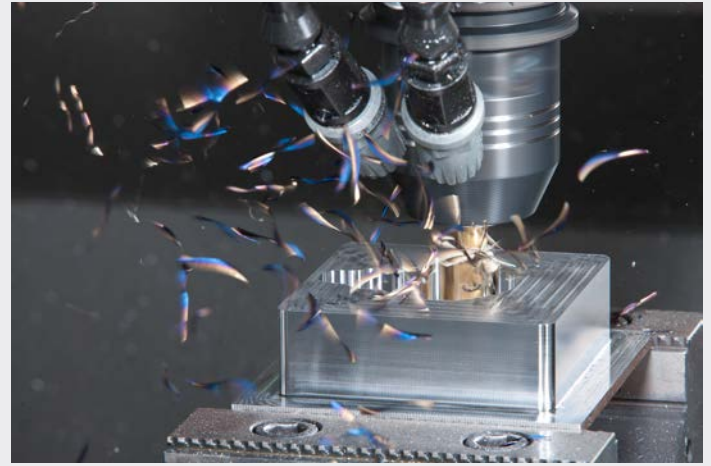


# HSM: 2D/3D Machining and Turning

## Course Description

This course will provide you with an understanding of the Integrated CAM functionality within Autodesk HSM software. Through hands-on, practise-intensive learning, you will acquire the key skills and knowledge required to produce 2.5 and 3-axis CNC Programs using the HSM software.



## Prerequisites

Prior knowledge of machining techniques is recommended along with experience of Windows operating systems. Basic Inventor, Solidworks or Fusion 360 training recommended.



## Topics Include

- ❑ Autodesk HSM CAM interface
- ❑ Creating a job setup
- ❑ Creating and using Tools in the Library
- ❑ Simulating and Post Processing the job
- ❑ Face Milling
- ❑ 2D Strategies for Contouring and Pocketing
- ❑ 2D Strategies for Adaptive Clearance
- ❑ Drilling Operations
- ❑ Strategies for Circular, Slot and Trace Machining
- ❑ 3D Machining Strategies
- ❑ Semi Finishing Strategies for 3D parts
- ❑ Finishing Strategies for 3D parts
- ❑ Basic Turning Operations
- ❑ Operations for Threading and Chamfering
- ❑ Creating setup sheets

Course Duration: 1 Day

Next Step: Advanced Manufacturing for 3+2 and 5 Axis