

# MFG 205 : DRILL PRESS

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## Transcript title

Drill Press

## Credits

2

## Grade mode

Standard letter grades

## Contact hours total

60

## Lab hours

60

## Prerequisites

instructor approval.

## Recommended preparation

MFG 100.

## Description

Drill press operations training. Includes safety, machine nomenclature, measuring and sharpening drills, machine set-up, cutting tool selection, magnetic based drill, electric drill motor and radial arm drill operations.

## Learning outcomes

1. Student will offhand sharpen drills to cut holes within .005" of correct size.
2. Student will safely setup and operate the sensitive drill press to drill holes.
3. Student will differentiate between counter bore, counter sink, spot face and center drilling operations.
4. Student will safely setup and perform power-tapping operations to produce Class 2 internal threads.
5. Student will accurately measure internal threads for correct pitch diameter to within appropriate specifications.
6. Student will safely setup and operate the radial arm drill press to perform power-feeding operations.
7. Student will perform power-tapping operations to required specifications using the radial arm drill.