CNC Programming

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Learning Objectives

- Share some Tribal Knowledge
- Expand on our definition of a CNC Programmer
- Define our place in this Industry

Description

The skills required of a CNC Programmer are extensive, but certainly within reach. In this session we hope to expand the listeners worldview as it relates to machining.

Speaker

Mark Terryberry is an applications engineer for Haas Automation, the largest machine tool builder in the western world. He has managed machine shops for nearly two decades, and holds a degree in Organizational Leadership from Biola University. When he's not busy in his role in the Haas Tip-of-the-Day video series, you'll find Mark playing his favorite board game Agricola, or hard at work mentoring a FIRST Robotics Team at one of the local high schools.

Mark is a machinist.

Haas Tip-of-the-day

https://www.youtube.com/playlist?list=PL1FfK7Yod27cy-MIlhXsKkDwTmvclf7ps7
Tribal Knowledge
As a machinist, a CNC Programmer, what are we missing? What gaps are there in our training?

Take a penny, leave a penny
Hopefully there is at least one thing that you will pick up from today’s presentation, to add to your toolbox. Beyond this, one of the objectives of this session is to send you back ready to share your knowledge and experience with those around you.

Document and Disseminate
As you look around your place of work, what experience/information do you have that could be recorded and passed along to the ‘new guy’, to the apprentice? If you are the new guy, who can you go to broaden your knowledge of the trade?

Step and repeat. Continue to look for ways to record and convey tribal knowledge.

CNC Programmer
What does it entail?

CAM
Autodesk University is definitely the place to be when it comes to CAM systems. What should your CAM system be doing for you?

Tooling
What can you do to expand your knowledge of Tooling? From cutting tools to fixturing, learning something new every day is how we progress in this trade.

Quality, Inspection
Why is it important for the programmer to understand GD&T, part inspection, when programming a job?

Know your machine
What options does your CNC Machine Tool have on it, and how will this affect the way you program the part?
What Gen?
Whether you are a Boomer or a Millennial, whether you are a journeyman machinist or a novice, what role do you have to play in the manufacturing industry?

Mentor or Apprentice?
This question often has more than one answer.