MFG12190 Automating CNC Programming with Inventor HSM

Nick Narzinski

Solution Specialist - CAM

D3 Technologies

Class summary

- In this Intermediate Inventor HSM class we will walk through the process of Automating the programming process in Inventor HSM using templates as well as programing complex mill/turn and 5 axis (3+2 axis) components.

Key learning objectives

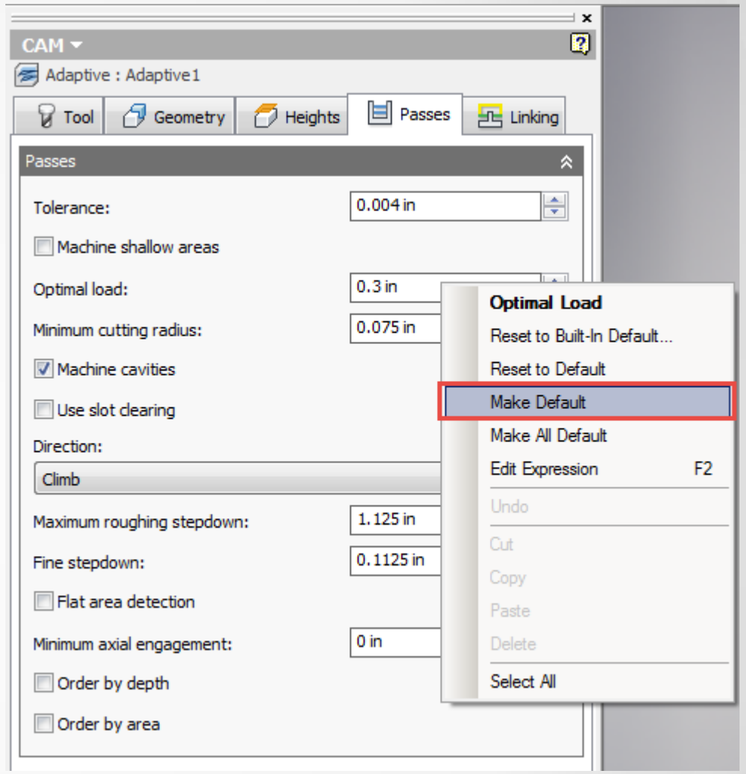
At the end of this class, you will be able to:

- Learn how to set defaults in Inventor HSM
- Learn how to use Templates in Inventor HSM
- Learn how to program mill/turn machines
- Learn about 5-axis (3+2 axis) programming

Learn how to set defaults in Inventor HSM

Defaults

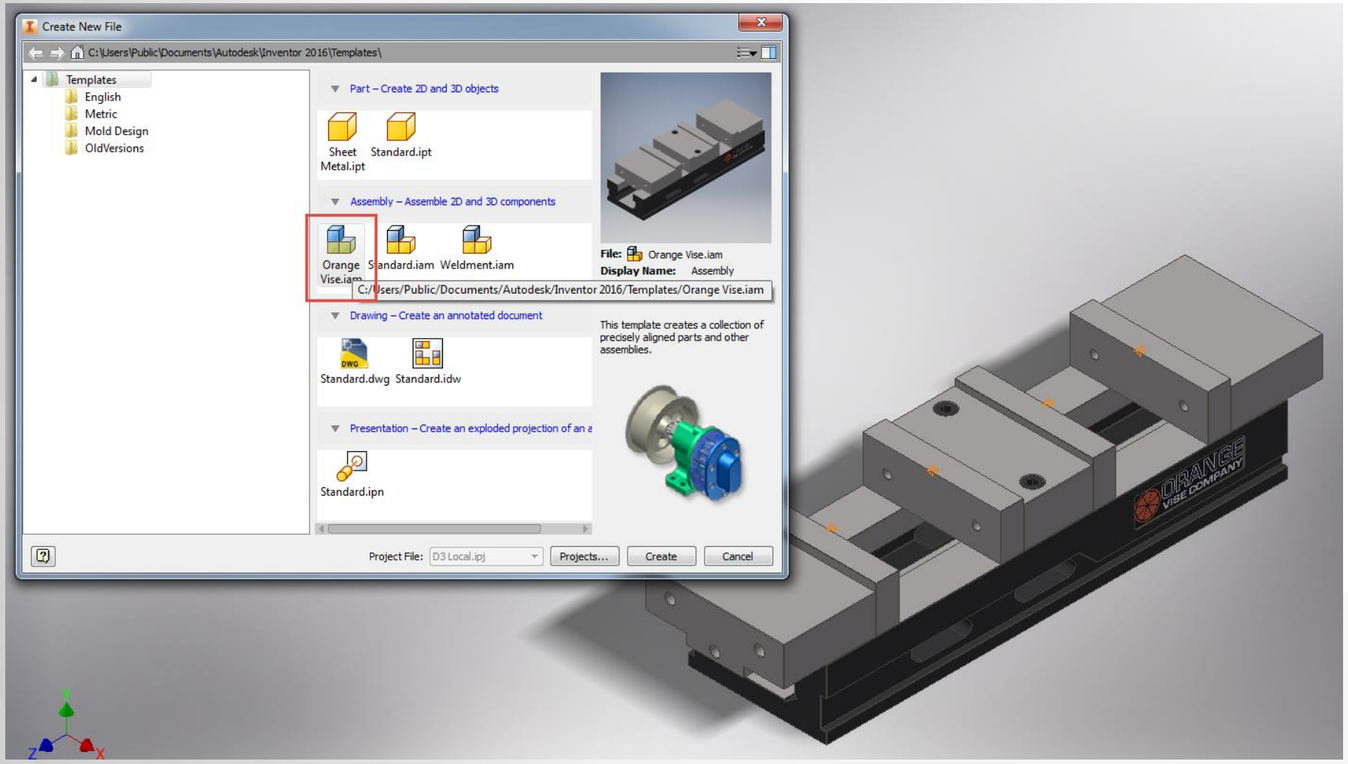
- Text box defaults
- Compare and Edit defaults
- Machining Times
- CAM Options
- Ribbon Appearance
- Active Lighting Style

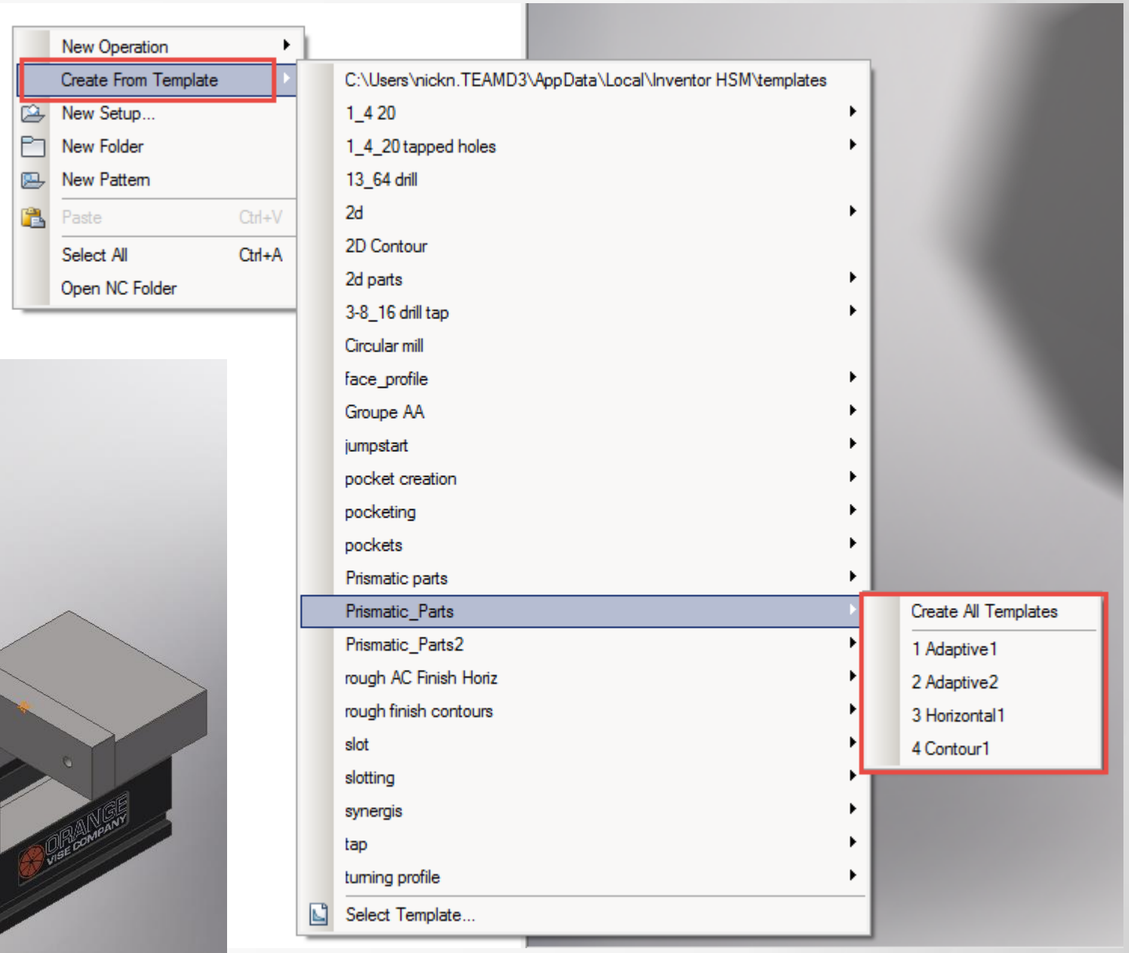


Learn how to use Templates in Inventor HSM

Templates

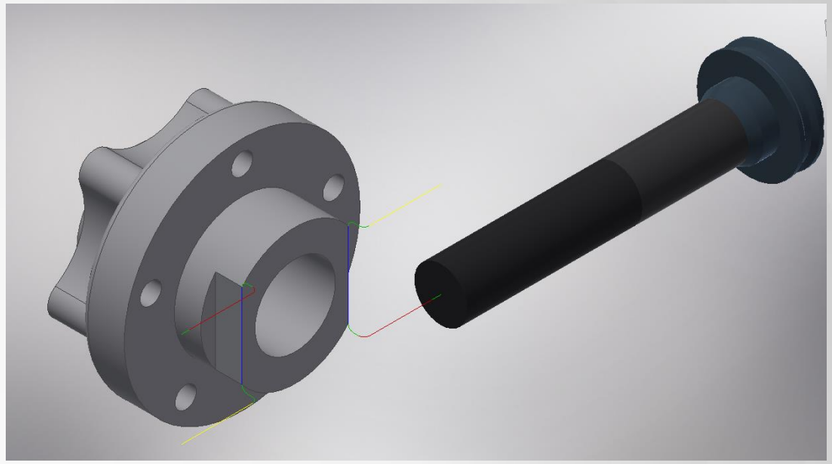
- Fixture Templates
- Operation Templates



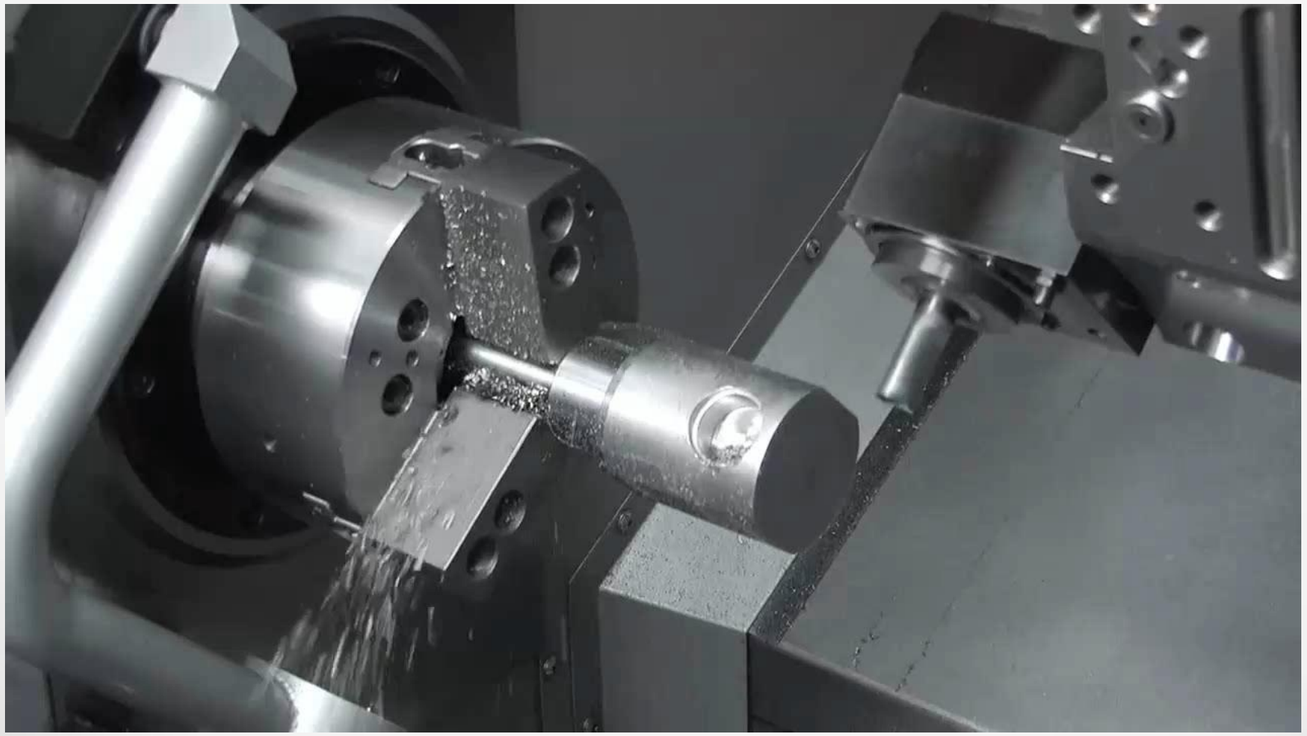


Learn how to program mill/turn machines

Mill/Turn



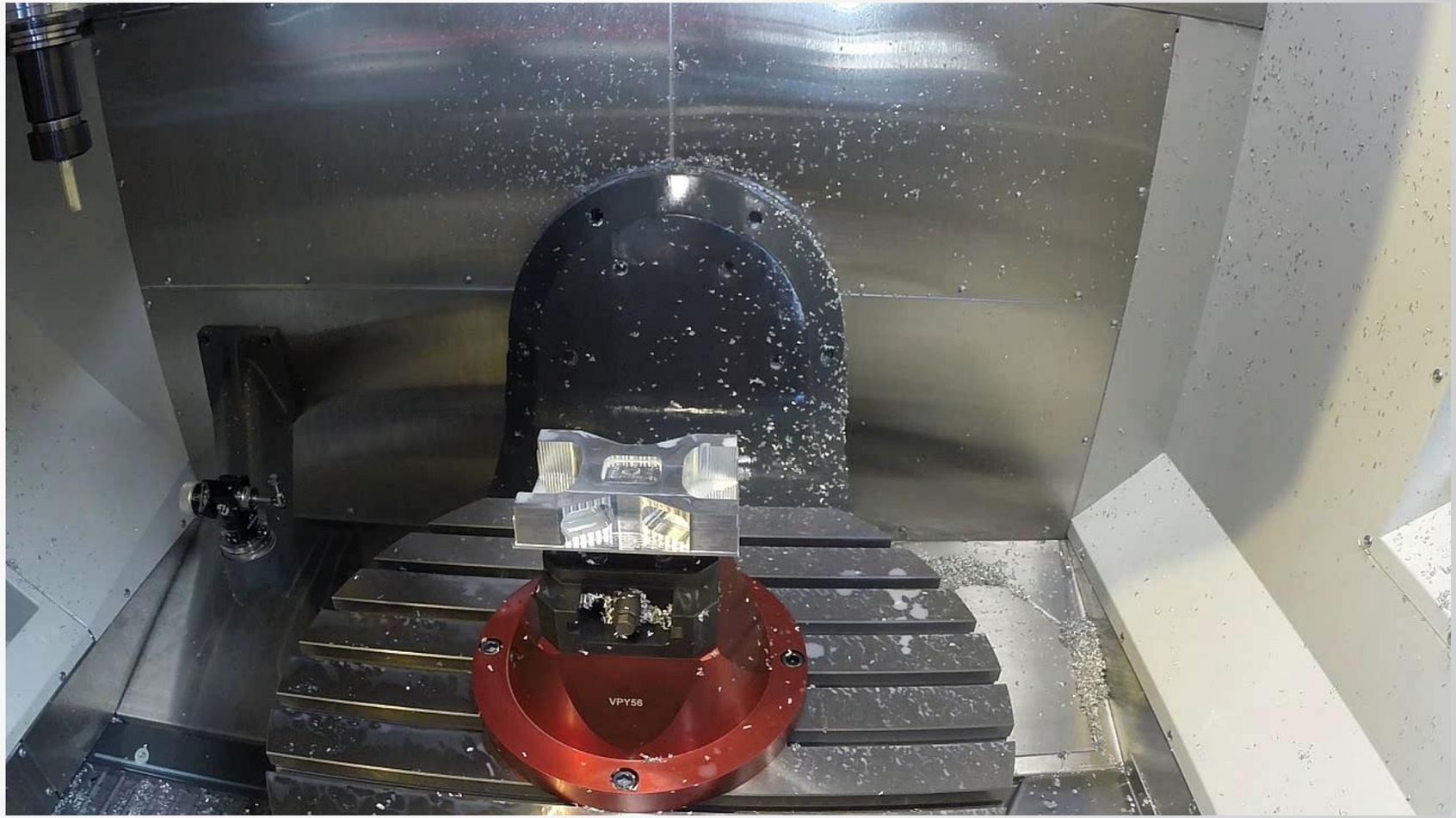
- Turning Setup
- Turning operations
- Y-axis operations (tool orientation)



Learn about 5-axis (3+2 axis) programming

3+2 Axis

- Time Savings
- Tool orientation



Questions?

Be heard! Provide AU session feedback.

- Via the Survey Stations, email or mobile device.
- AU 2016 passes awarded daily!
- Give your feedback after each session.
- Give instructors feedback in real-time.