Advanced CNC Training Featuring Vectric Products

Learn how to make your CNC machine run like it was intended to!

This Advanced CNC Training session will focus on 2D, 2.5D and 3D aspects of Vectric software titles Cut 2D, VCarve Pro and Aspire by offering a comprehensive, hands on, screen to machine approach. Attendees should have a minimum of 2-3 years CNC experience and be looking to bring their CNC design and machining processes to the next level.

Instructors Michael Mezalick and Gary Campbell offer over 40 years combined woodworking experience, with nearly 20 of them in CNC equipped shops.

Seats for this advanced class will be limited to 15 to ensure multiple one on one opportunities for each attendee with an instructor. Class agenda will focus on issues submitted by the attendees prior to the class. This ensures that there is a commonality of experience level between users which should provide an opportunity for all to improve their techniques and methodology.

Design and toolpath methods will be taught here that are not available at any of the OEM or Basics trainings. As an attendee, you will be able to see these projects, your projects, go from screen to machine. Learn the difference between tooling for a design and design for tooling.

There will be a full size, rotary equipped, CNC machine available in the air-conditioned classroom (workshop), which allows the instructors to demo these tips and techniques for 2, 2.5 and 3D implementation of 3 and 4 axis work. Having a live machine will enable attendees to see first-hand the benefits of machine tuning and advanced toolpath methodology.

Attendees are asked to bring a licensed copy of their Vectric software on a laptop to allow them to follow along with the lesson and to provide instructors with files that have been problematic to them. Discussion is not limited to Vectric software titles, but instruction may be limited for non Vectric products.
Class Schedule:
1 ½ hour sessions with ½ hour networking (or 1 hour lunch) in between
8:30 -10:00, 10:30-12:00  1:00-2:30, 3:00-4:30

Advanced Design and Toolpath Methodology.

Thursday and Friday Mornings:
The two morning sessions cover the design side of the attendee issues. Gary and Michael use a
tag-team approach to fully explain the aspects of 2D, 2.5D and 3D machining, and which should
be used where.

Thursday and Friday Afternoons:
The afternoon session focuses on the toolpath aspects of the attendee provided files, with
multiple options shown and explained. Multiple methods to accomplish a given task are
provided. In many cases those options are shown at the machine for a real first hand
experience.

Attendees are asked Friday Afternoon to fill-in their request sheet for the Saturday classes.

Saturday Morning:
User Requests: Gary and Michael use a “tag team” approach to instruct users how to solve
problems that attendees have requested. These requests are prioritized by popularity from
Friday’s fill in sheets. Machine demos featuring feeds and speeds, cut strategies, chipload and
machine tuning are planned.

Saturday Afternoon:
A continuation of the morning user driven session, wrapping up around 3:00 PM.