

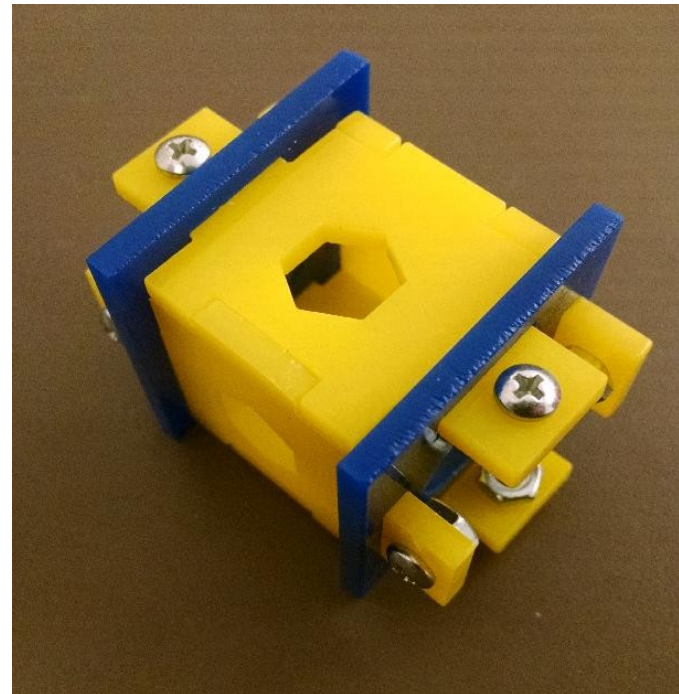
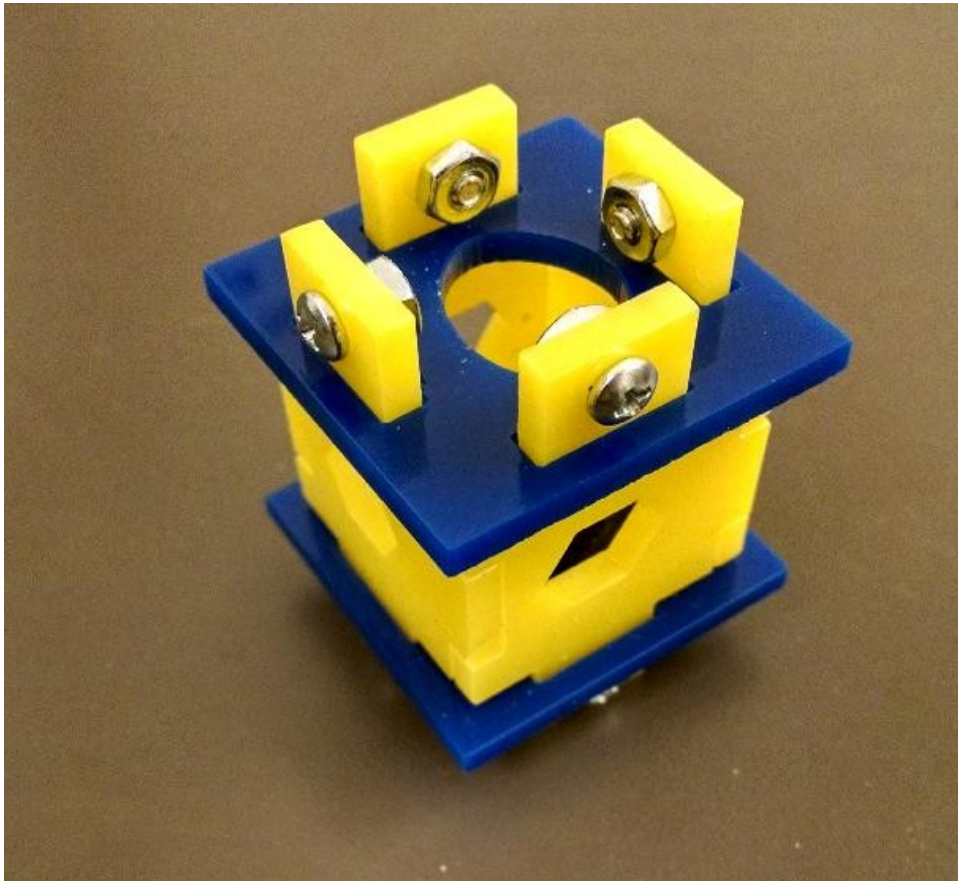
15-294 Rapid Prototyping Technologies:

Construction Tricks

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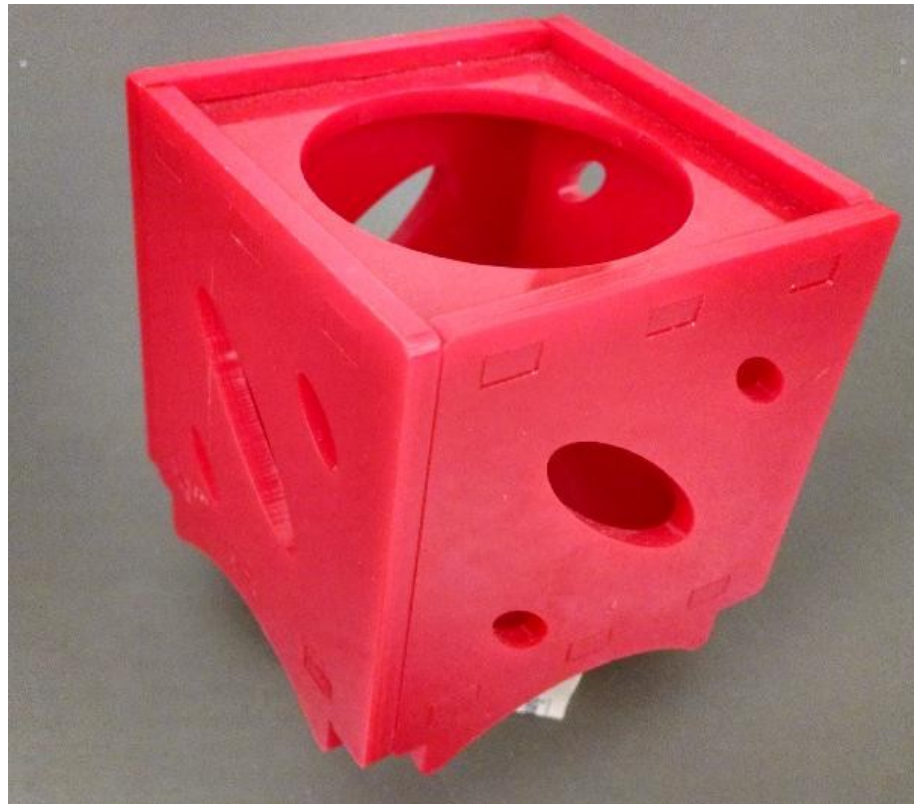
Making a Box

- Tab and slot construction
- Fasteners through the tabs



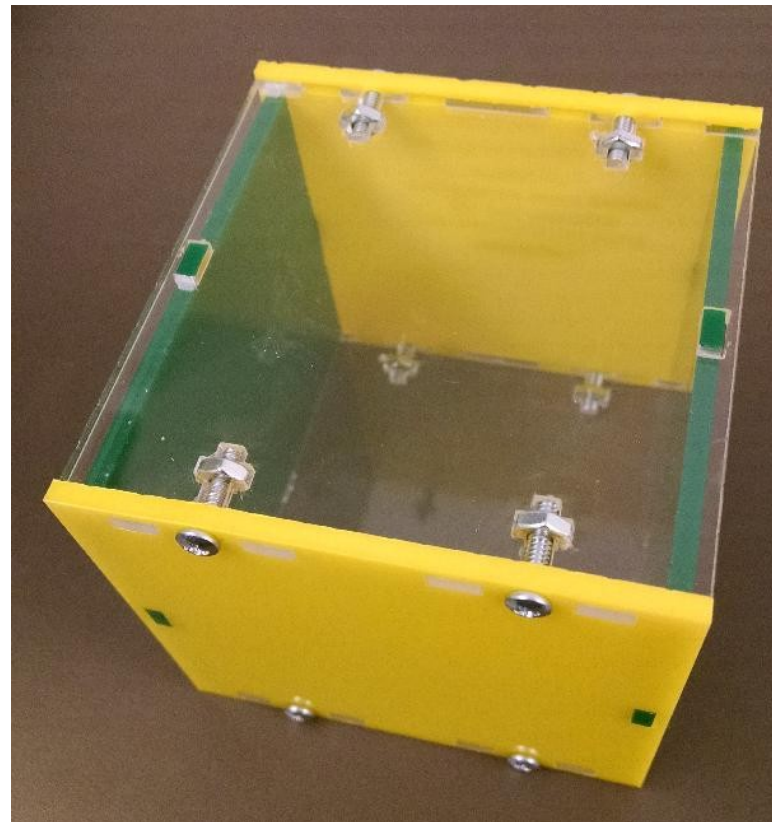
Making a Flush Box

- Tabs are flush with the slots
- Fastened with acrylic cement



T-Slot Joints

- Nut embedded in the panel
- Panels held under tension



T-Slot Pattern

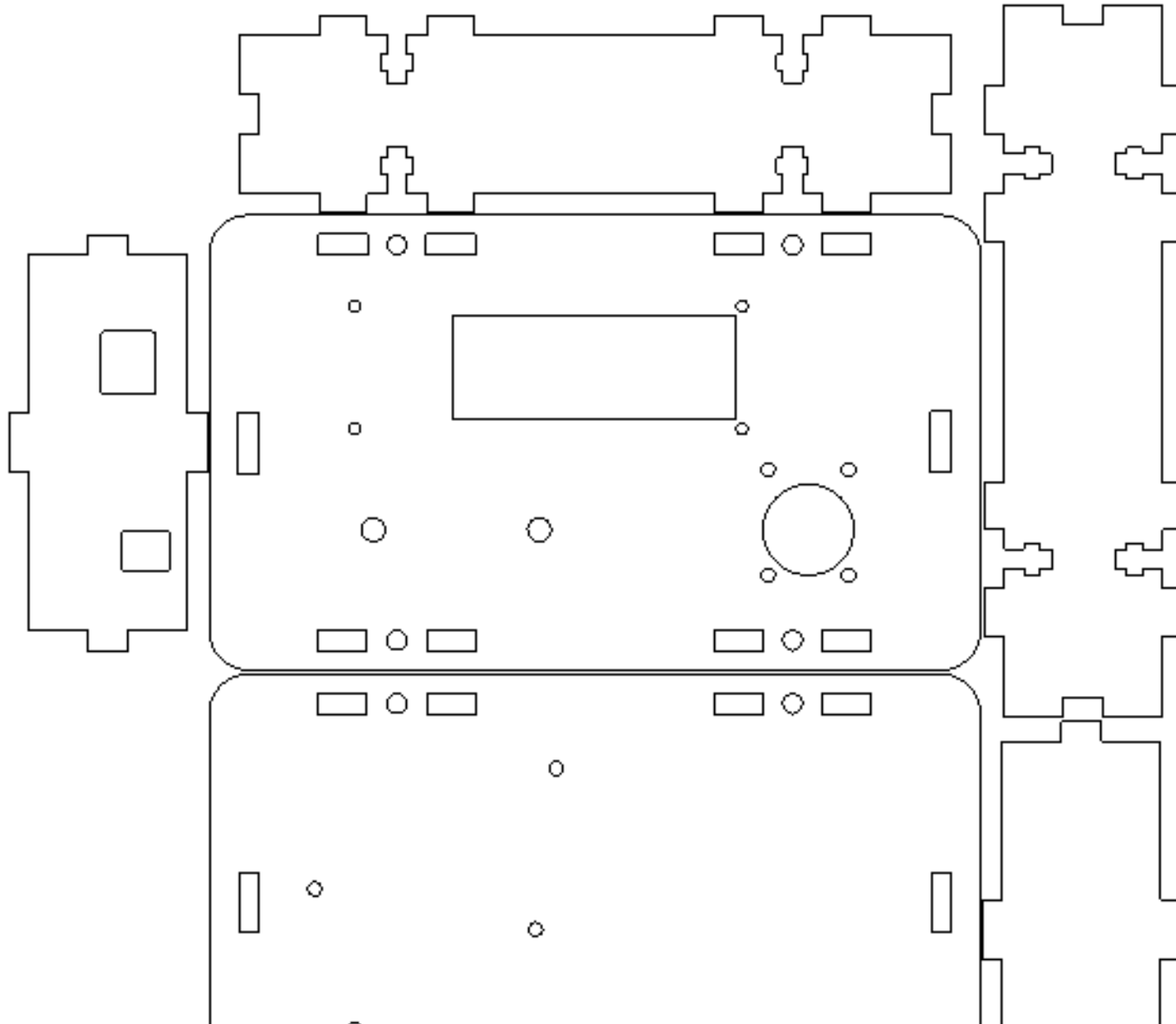


Image from Xiaoyang Kao
xy-kao.com

T-Slot in Wood



Image from Xiaoyang Kao
xy-kao.com

Dragon's Claw Joints

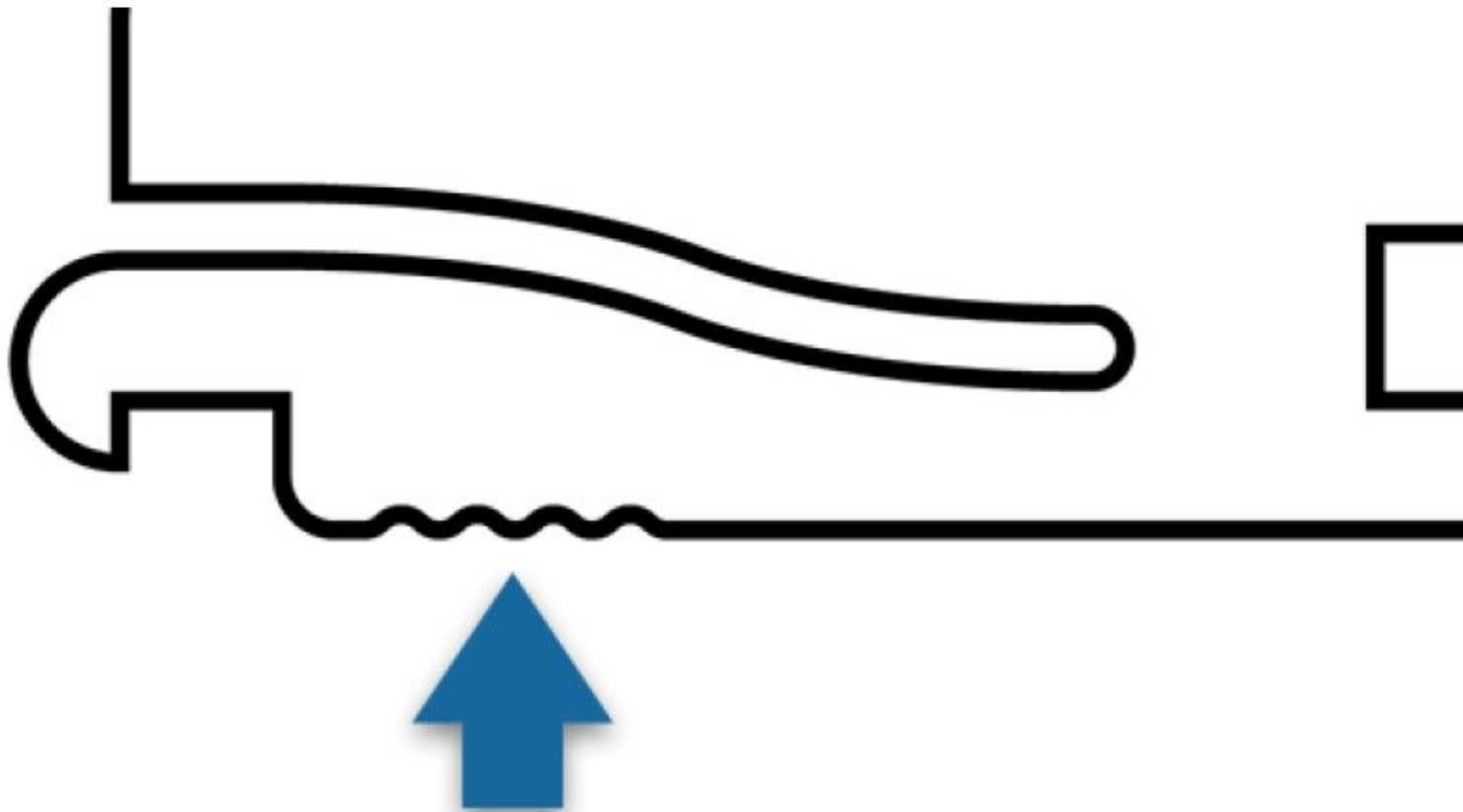
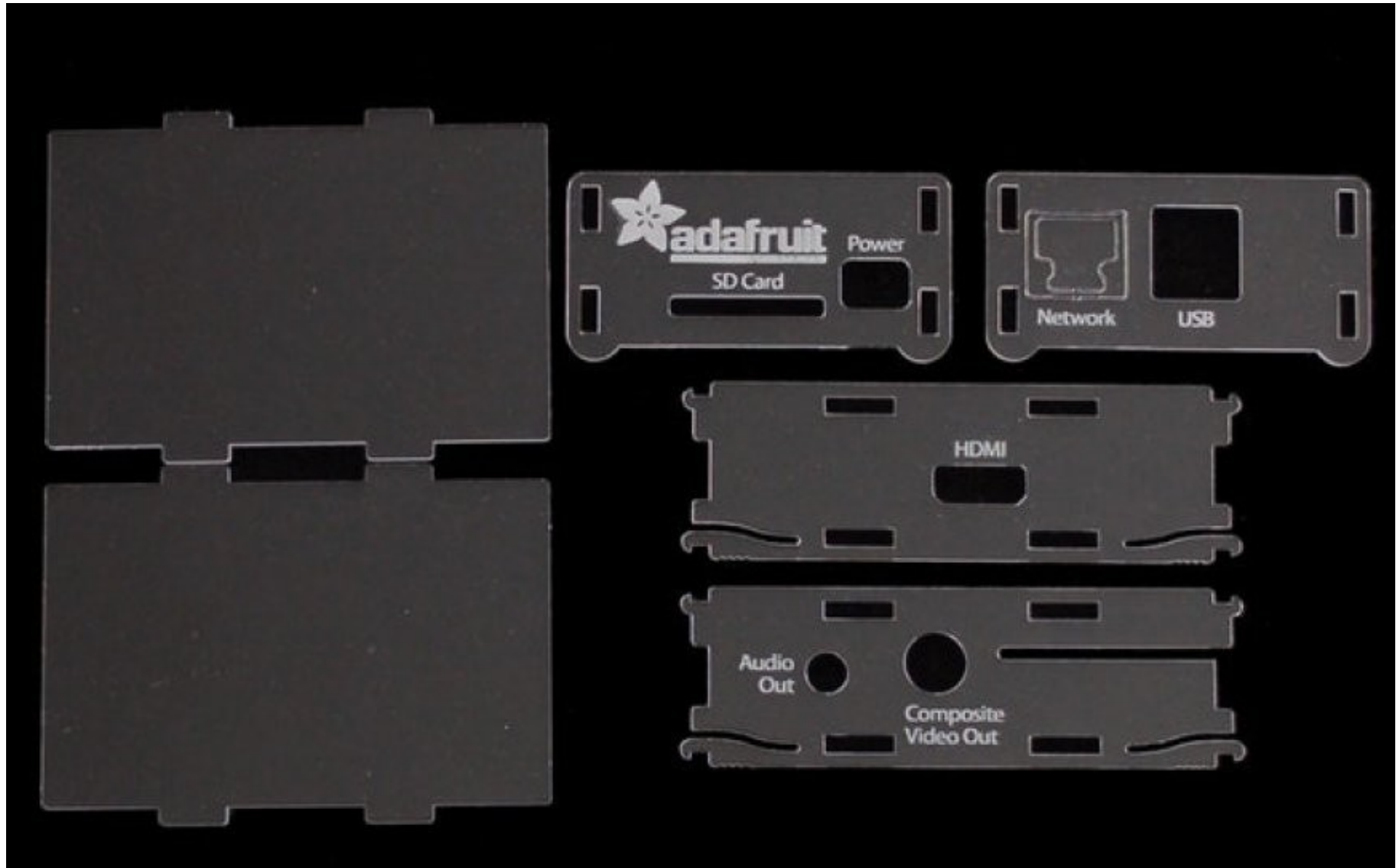


Image from Phil Burgess, Adafruit Industries.

Dragon's Claw

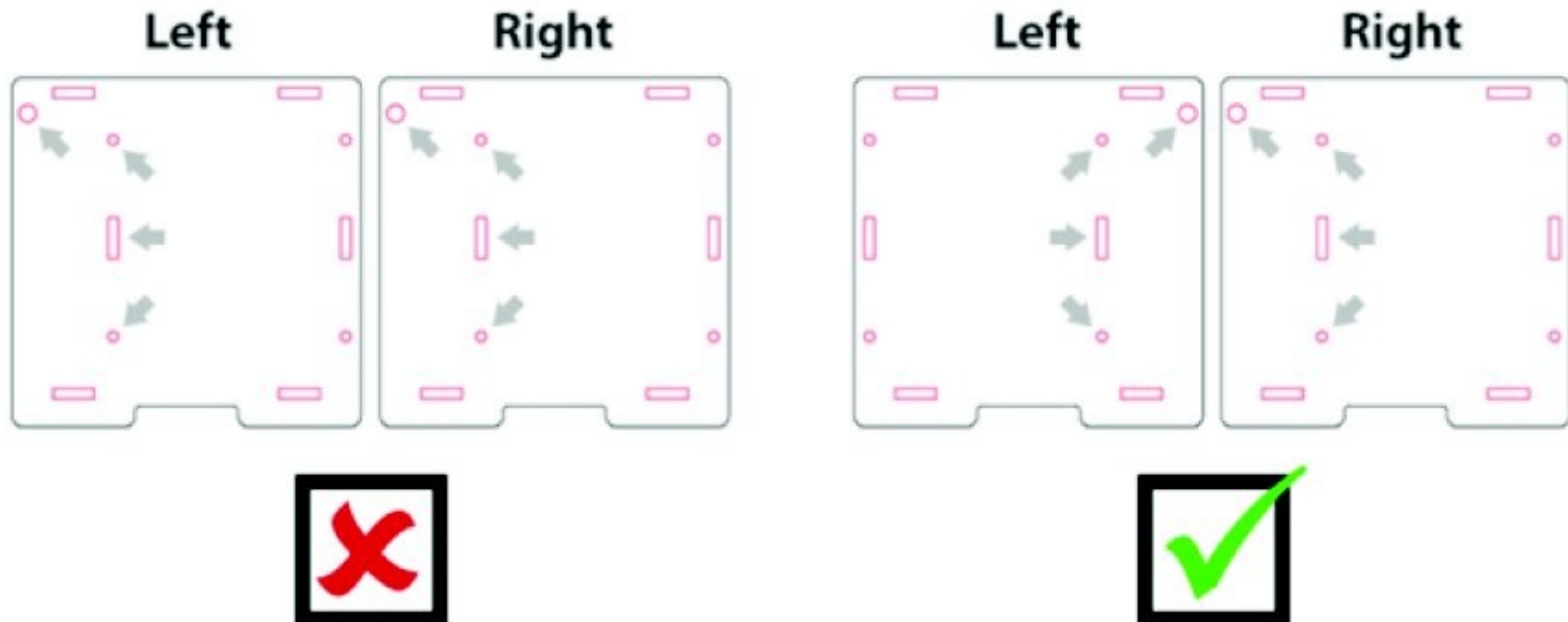


Dragon's Claw



Mirror Matching Parts Instead of Copying Them

Compensates for laser cutter asymmetries:
beveled edges due to depth of cut.



Threaded Inserts for Plastic Parts

