

# Agenda

## 2009 Vectric User Group Meetings

The following agenda outlines the schedule for the 2 day user group meetings that will be held in,

**Pittsburgh on the 6th & 7th November** at the Embassy Suites at Pittsburgh Airport

**Dallas on the 13th & 14th November** at Holiday Inn Express & Suites DFW Airport North

**Please note** - This agenda is provisional and maybe subject to change without notice

### Day 1

- 7:30 – 8:30 Registration + Coffee + Donuts
- 8:30 – 9:00 Introduction
- Brief introduction from Vectric followed by brief individual introductions from attendees
- 9:00 – 10:00 Overview of VCarve Pro & Aspire
- What's New and What's Planned for the Future
- 10:00 – 10:30 **Coffee Break**
- 10:30 – 12:00 Aspire and VCarve Pro - Vector Drawing, Editing and Design Management
- Advanced tips for manipulating vectors, creating vectors for modelling and machining
- Node Editing – Keyboard shortcuts explained  
Weld Tools, Alignment, Snap Tools  
Join, Group,  
Layer Management
- 12:00 – 13:00 **Lunch supplied by Vectric**
- 13:00 – 13:30 Aspire and VCarve Pro - Project Planning
- How to breakdown your artwork to achieve your goals as efficiently as possible
- General approach regarding quality/type of artwork  
Using a sketch to plan  
Looking for Symmetry and similar pieces  
Planning the use of Components & Layers  
Deciding what tools to use in the software

13:30 – 14:30 Aspire and VCarve Pro - Project Planning

Avoiding common mistakes and getting the most from the tools available

Interactive Sculpting

Working Model/Component Manager good practice – avoid the double thickness

Creating Molds

Machining a Long piece

14:30 – 15:00 **Coffee Break**

15:00 – 16:00 Show and Tell by experienced Vectric customer giving presentations on subjects such as,

V-Inlay explained with tutorial and examples

Finishing Techniques

Successful Aspire projects

Multi sided machining with Cut3D

How to design and machine Lithophanes

Note: This section will be different for each location and more details to follow.

16:00 – 18:00 Customer Show and Tell

Tables will be available for users to show their work and informal socialising.

## Day 2

8:00 – 8:30 **Coffee + Donuts**

8:30 – 10:00 **Advanced Toolpath Techniques and Troubleshooting for VCarve Pro and Aspire**

VCarve Tool selection

Why do toolpaths fail?

3D Texturing

- Applications
- Offsetting tool and required distance
- Pocket letters / inlays

Multi-coloured Rendering, Solid 2D Preview

Bevel Carving Overview

Profiling options - Sharp Corners, Leads, Ramps

10:00 – 10:30 **Coffee Break**

10:30 – 12:00 **Aspire Project - Combining & Editing Existing Models**

Adding impact to 3D projects

Building up new layouts from existing models

Tilting, Fading and Grouping for different effects (Compound Tilt)

Using the modelling and sculpting tools to modify components

Working with multiple sessions of Aspire

12:00 – 13:00 **Lunch supplied by Vectric**

13:00 – 14:30 **Aspire and VCarve Pro Project - How to evaluate 2D and 3D projects**

Examine different projects to see where to use 2D and 3D for different effects

2D Vector Prep and Machining

Using VA3D Models - Machinist

Using Toolpath Textures / Using Bitmap Textures

3D Inlay

Machining 2D and 3D on the same project

Working with Digitized data if you have an existing part

14:30 – 15:00 **Coffee Break**

15:00 – 16:00 **Aspire Project - Various 3D modelling and machining projects showing the different tools and techniques available in Aspire.**

3D Modelling from sketches and images

Machining 2D and 3D

16:00 **Round up by the Vectric Team + Questions and Answers**