


CriCut

CriCut

Tool Type: CNC
Location: Innovation Workshop
Description: CNC paper cutter. Can also be used with other thin, flexible substrates.
Manufacturer: CriCut

About

The Cricut is a 2D paper cutter capable of cutting out precise designs with high accuracy. Capable of cutting thin plastics, vinyl, cardstock, paper, and a whole lot else the Cricut is hooked up to the Carbide computer on the window sill in the Innovation Workshop. A thin layer of material is attached to the sticky mat and fed through the Cricut, which cuts out any 2D shape desired.

Safety Concerns

The Cricut uses a shielded razorblade to make cuts on the sticky mat. Care should be taken when replacing or switching the cutting head as it is incredibly sharp. Fingers should also be kept clear of the rollers when CriCut is operating.

Operating Procedures

1. Launch CriCut software from carbide computer
2. Open a new design space
3. Upload a .PDF image, .DXF flat pattern, or use Cricut's design space to create a 2D design
4. PDF images must have their backgrounds removed and the parts the user wishes to cut isolated by using the click to erase function which removes parts of the image based on color
5. Click and drag objects to scale or position in the design space
6. Remove the protective covering from the adhesive mats and carefully lay material to be cut as

flat and uniformed as possible down on the adhesive layer

7. Load the mat using the double arrows on the CriCut
8. Follow instructions on Carbide computer, press the CriCut button to start cut
9. Press unload button to remove mat from Cricut

Detailed Specifications

- Mat size: 12" x 12"
- Materials allowed:
 - Cardstock
 - Chipboard <2mm
 - construction paper
 - corrugated cardboard
 - poster board
 - foil embossed
 - metallic paper
 - wax paper
- max material length 2 ft

Reference Documentation

[Cricut SOP](#)

01.a-reference-guide_pc_mac-dc-_1_-_1_.pdf

[Cricut Maker Quick Start](#)

From:

<https://microfluidics.cnsi.ucsb.edu/wiki/> - **Innovation Workshop Wiki**

Permanent link:

<https://microfluidics.cnsi.ucsb.edu/wiki/doku.php?id=cricut&rev=1672967175>

Last update: **2023/01/06 01:06**

