

The Carvey is a carving machine that carves a design into a piece of material (either wood or plastic) based on information given to it by the computer. Using the Easel program, you can create/import a design and send it to the Carvey to be carved into a piece of wood or plastic. Despite the size of the machine it is very simple to set-up and use. If you would like to bring your own material to use with the Carvey, please make sure the material is no more than 8 inches wide by 12 inches long and 2.5 inches thick, 1 inch thick if you'd like to cut through the material completely. Please check the "Bringing Your Own Material" section for full details.

Pre-Production

Make sure the interior of the Carvey is clean of most of the leftover bits from the previous carving. If it is not, ask the Maker Space staff to clean it when they get a chance. (Cleaning is at the end of the documentation)	
Sign into your Inventables Account and open your design in Easel	IN VENTABLES. SHOP EASEL PROJECTS FORUM SUPPORT LOGIN 🙀 Q
	Image: Sector Secto





Replacing the Carving Bit (Make sure Carvey is off!)









Getting the Material Ready (Make sure the Carvey is Off!)

Make sure the Carvey is turned off. Remove the green thumb screws from the Smart Clamp in the bottom left corner of the Waste Board. Then take of the top of the smart clamp.



Put the top of the Smart Clamp back on top and screw it back into place.

aligned with the grid on the wasteboard.









Carving

Close the lid and turn on the Carvey. The switch is behind the machine. The light should turn on.

















Cleaning

Turn off the Carvey and remove all clamps (minus the smart clamp). Plug in the vacuum and attach one of the small extensions to the end of the vacuum tube.





Turn on the vacuum and vacuum the interior of the Carvey.	
Switch extensions as needed to reach small areas.	
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For heavy duty cleaning, unscrew the 14 screws on the plates underneath the waste board.	CARVEY' inventeelees







Bringing your Own Material

If you would like to bring your own material to use with the Carvey, please make sure the material is no more than 8 inches wide by 12 inches long and 2.5 inches thick. The Carvey also cannot completely cut through material that is longer than the drill bit, our longest drill bit can carve through materials up to 1 inch or 25mm thick.

We currently support the following materials that are pre-set for the Carvey:





Additional Resources:

Online Carvey Manual http://carvey-instructions.inventables.com/

Inventables Carvey Demo https://www.youtube.com/watch?v=s1NU2GDBCME

How To properly clamp your material on Carvey https://www.youtube.com/watch?v=-wyU8PNt_4Q

Easel Tutorials https://www.youtube.com/watch?v=cmwBItnHeHI&list=PLFr1ntD6SYNQZOWP86gq4-NEyKay3qvPx

Inkscape Tutorial on Lynda.com (Free Vector Program that creates files that can be imported into Easel) https://www.lynda.com/Inkscape-tutorials/Inkscape-Essential-Training/418854-2.html?org=picnet.org

Cleaning and Maintenance http://carvey-instructions.inventables.com/cleaning/

