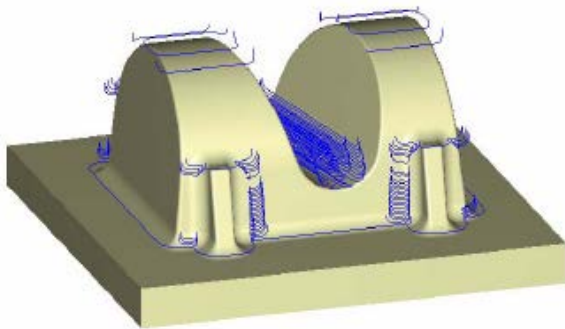


Contents at a Glance Mill 3D

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Surface Toolpath Overview ..... 3

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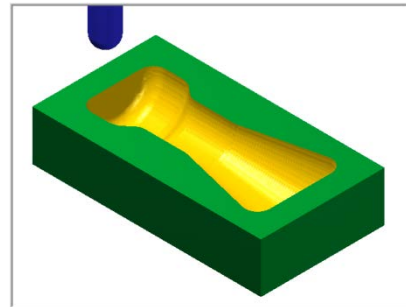
Lesson 9 ..... 27

CAD Instruction

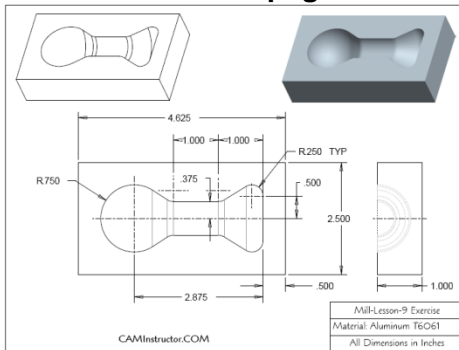
- 3D Wireframe & Surface instruction

CAM Toolpath instruction

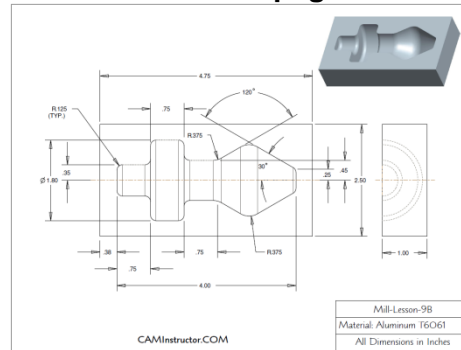
- Surface High Speed - Dynamic OptiRough
- Surface High Speed - Hybrid



Exercise 9A page 65



Exercise 9B page 66







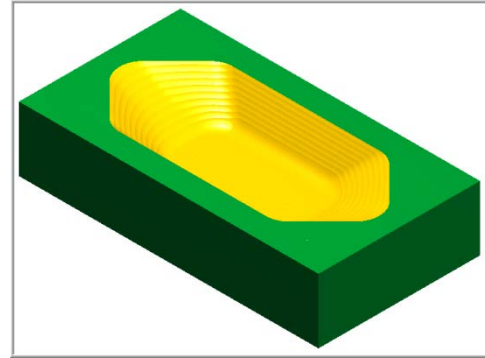
**Lesson 13 ..... 237**

CAD Instruction

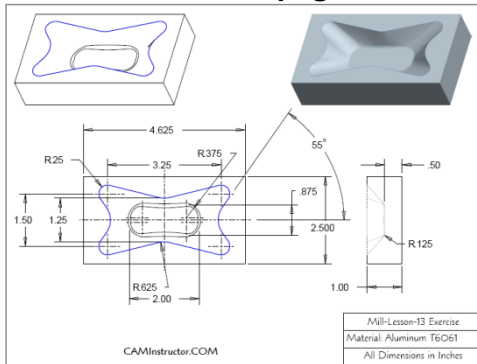
- 3D Wireframe & Surface instruction

CAM Toolpath instruction

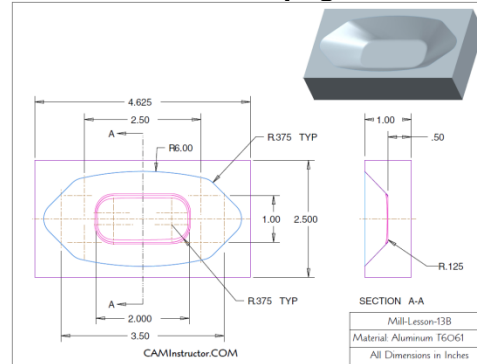
- Surface Rough Plunge
- Surface Finish Contour
- Surface Finish Shallow



**Exercise 13A page 272**



**Exercise 13B page 273**



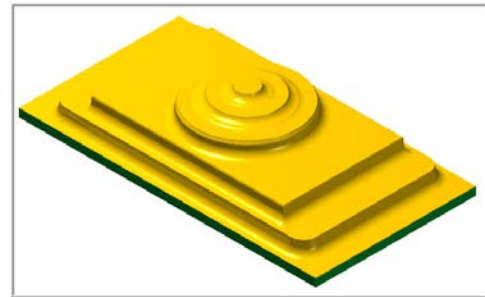
**Lesson 14 ..... 275**

CAD Instruction

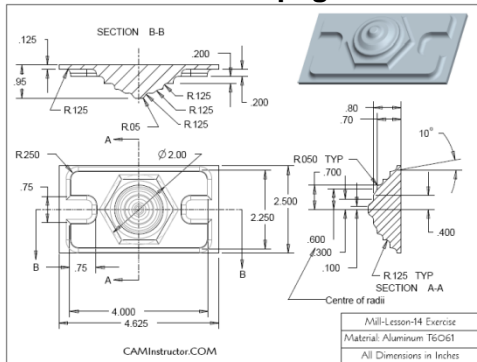
- Solid Model instruction

CAM Toolpath instruction

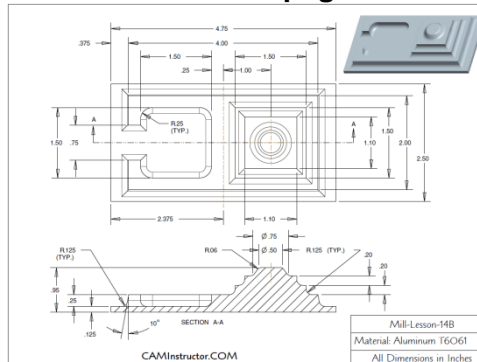
- Surface Rough Pocket
- Surface Finish Contour



**Exercise 14A page 327**



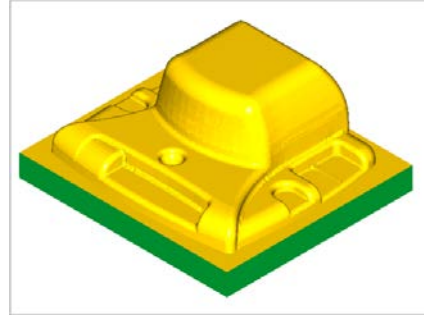
**Exercise 14B page 328**



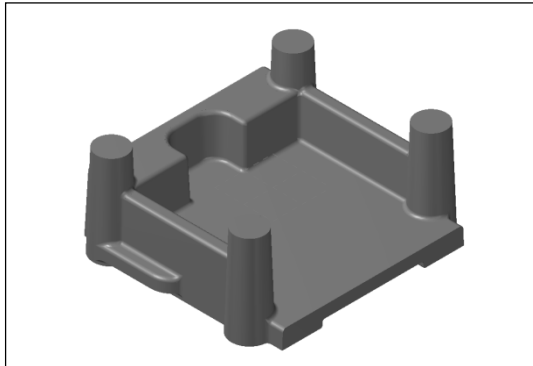
**Lesson 15 ..... 329**

CAM Toolpath instruction

- Surface High Speed – Dynamic Opti Rough
- Surface High Speed – Waterline
- Surface Finish Leftover



**Exercise 15A on DVD**



**Exercise 15B on DVD**

Mil-Lesson-15-Ex-C.MCX

1. Machine the mold core on a CNC vertical milling machine.
2. Rough out mold core using the High Speed Surface toolpaths (Core Roughing).
3. Finish profile surfaces using the High Speed Surface toolpath (Waterline).
4. Then finish all remaining stock using Surface Finish Leftover.
5. Use the MCX file provided to generate the toolpaths.

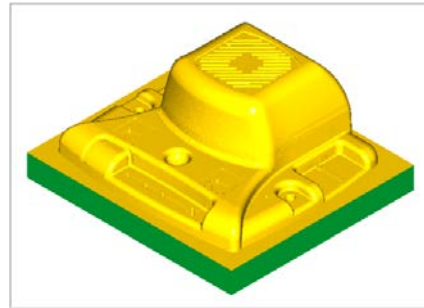
CAMInstructor.COM

Mil-Lesson-15C
Material: Aluminum T6061
All Dimensions in Inches

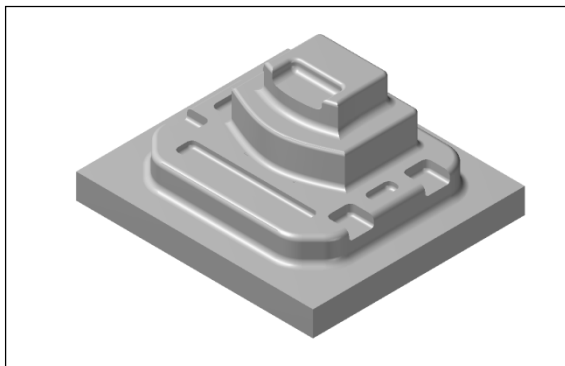
**Lesson 16 ..... 367**

CAM Toolpath instruction

- Surface High Speed Rest Roughing
- High Feed Functionality
- Surface High Speed Horizontal
- Surface Finish Leftover



**Exercise 16A on DVD**



**Exercise 16B on DVD**

Mil-Lesson-16-Ex-C.MCX

1. Machine the mold core on a CNC vertical milling machine.
2. Rough out mold core using the High Speed Surface toolpaths (Core Roughing & Rest Roughing).
3. Finish profile surfaces using the High Speed Surface toolpaths (Horizontal, Waterline, and Leftover).
4. Use the MCX file provided to generate the toolpaths.

CAMInstructor.COM

Mil-Lesson-16C
Material: Aluminum T6061
All Dimensions in Inches

## ***Mill 3D***

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