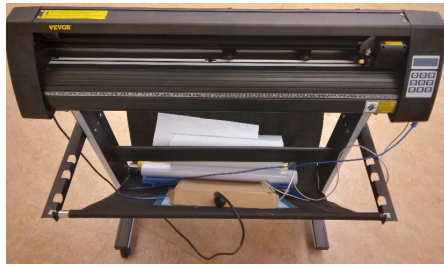


Vinyl cutter to T-shirt manual

Our Vevor vinyl cutter from the front



Our Vevor vinyl cutter from an isometric perspective



Manual for using the Vevor vinyl cutter to create a T-shirt

Procedure:

1. Install Inkcute
2. Setup Inkcute
3. Connect the vinyl cutter
4. Find suitable foil
5. Place foil of viny cutter
6. Set up Inkcute connection
7. Use Inkcute
8. Transfer vinyl to T-shirt

1. Install Inkcute

- See Install Inkcute notes for the notes behind this

Install the Debian packages:

```
apt-get install python3-pip python3-pyqt5 python3-setuptools libcups2-dev python3-pyqt5.qtsv
```

Create a (mandatory!) virtual environment for Inkcute:

```
python3 -m venv ~/inkcut_venv
```

Install the Inkcute and PyQt5 Python packages in the virtual environment”

```
~/inkcut_venv/bin/pip install inkcut PyQt5
```

Now you can start `inkcut` with:

```
~/inkcut_venv/bin/inkcut
```

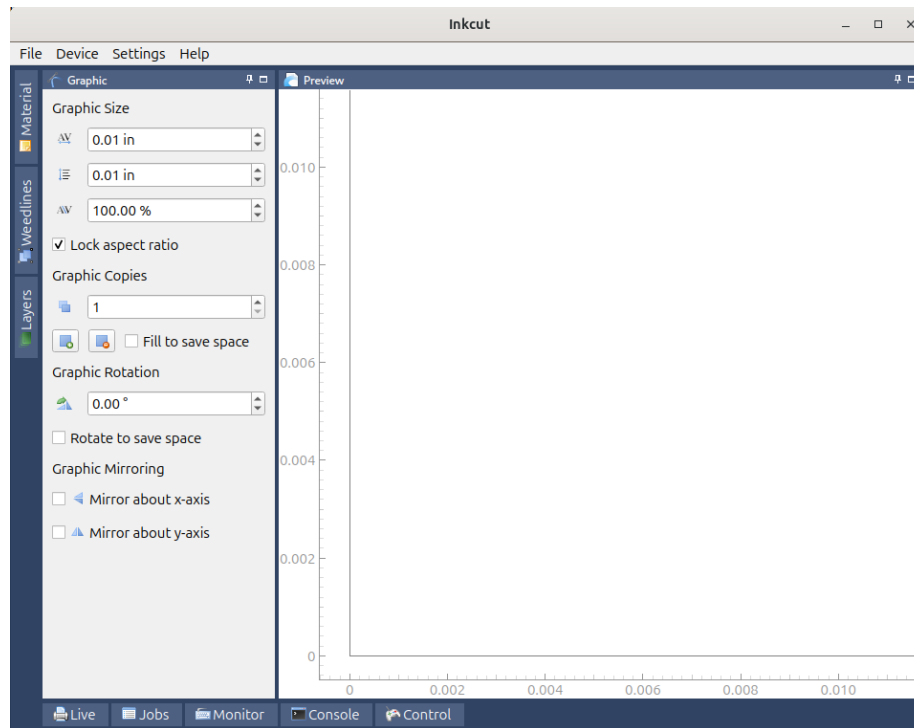


Figure 1: inkcute in action

2. Setup Inkcute

- See Setup Inkcute notes for the notes behind this

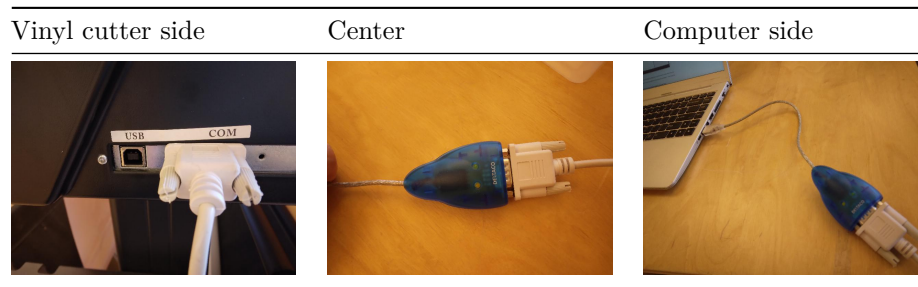
Add yourself to the `dialout` group:

```
sudo usermod -a -G dialout "$USER"
```

Restart (yes, a cold boot!).

3. Connect the vinyl cutter

Plug in the correct USB cable from the vinyl cutter to your computer:



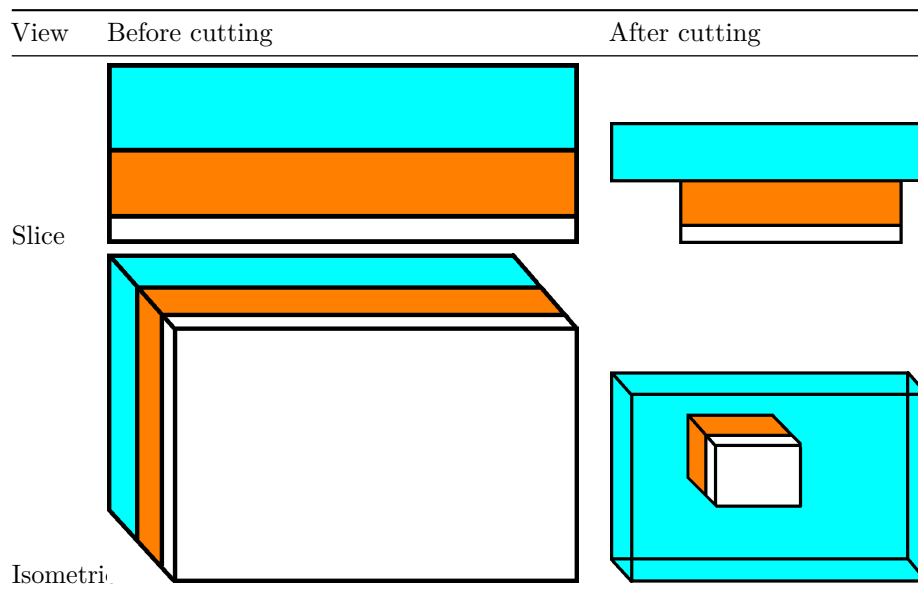
4. Find suitable foil

Suitable foil looks like this:

- The foil feels smoother than a sticker
- The foil is shinier than a sticker

5. Place foil of vinyl cutter

Place the foil on the vinyl cutter, with the white side up.



Structure of the foil and what will be cut away. Light-blue: thick, transparent layer, do not cut, can be separated from orange layer by hand. Orange: the color of the print. White: the glue connecting the print to the T-shirt

The knife cuts the white and colored layer only. The thick and transparent layer needs to remain intact.



Figure 2: Transfer foil ready for transfer

6. Set up Inkcute connection

Go to the 'Configure device | Connection':

- Type: Serial port
- Port: `tttyUSB0`. If you cannot select `tttyUSB0`, you've used the wrong USB cable coming out of the vinyl cutter :-)
- Baudrate: 38400

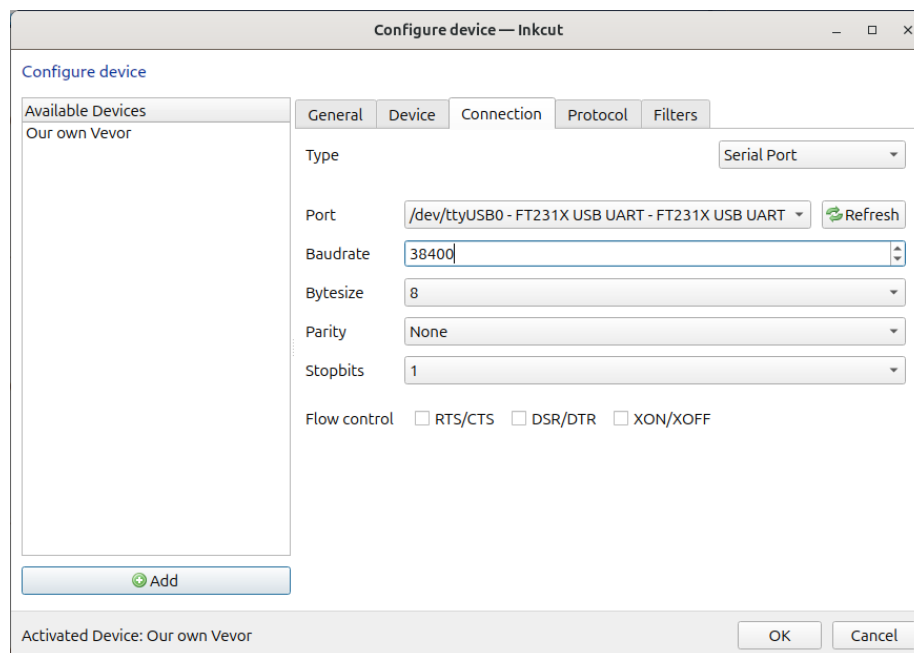


Figure 3: Use the serial port with a baudrate of 38400

Use the serial port with a baudrate of 38400. If you cannot select `tttyUSB0`, you've used the wrong USB cable coming out of the vinyl cutter

7. Use Inkcute

Inkcute in action

8. Transfer vinyl to T-shirt

Put the remainder of the foil on the T-shirt, with the colorful side up.

Press not yet ready. It should say `T=160/160C`. A temperature from 155 to 165 degrees Celcius would also be fine.

Heat up the heat press, this takes about 15 minutes.

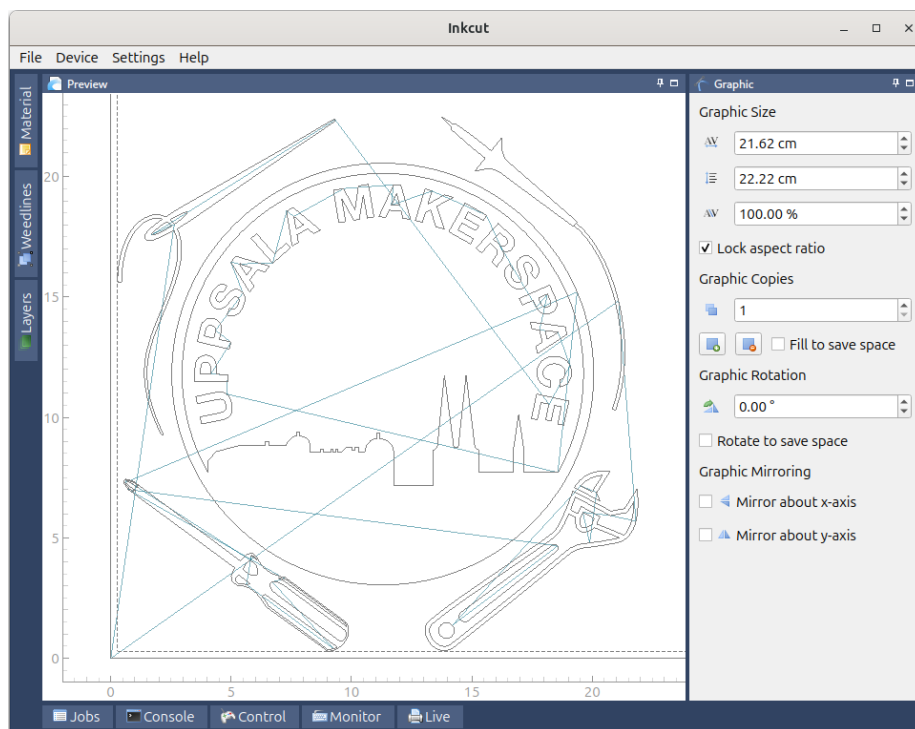


Figure 4: Inkcute in action



Figure 5: Press not yet ready

Place the T-shirt under the press, with the foil at the right spot.

When the heat press is warmed up, lower the press. After around 20 seconds, the press will start to beep. Raise the press again.

Wait for the print to cool off.

Carefull peel off the transparant layer from the shirt.

Done!

Troubleshooting

The vinyl cutter is confused



Figure 6: The vinyl cutter is confused

This may happen when you send multiple prints at the same time. Press reset, close Inkcute, press reset, start Inkcute and try again