

Coin sorter



duration: 30 - 45 minutes
age: 7 - 14 years

Sort your coins with this automatic coin sorter. (this sorter works with euro coins)

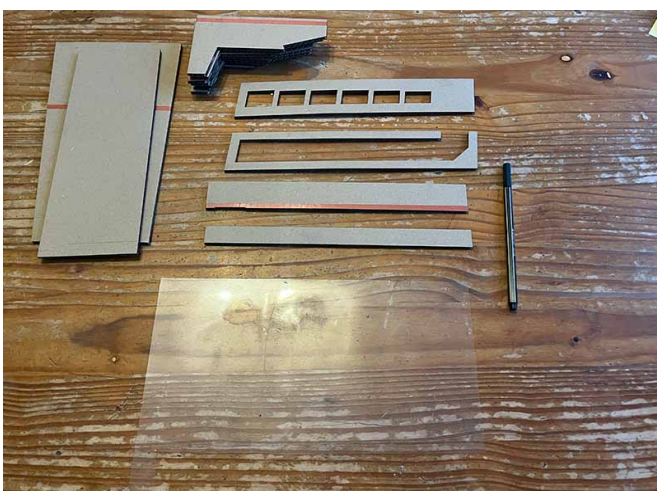
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tools

- ☐ Gluegun
- ☐ Laser cutter
- ☐ Marker pen

materials

- ☐ Cardboard (about 3mm thick)
- ☐ transparent sheet



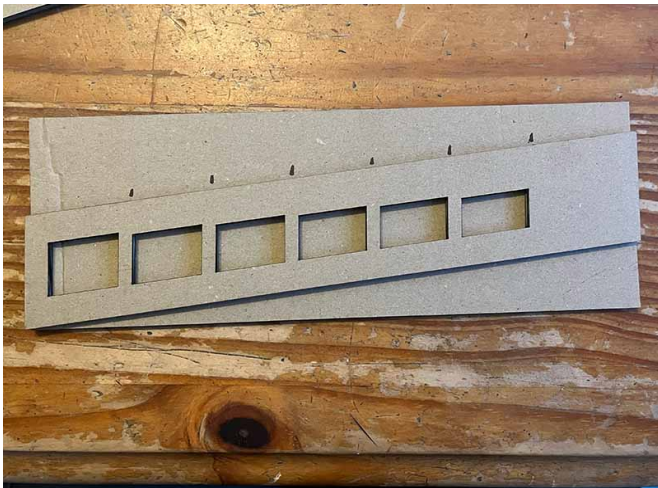
1 Cut the cardboard

- Use the lasercutter with the .dxf file to cut out the cardboard.



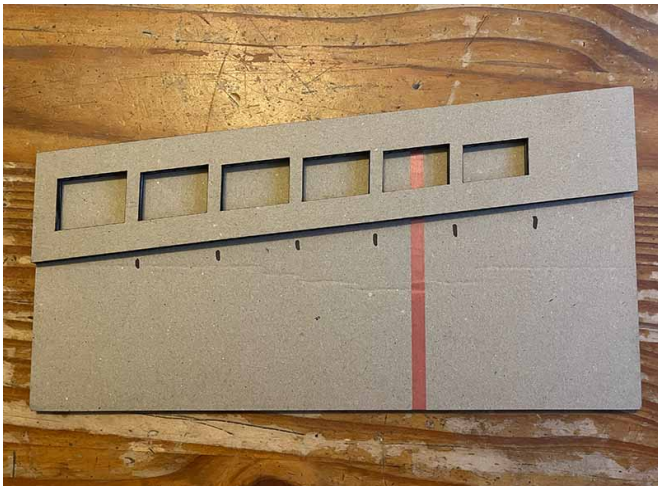
2 Cut the transparent sheet

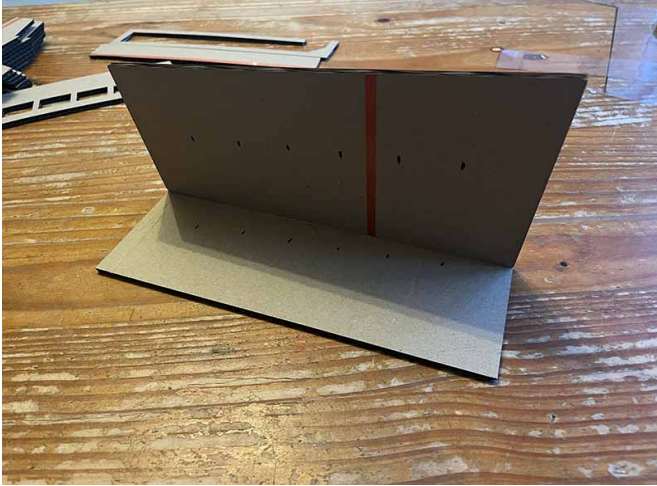
- Trace the outside of the piece with the holes onto the transparent sheet.
- Cut out the transparent sheet.



3 Mark the bottom and the back

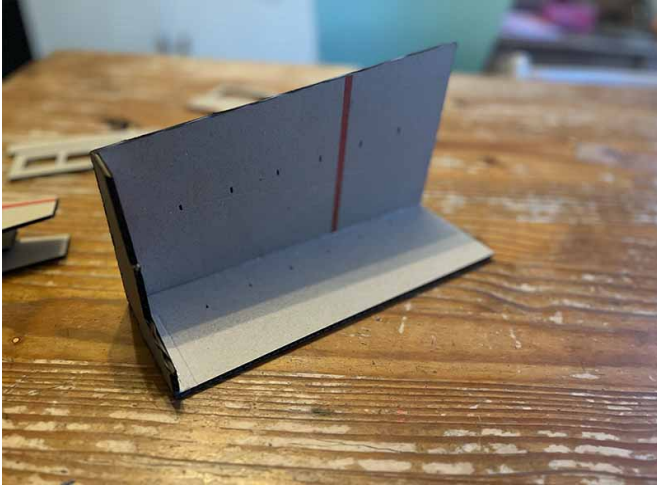
- Place big square piece and put the piece with the holes on top.
- Align the left and right sides to be flush with each other.
- Mark the big piece between each of the holes.
- Repeat for the big back plate. Make sure to place it with the small side left.





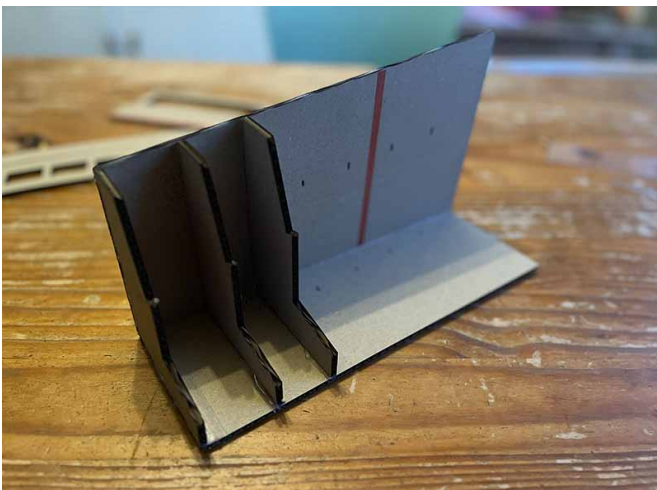
4 Glue the back on top of the bottom

- Glue the back on top of the bottom plate, with the marks facing the inside.
- Try to glue as perpendicular as possible.



5 Glue the divider pieces

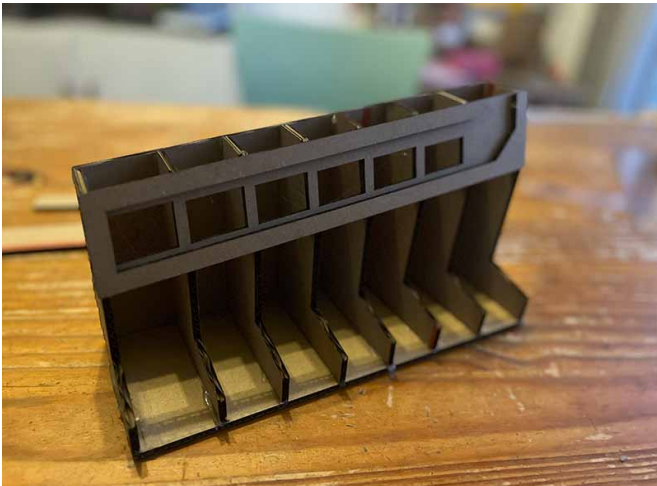
- Align the divider pieces with the marks you made earlier. Start with the smallest one on the left and place progressively larger ones as you move to the right.
- Glue the divider pieces in place.





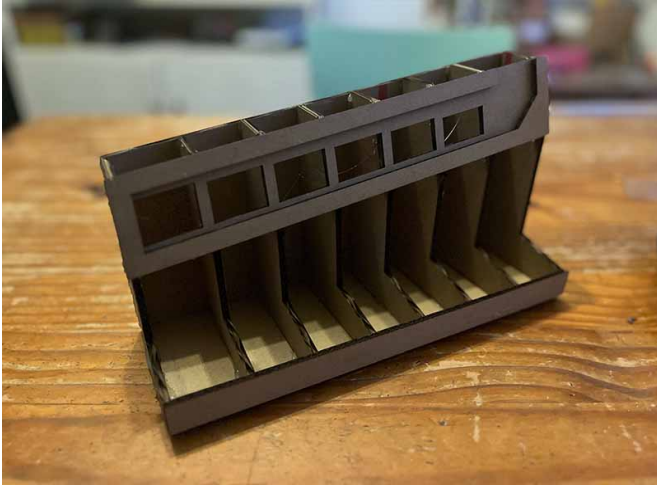
6 Glue the coin slide

- Alignment here is very important, so be precise.
- Glue the slide piece on top of the piece with the holes.
- Test! Roll some coins down the slide and see where they fall trough. Each coin should have its own hole.



7 Glue the slide in place

- Glue the coin slide on top of the main assembly.



8 Top and front

- Glue the front.
- Glue the top, make sure the small cutout is over the entry of the coin slide.



9 Glue the transparent sheet

- Glue the transparent sheet over the coin slide.



10 Mark the coin slots

- Mark the coin slots with your marker.



11 Done!

- You're all done! Go sort some coins.