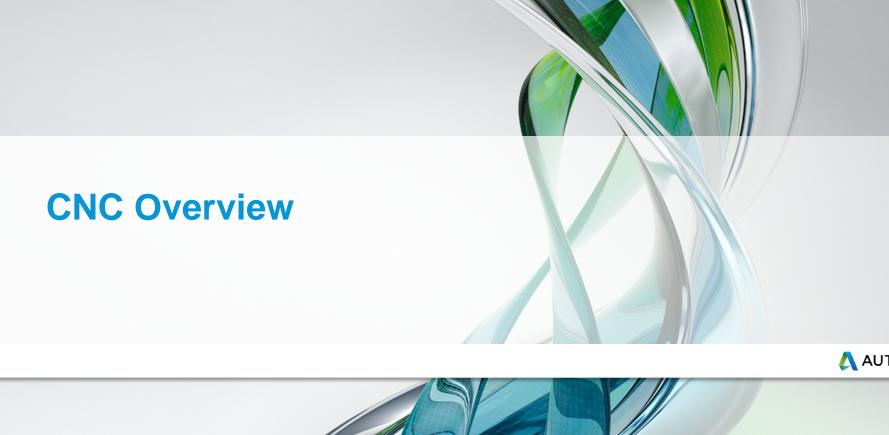


Pier 9 CNC Workshop Lead























#### **CAM Software for Haas CNC Mill**

- cam.autodesk.com
  - Inventor HSM Pro 2015
    - Download trial version & use codes to activate
    - Inventor Professional
  - Fusion 360 CAM
    - Cloud-based CAD/CAM software
  - Both great for beginners

#### **CAM Software for Haas CNC Mill**

# Delcam

- FeatureCAM
  - Powerful and widely used
- ArtCAM
  - Engraving, signage, and coin making
  - Recent AiR <u>Moon Carvings</u>
- Download trials and see <u>Tool Library Instructable</u> for network license information.

#### **CAM Software for Haas CNC Mill**

- Post-Processors
  - Copy from network drive Folder 'CNC Data'

#### How to Learn the Haas CNC Mill

- Step 1
  - Complete steps 1 12 in <u>Learn CNC The Hard Way</u> <u>Instructable</u>
  - Schedule time with Dan or Joey to review tool paths
- Step 2
  - Take Haas CNC mill
  - http://vimeo.com/channels/shoptraining
- Step 3





#### **CAM Software for Haas CNC Lathe**

- cam.autodesk.com
  - HSM Works inside SolidWorks
    - CNC Laptops
- Delcam
  - FeatureCAM

#### How to Learn the Haas CNC Lathe

- Step 1
  - NextGenCAM.com
    - HSM Works Turning
- Step 2
  - Take Haas CNC lathe course
- Step 3
  - Cut example part





#### **CAM Software for DMS Router**

- cam.autodesk.com
  - Inventor HSM Pro 2015
    - Download trial version & use codes to activate
    - Inventor Professional
  - Fusion 360 CAM
    - Cloud-based CAD/CAM software
  - Both great for beginners

#### **CAM Software for DMS Router**

# Delcam

- FeatureCAM
  - Powerful and widely used
- ArtCAM
  - Engraving, signage, and coin making
  - Recent AiR <u>Moon Carvings</u>
- Download trials and see <u>Tool Library Instructable</u> for network license information.

#### How to Learn the DMS Router

- Step 1
  - NextGenCAM.com
    - 3D tool paths
- Step 2
  - Take ShopBot class
- Step 3
  - Cut example part







### How To Use It (Benefit)...

- Be prepared
  - Watch videos
  - Take notes
  - Take the class
  - Generate tool paths at your desk
  - Handout for CNC (requirement)
- Report broken tools Dan, Joey, or Martin



## How To Use It (Benefit)...

- Distractions while CNC machining
  - What does that look like?
- Machine rapid speeds
  - 5% rapid at all times
- Get a lot of rest
- Enjoy the process & take your time



# Review













Autodesk is a registered trademark of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product and services offerings, and specifications and pricing at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.