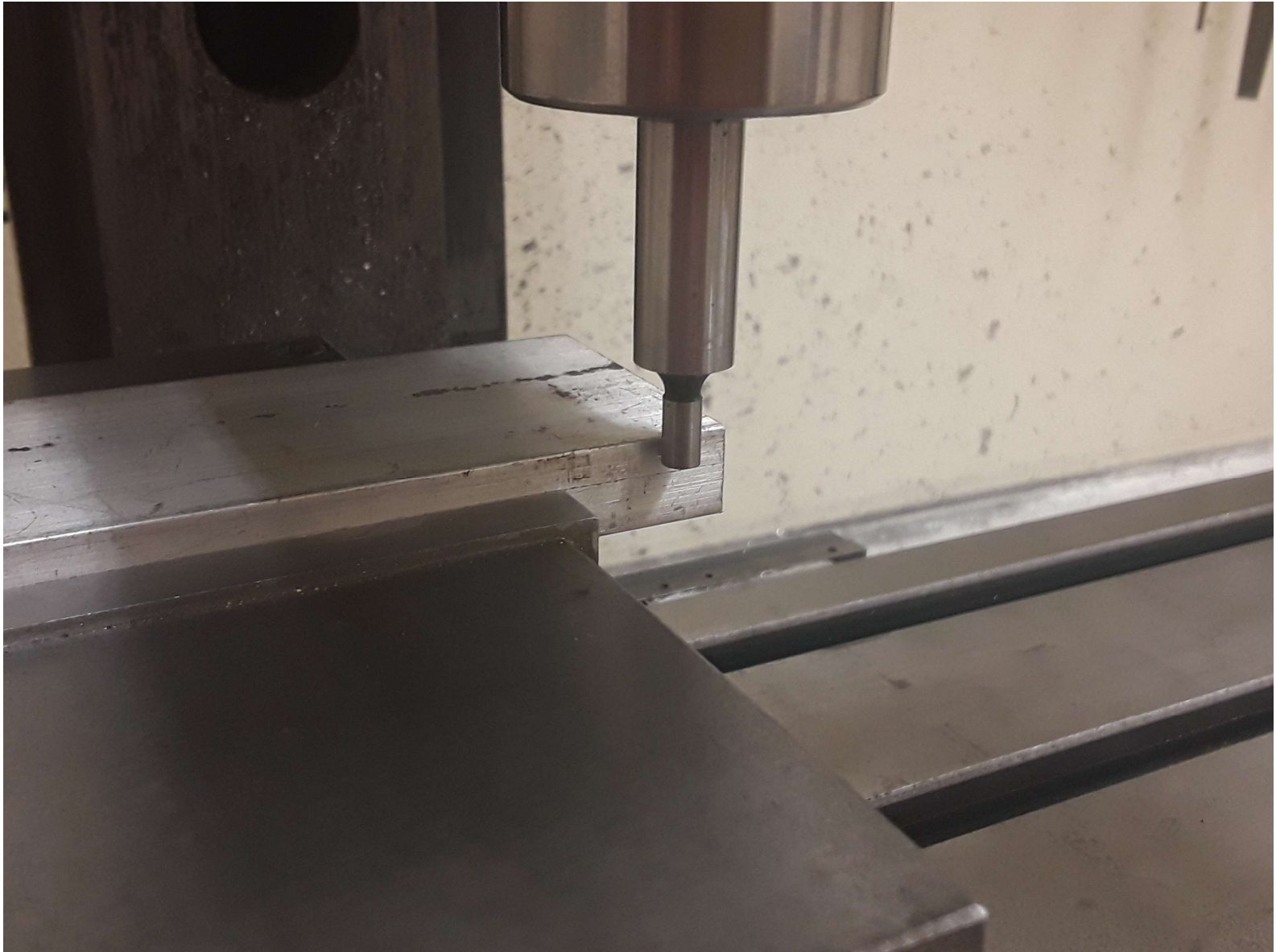


# The Edge Finder



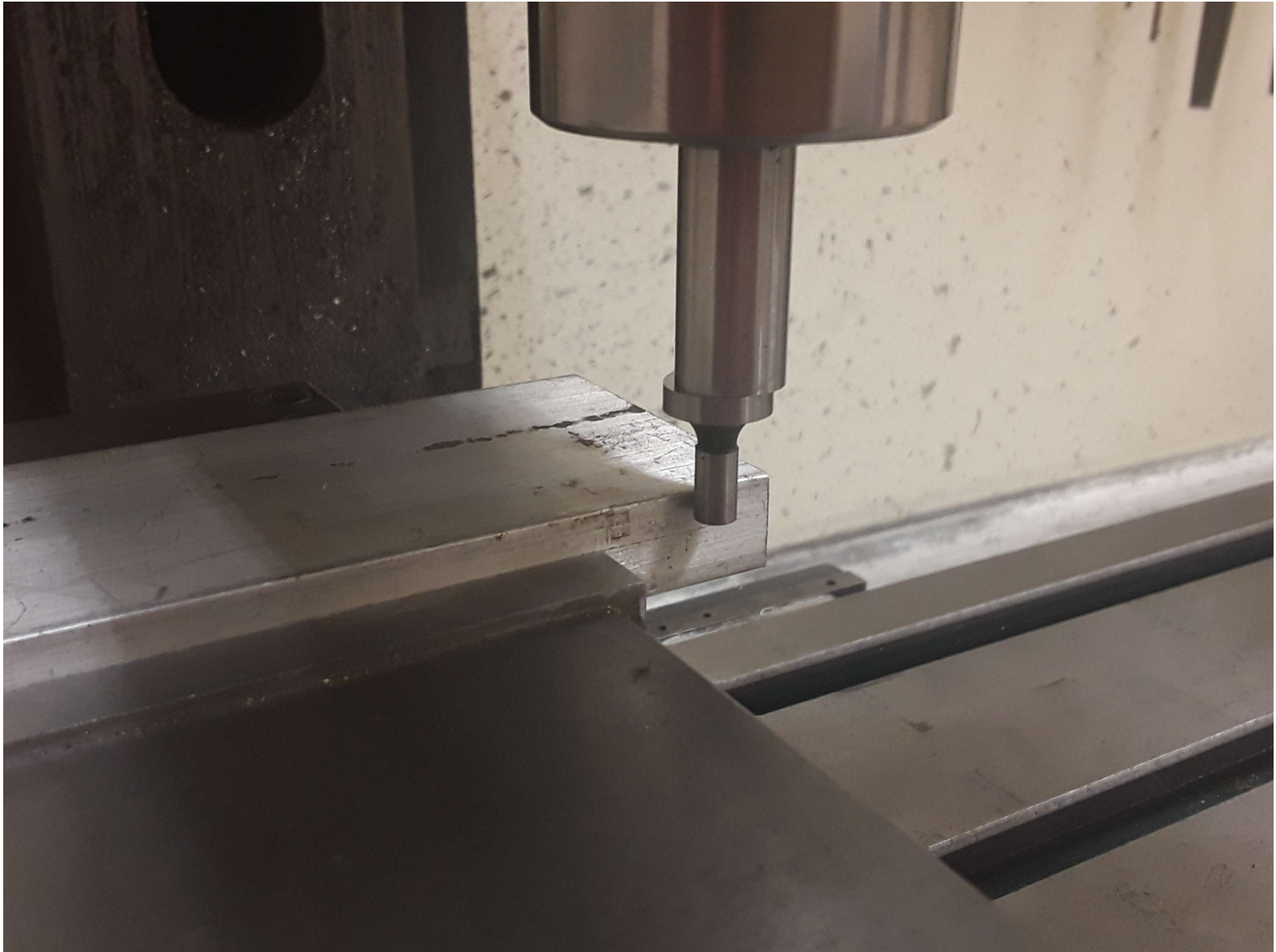


# The Edge Finder

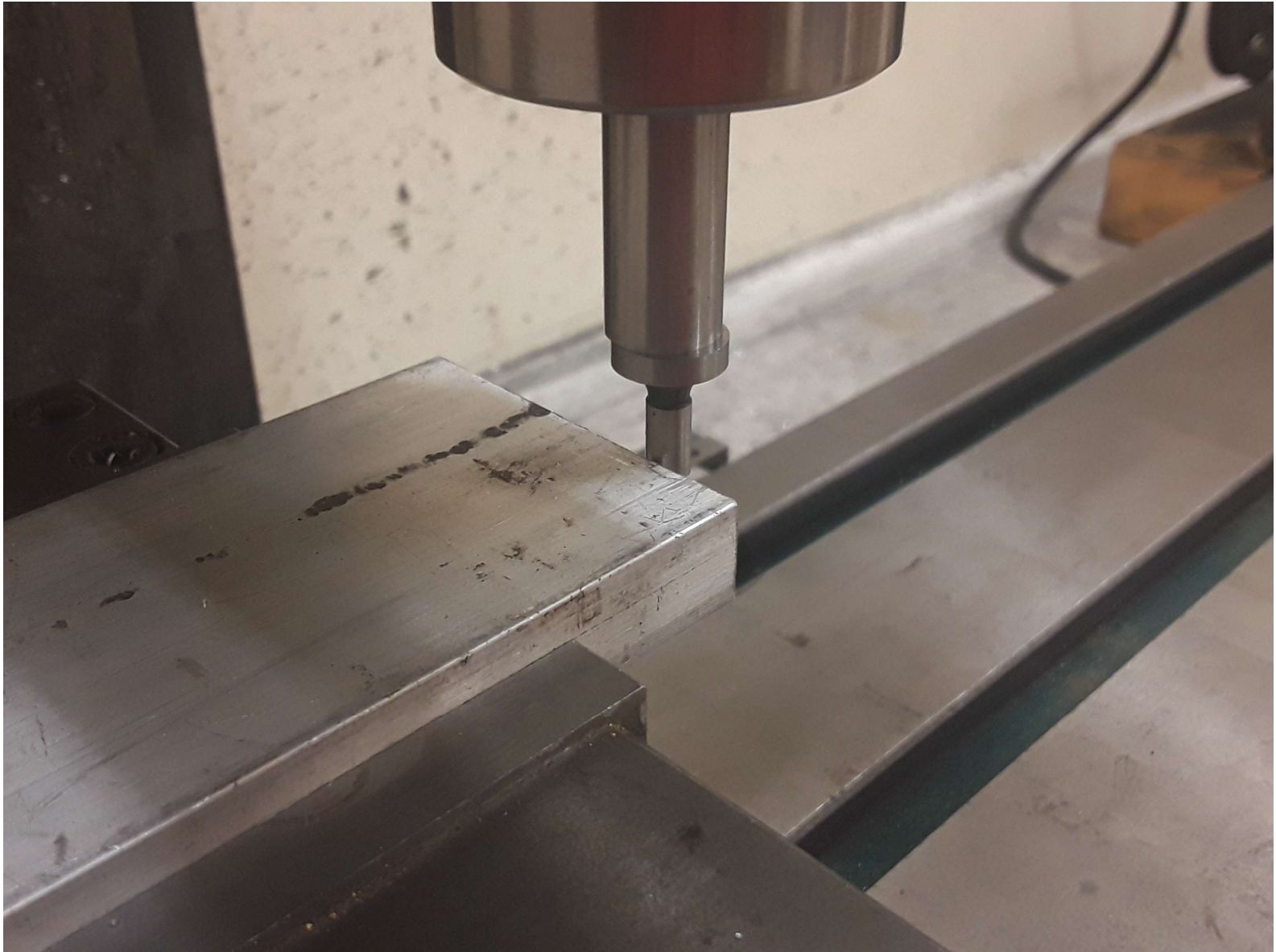




# The Edge Finder



# The Edge Finder



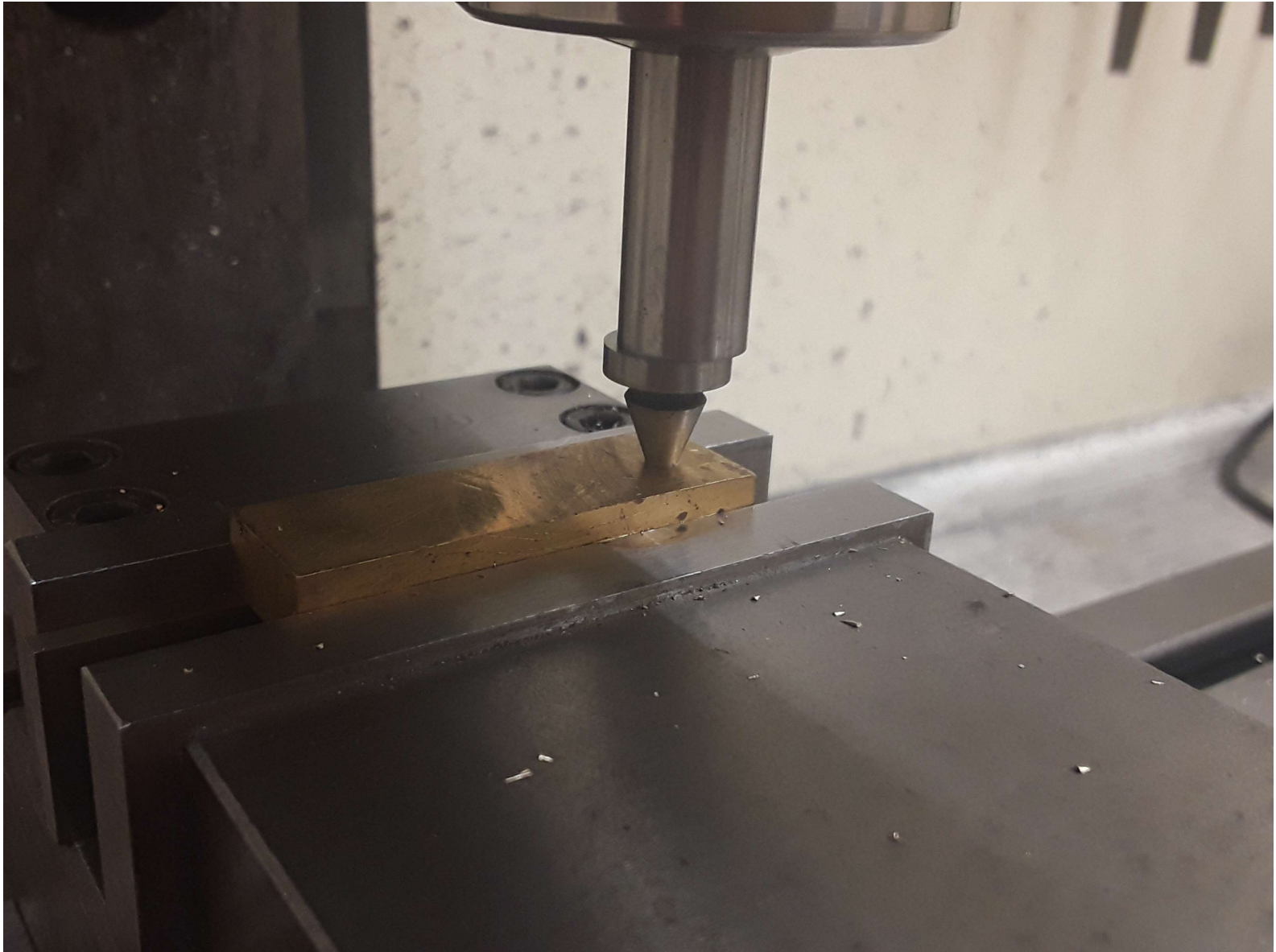


# The Edge Finder

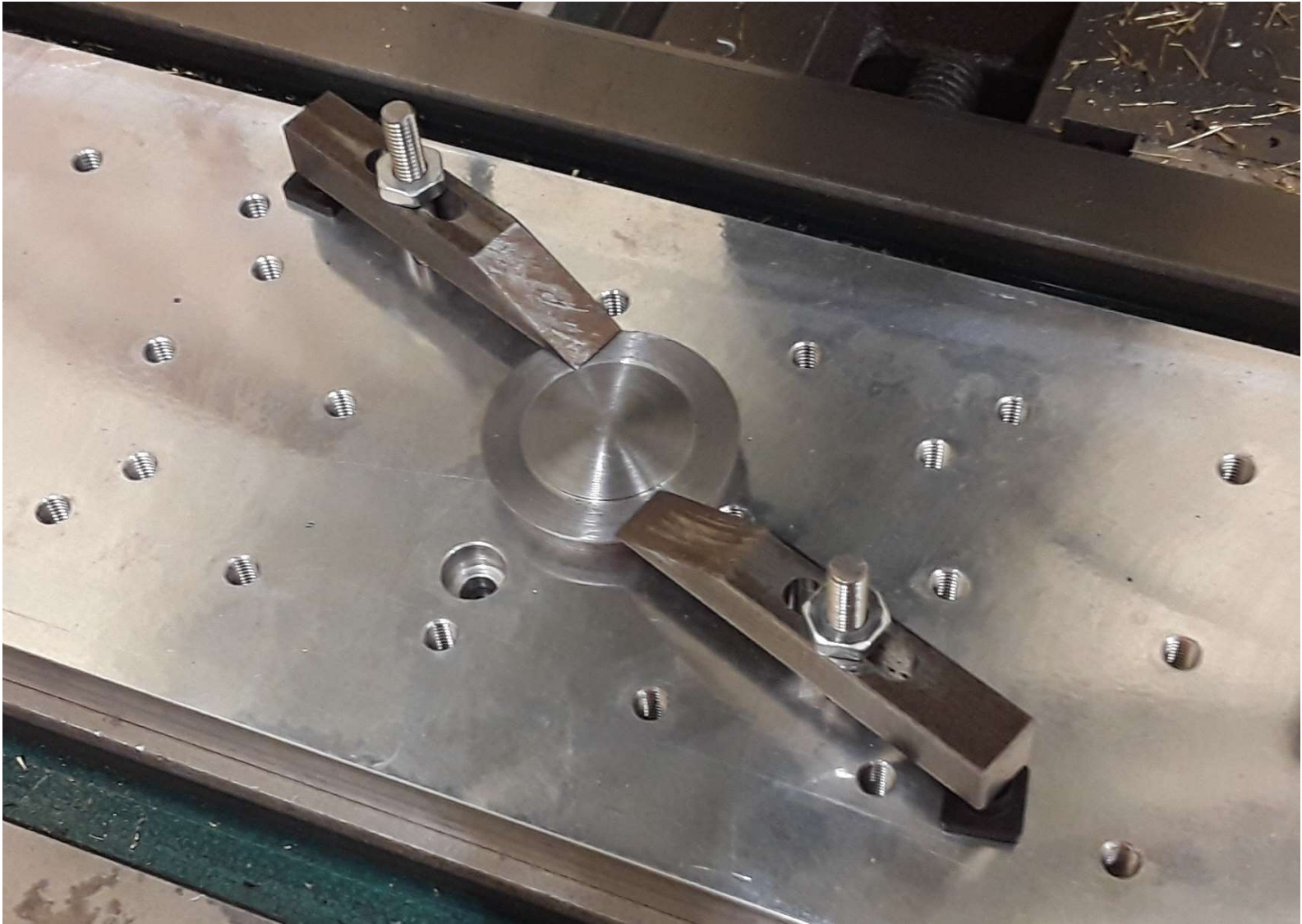




# The Edge Finder

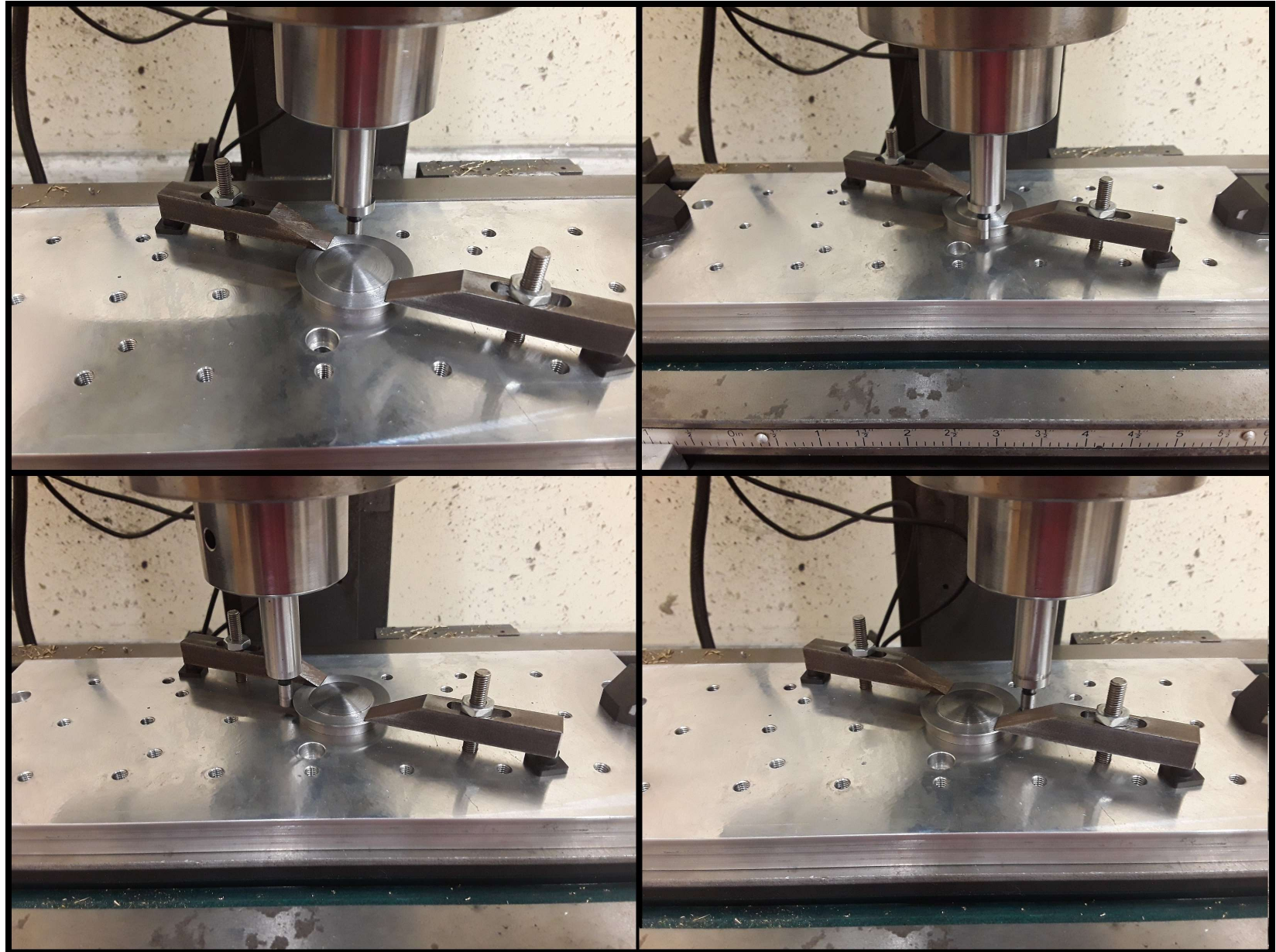


# The Edge Finder



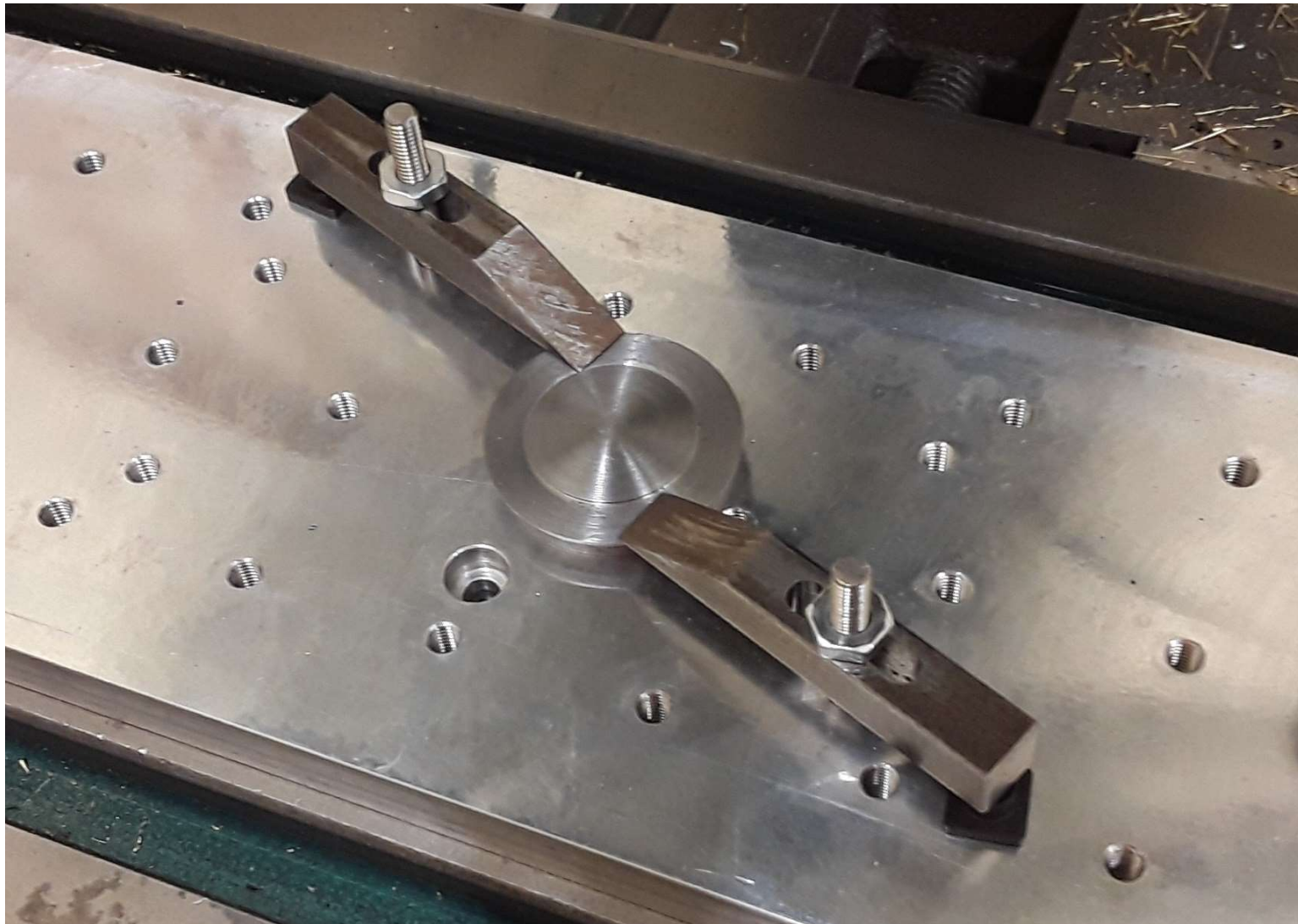


# The Edge Finder



# Advanced Tooling

## Tooling Plate





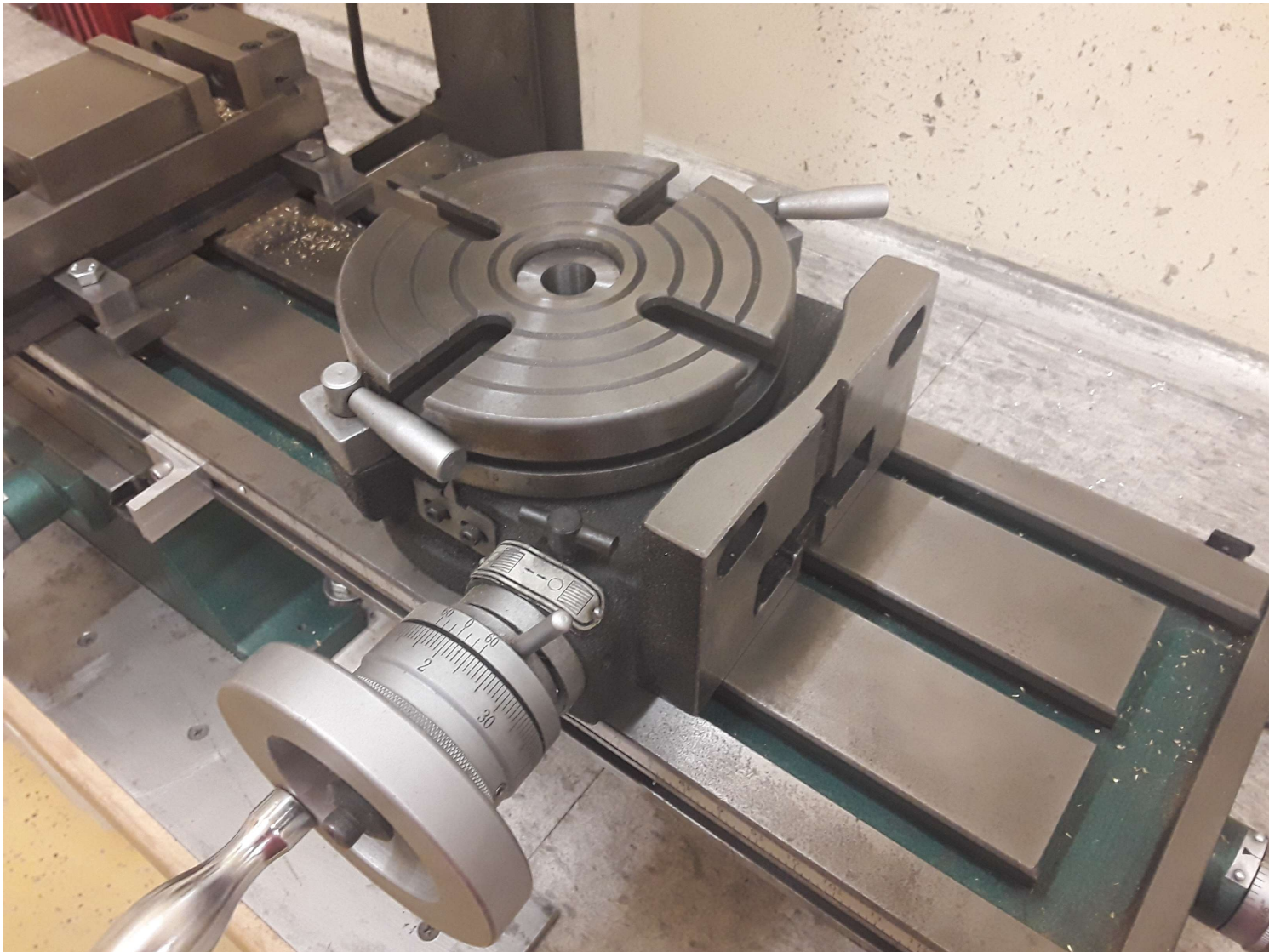
# Advanced Tooling

## Angle Plate



# Advanced Tooling

## Rotary Table





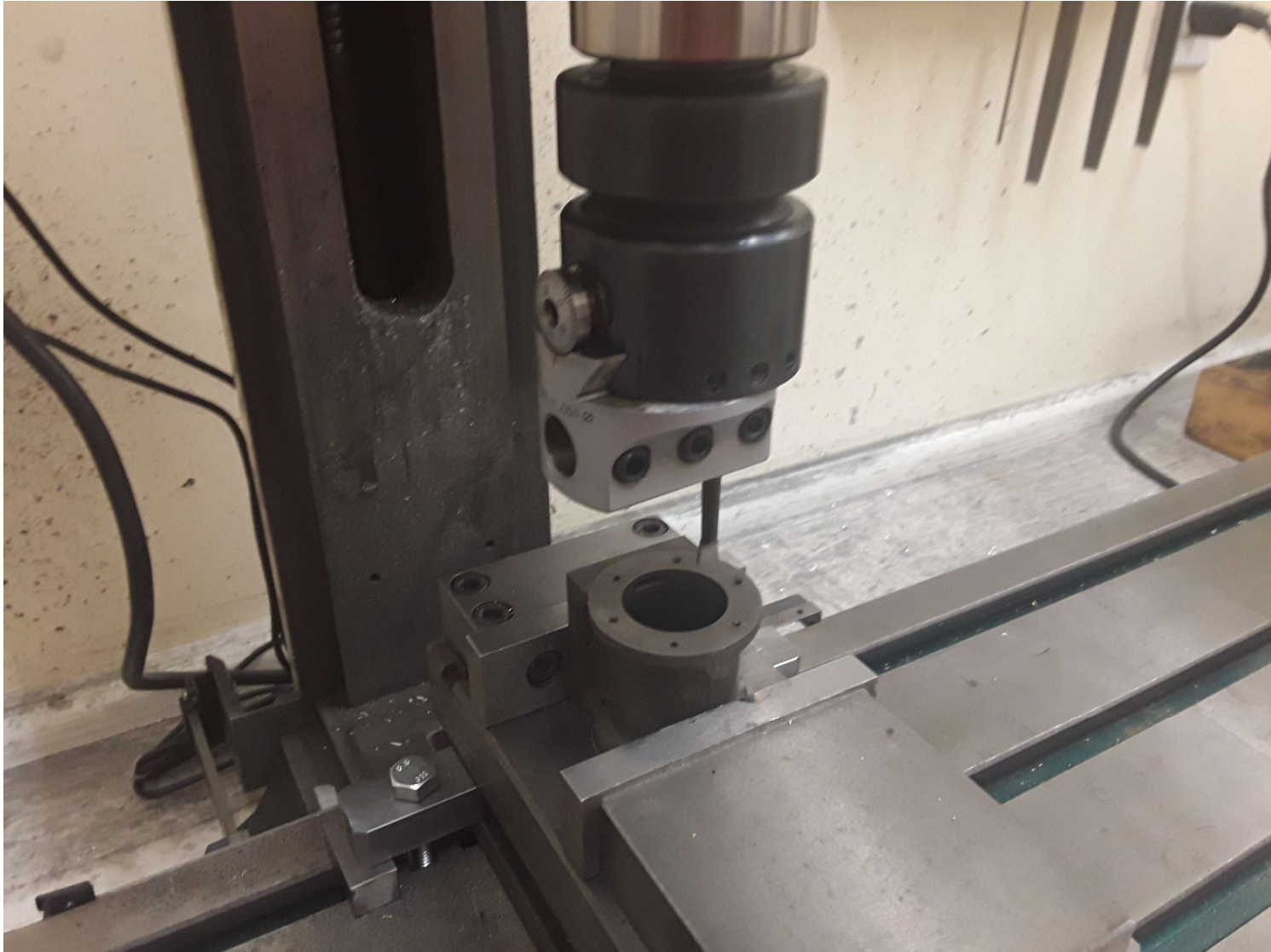
# Advanced Tooling

## Boring Head



# Advanced Tooling

## Boring Head





Questions??