

Levitating!

Getting the small cube magnet levitating is quite easy. Since gravity pulls the cube straight down, the first thing you should do is make sure the sculpture is placed on a level surface. Also try to avoid having iron and other magnets nearby.

Start by placing the levitating magnet between the two bismuth cones. Then adjust the bottom cone so that there's only a small extra space between the magnet and one of the cones.

If the levitating magnet is sticking to the top cone, slowly raise the lifter magnet by turning the top adjustment dial to the left. If it's resting on the bottom cone, slowly lower the lifter magnet by turning the top adjustment dial to the right. Eventually the magnet will start to levitate between the two cones.

You can now try lowering the bottom cone slightly, and adjusting the lifter magnet to compensate. With careful tweaking, you should be able to increase the levitation distance noticeably.

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Kickstarter Backers

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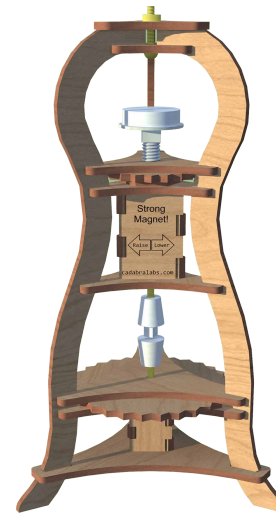
Thanks to all the backers of the Kickstarter project that was used to launch the Magnetic Levitation Sculpture:

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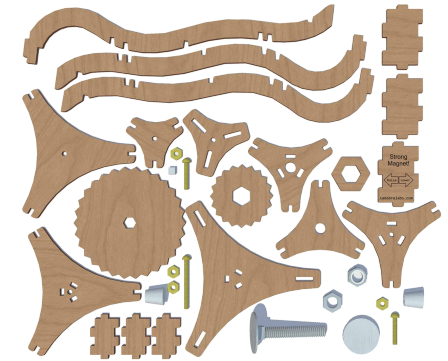
Most of all, thank you to my family for their support!

Magnetic Levitation Sculpture

A Cadabra Labs Kickstarter Project



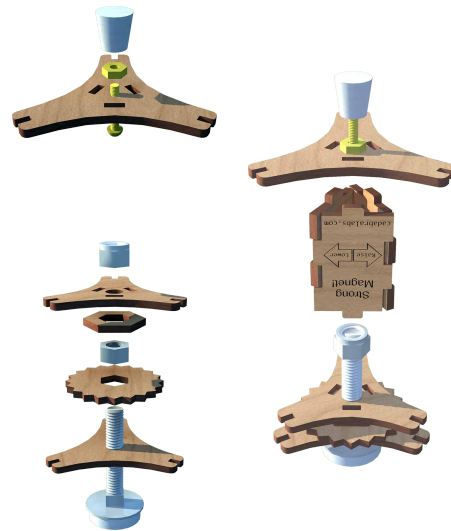
Sculpture Parts



Step 1: Assemble Bottom Support Structure. Bottom nut should be tight against end of bolt.



Step 2: Assemble Top Support Structure upside down. ('Strong Magnet' should be upside down.) Make sure locking nut is tight on elevator bolt.

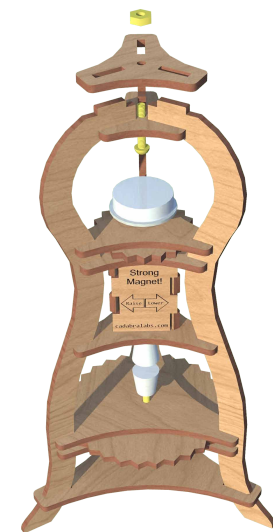


Step 3: Insert legs into bottom structure, locking structure in place with two legs. Add top structure, and fold final leg in to lock structures in place.



If you're assembling a mirrored or MDF/Baltic Birch version, make sure you match the front facing legs with the 'Strong Magnet' side of the top support structure. One leg will always be oppositely cut to match either of the other two legs.

Step 4: Bolt together the top locking assembly. You should not have to use much force to fit it together, and you don't need to tighten the nut very much.



Your Magnetic Levitation Sculpture is now complete!