

MMAN1130 – Design and Manufacture

Lesson 4 – Computer-aided Manufacture - Lab Exercises

Please import and use the following tool library titled “MMAN1130 Tool Crib”. A guide on how to import tool cribs can be found on Moodle in the Week 4 CAM folder (General -> Files -> Class Materials -> CAD and CAM Labs -> Week 04). Further, some helpful tips and guidelines for approaching computer-aided manufacture (CAM) can be found in the Moodle document “Tips and Guidelines for Computer-aided Manufacture”.

Core Exercises

1. Download the file titled “Core Exercise 1”. Generate the necessary milling operations and toolpaths for manufacture. Ensure you simulate your CAM operations to avoid tool collisions and other issues.
2. Download the file titled “Core Exercise 2”. Generate the necessary milling operations and toolpaths for manufacture. Ensure you simulate your CAM operations to avoid tool collisions and other issues.
3. Download the file titled “Core Exercise 3”. Generate the necessary milling operations and toolpaths for manufacture. Ensure you simulate your CAM operations to avoid tool collisions and other issues.

Advanced Exercises

1. Download the file titled “Advanced Exercise 1”. Generate the necessary milling operations and toolpaths for manufacture. Ensure you simulate your CAM operations to avoid tool collisions and other issues.