

Project Tutorial

Featuring compatibility with nearly all CNC Machines

It is our pleasure to provide our customers with fun and useful projects to enjoy!

Vetric Project Tutorial
www.vetric.com

Compatible with:

VCarvePro 6.5
(or greater)

and

Aspire 3.5
(or greater)

Sample Carved with:
ShopBot Buddy
PRSalph BT48

ShopBot®
www.shopbottools.com

Candy Duet

Designed for Vetric™ by Michael Tyler

The Candy Duet is a handsome container equipped to offer two assortments of sweet treats during holiday family times and year-'round, too! Machining and construction is simple and quick. You may even be tempted to make several Candy Duets as gift items!

The sample shown uses contrasting wood types and colors, with just a clearcoat applied over the natural wood. Of course, you can choose to use any other suitable wood and finish. The V-carved design embellishments can be replaced with your own custom designs, if you wish.

The dimensions of the Candy Duet are about 5.5 " deep x 11 " wide x 4 " tall.



Main items you will need:

1) The Project Files (included):

- Candy_Duet_DARK_Sections.crv
- Candy_Duet_LIGHT_Sections.crv
- Candy_Duet_LIDS.crv

2) Boards with the following dimensions:

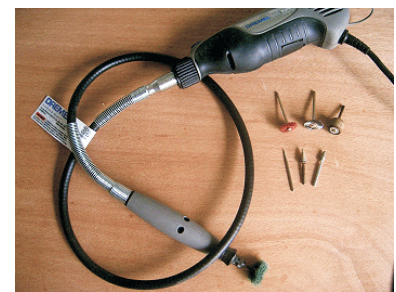
DARK: 0.75 "x 6.5 "x 24 "

LIGHT: 0.75 "x 6.5 "x 24 "

LIDS: 0.75 "x 5 "x 12 "

3) Glue, sandpaper, clamps and finish materials of your choice

4) A Dremel-type rotary tool with assorted sanding wheels and bits to sand small details and speed up preparation for finishing.



CNC Bits used for the Sample:

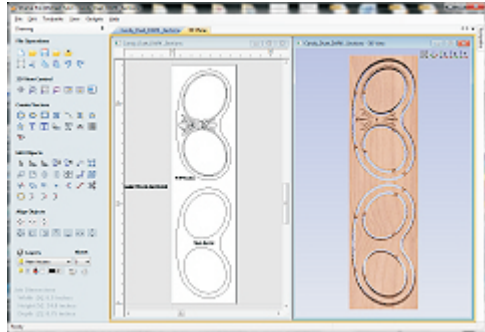
0.25 " Down-Cut EM
90° V-Bit (0.75 " diam.)

Candy Duet

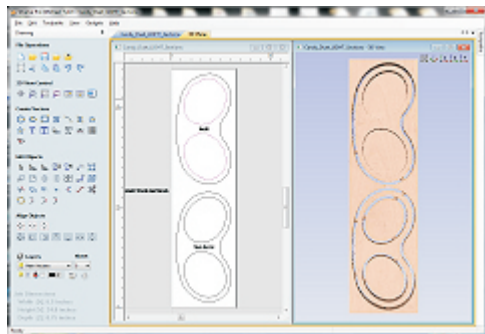
(cont.)

STEP 1 - Open and Review the Project Files

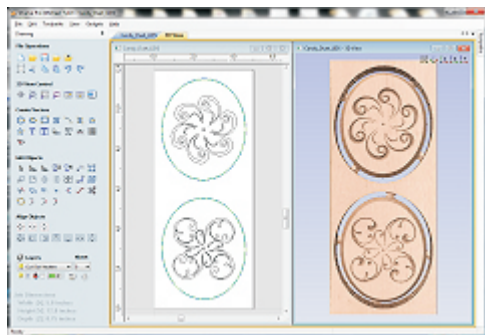
Start your VCarve Pro or Aspire software and open the project files. (fig. 1)



Candy_Duet_DARK_Sections.crv



Candy_Duet_LIGHT_Sections.crv



Candy_Duet_LIDS.crv

fig. 1

Carefully review all the toolpaths and make any necessary changes to suit your particular bits and machine. The toolpaths are currently set with feeds, speeds and pass depths that were used in creating the original sample. Please don't use them directly until you review them for your own setup.

You can edit the tools and change the settings to your own preferences and requirements. **It is very important to recalculate all toolpaths after making any edits/changes.** Once you have recalculated for your own machine and bits, reset the preview, then preview all toolpaths again to visually verify the project outcome on-screen. The project is designed with tabs to hold parts in place during the final part cut outs. You may delete the tabs if you use some other reliable hold-down method.

STEP 2 - Run the Project

When you are satisfied with your settings, save the toolpaths to the appropriate Post Processor for your machine, place your material on your machine bed and proceed to run the project. (fig. 2a, 2b, 2c)



fig. 2a

fig. 2b

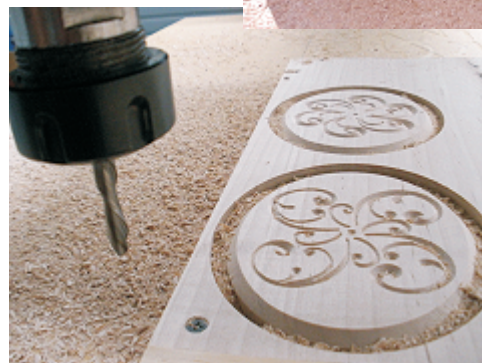


fig. 2c

(cont.)

Candy Duet

(cont.)

STEP 3 - Release and Sand Parts

Separate the parts from the material, then sand off any tab remnants. (fig. 3)



fig. 3

Remove the clamps and sand the *interior* only, to blend the inside sections nicely. Sanding is expedited with the use of a bench top spindle sander, but hand sanding is fine, as well. Starting with a coarse-grit (60 to 150-grit) and progressing to 220-grit will help hand sanding go faster. *NOTE: The exterior will be sanded later.* (fig. 4c, 4d)



fig. 4c

STEP 4 - Part Assembly and Sanding

Stack and glue the top 3 sections together. Clamp until dry. (fig. 4a, 4b)



fig. 4a



fig. 4d



fig. 4b

Glue the top section assembly to the base. Clamp until dry. (fig. 4e)



fig. 4e

(cont.)

Candy Duet

(cont.)

STEP 4 - Part Assembly and Sanding (cont.)

Remove clamps once glue has set. Sand the entire exterior perimeter by hand or a bench top sander, to final-blend the sections. (fig. 4f)



fig. 4f

STEP 5 - Finish Application

Apply your choice of finish. Here's what I used on my Candy Duet made from Maple and Spanish Cedar:

- Three coats Bulls Eye/ Zinsser Sealcoat (this is a food-safe 100% wax-free shellac)



IN CONCLUSION

The center divots in the lids serve as a design element, but they can also be used as “locators” for installing a decorative wooden, ceramic or metal knob for the lids.

Another idea is to glue-up boards with one side all a dark wood, and the other, all a light wood. When assembled, each half can be a complete solid color. The lids could also be cut in contrasting woods as you desire.

Feel free to put your own creative spin on the Candy Duet Project!

Happy Carving!

Michael



Materials Source Page

- **3M Radial Bristle Discs** from www.mcmaster.com
(stack 3 discs at a time on your rotary tool mandrel)
 - **80-grit:** part # 4494A19
 - **220-grit:** part # 4494A18



Miscellaneous Items Purchased at Home Depot™

- **Bulls Eye/Zinsser SealCoat and Denatured Alcohol**

Miscellaneous Items Purchased at Lowes™

- **Sandpaper**
- **Disposable Brushes and Paint Rags**

Additional Resources

RESOURCES...

There are numerous resources for Vectric software owners to make their experience with their products more enjoyable. The Vectric website includes video tutorials and more, to provide a good overview of the software products and how to use them. Please visit the Support page for a complete listing of available resources for you.

Vectric Support: <http://support.vectric.com/>

Vectric User Forum

Every owner should join the Vectric User Forum (<http://www.vectric.com/forum/>) where fellow users share their experience and knowledge on a daily basis. It is a FREE service that you will surely appreciate. A handy Search Feature helps you find answers to any questions you may have. There are Gallery sections as well, where you can post and view photos of projects created with Vectric software.

The trademarks, service marks and logos used and displayed in this document are registered and unregistered Trademarks of Vectric and others.