





# Plastic Shredder Machine

Plastic waste is shredded into flakes which will be used in the other machines to create new things. You can select the output size of these flakes by changing the sieve inside the machine to create different patterns and processes.

 Difficulty **Hard**

 Duration **4 day(s)**

 Categories **Robotics, Energy, Science & Biology**

 Cost **180 EUR (€)**

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## Introduction

The output of the shredder isn't super sexy just some chopped plastic flakes. You can change the size of these flakes by changing the sieve. Different sizes of flakes will give a different pattern, smaller flakes melt easier but take longer to shred. Play around and see what works the

best for you!

## Materials

<http://preciousplastic.com/videos/download/>

## Tools

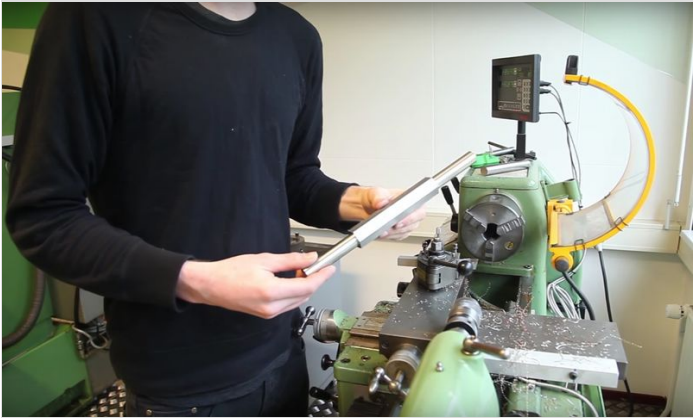
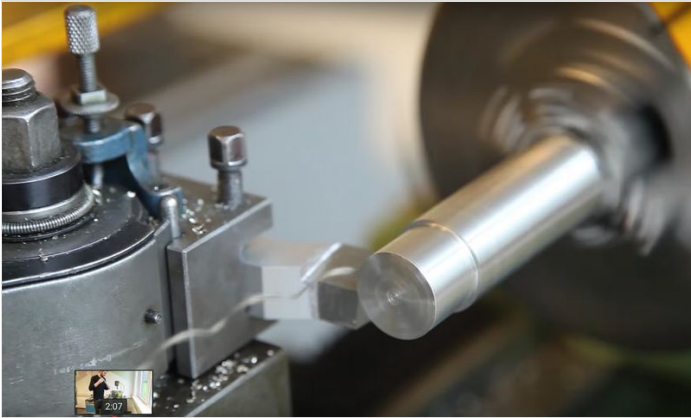
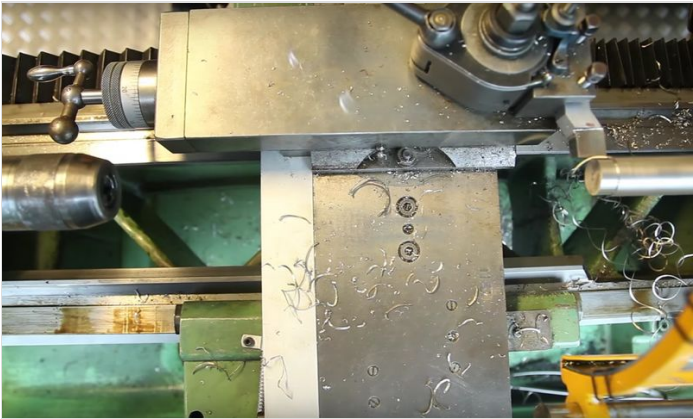
### Step 1 -



### Step 2 -



Step 3 -

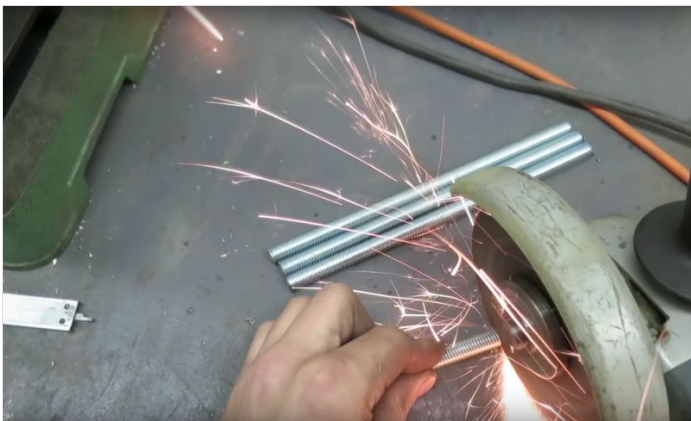


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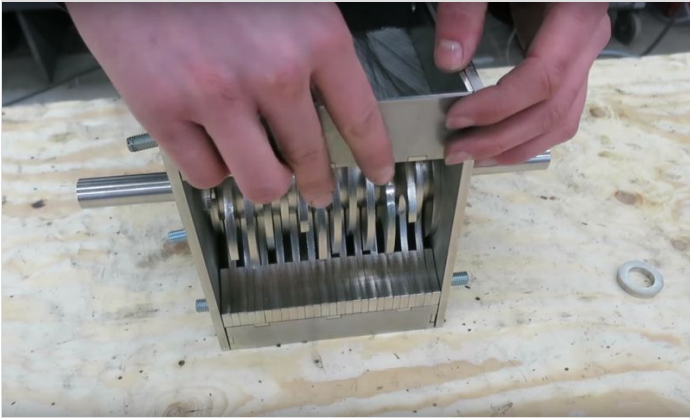
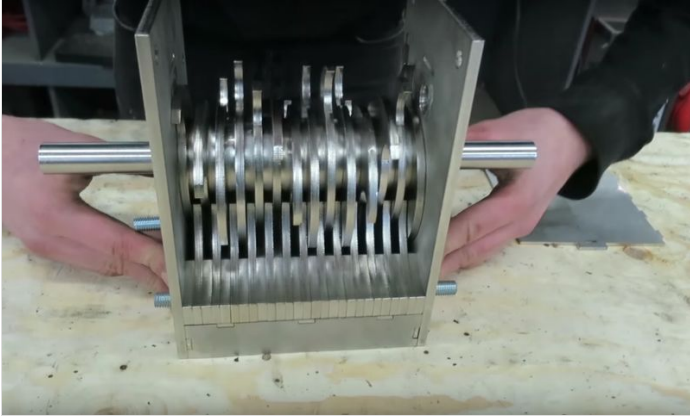
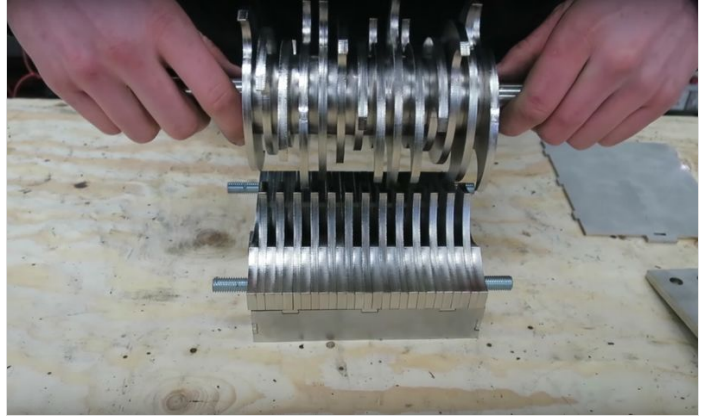
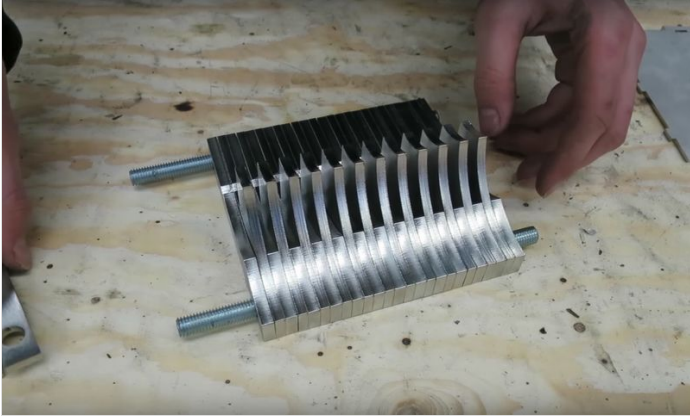


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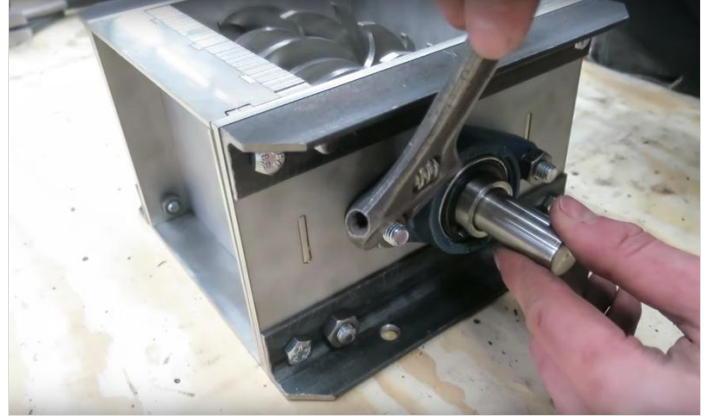
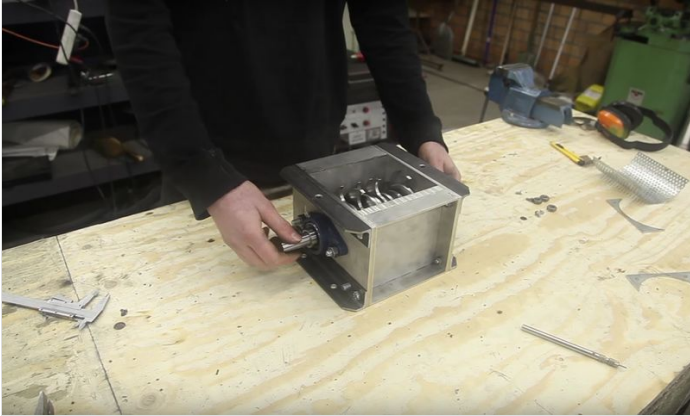
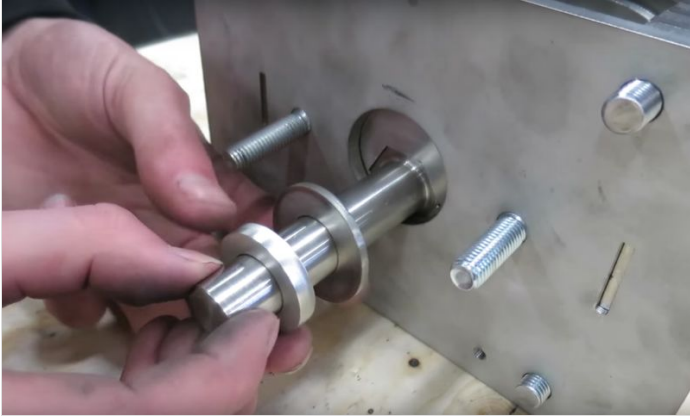
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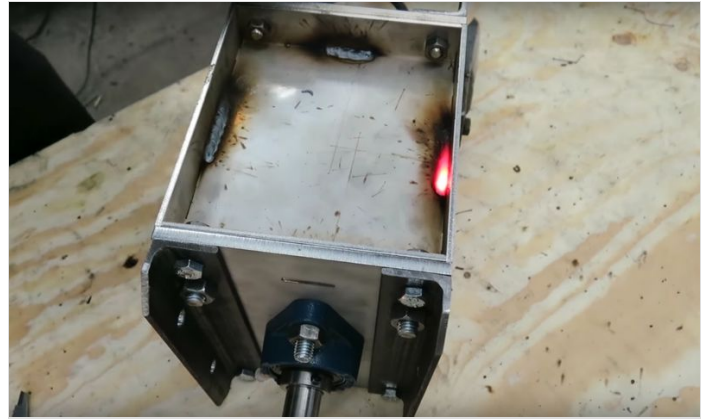
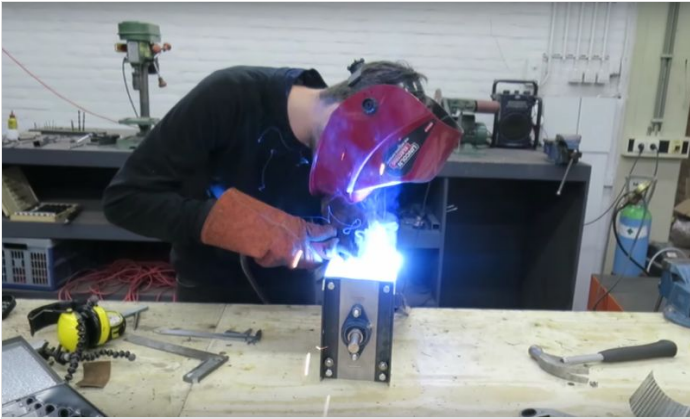
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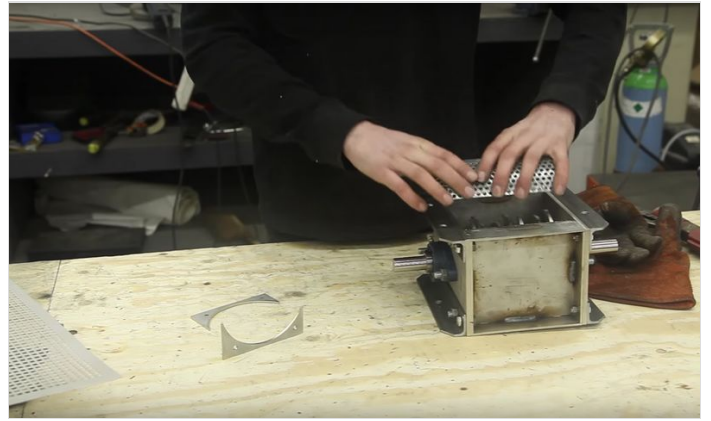
## Step 7 -



## Step 8 -



## Step 9 -



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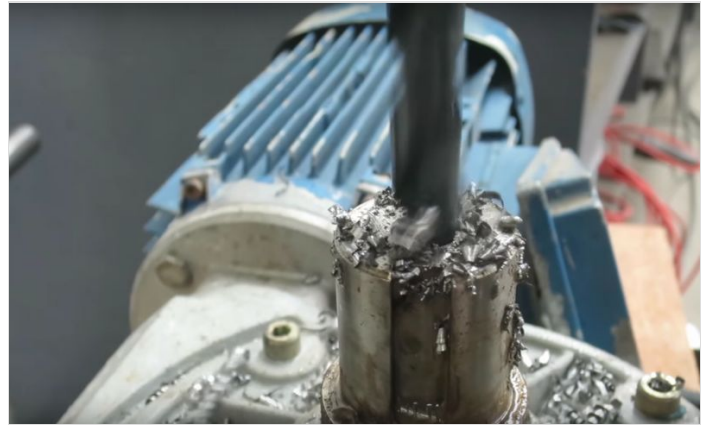
## Step 10 - Test it!

Everything should work smoothly.

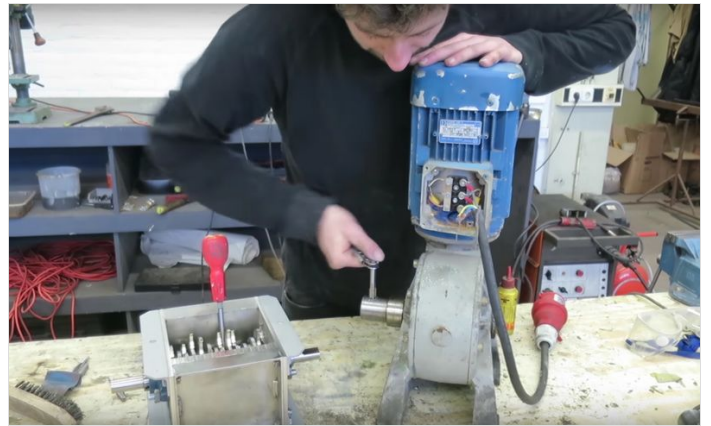
Take your time to build it. It shouldn't make any noise while turning.



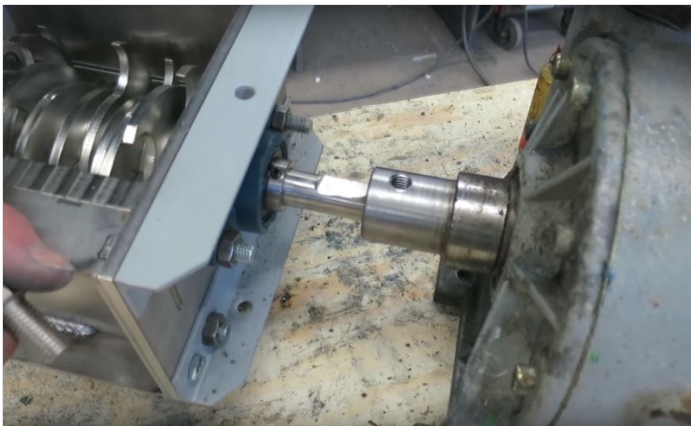
## Step 11 -



## Step 12 -



## Step 13 -



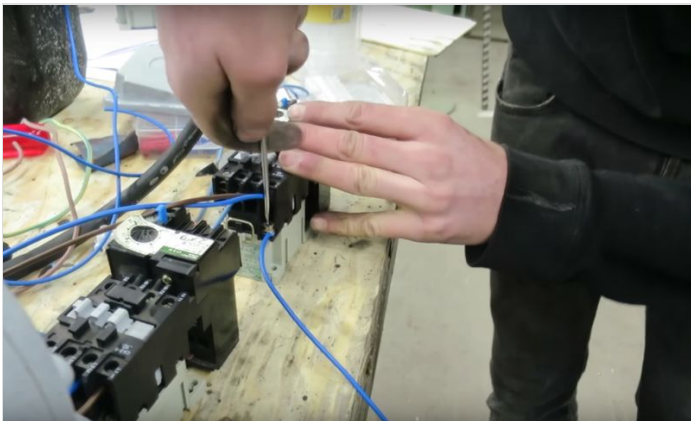
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Step 14 -



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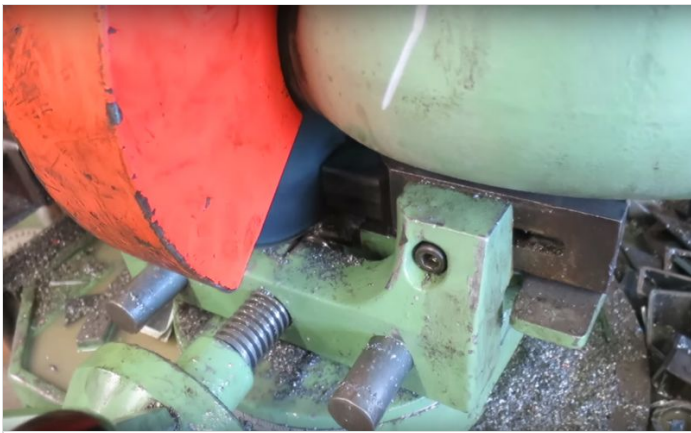
Step 15 -



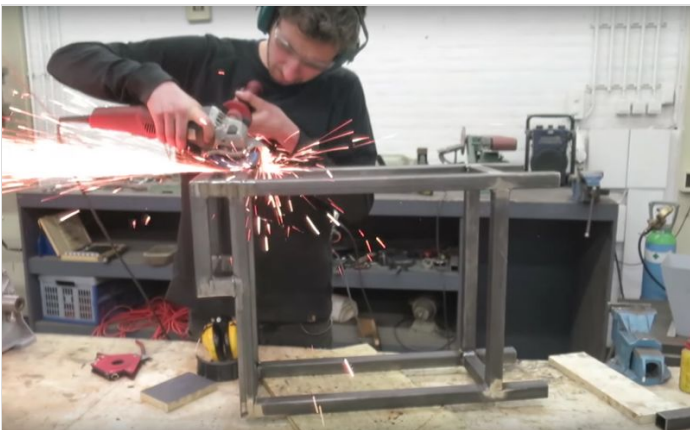
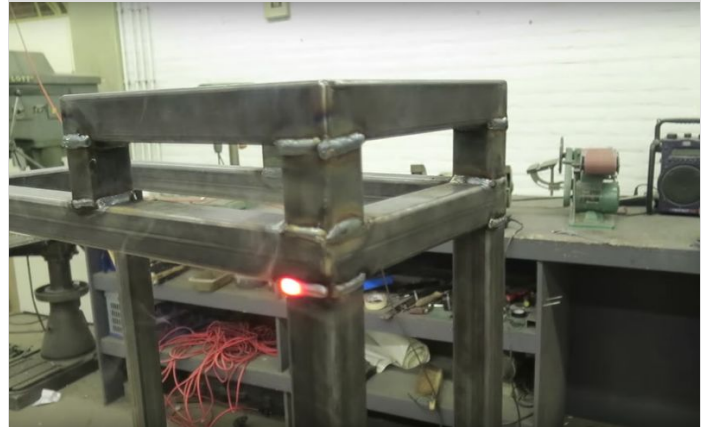
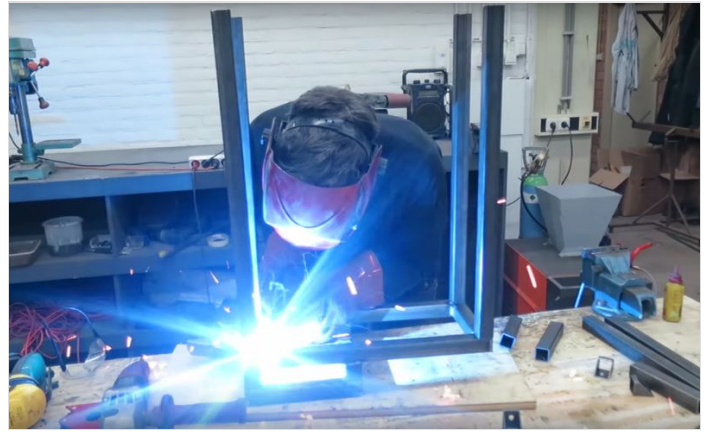
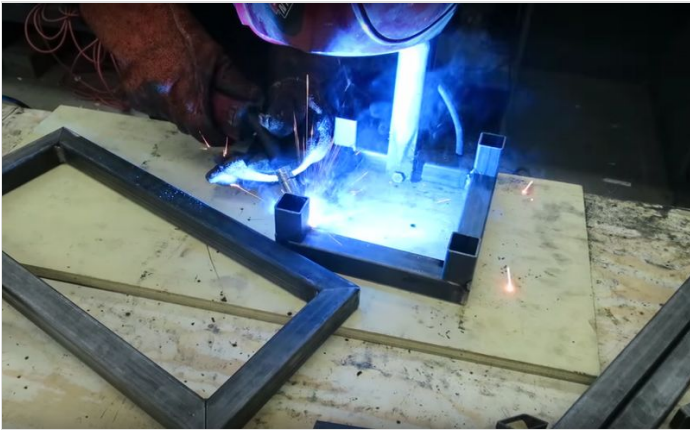
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## Step 17 -

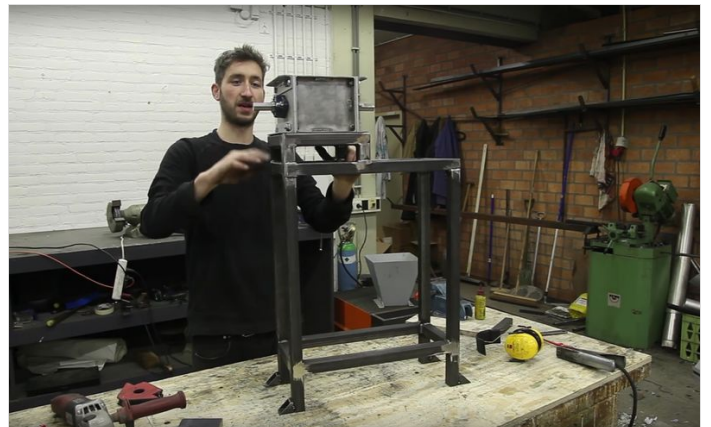


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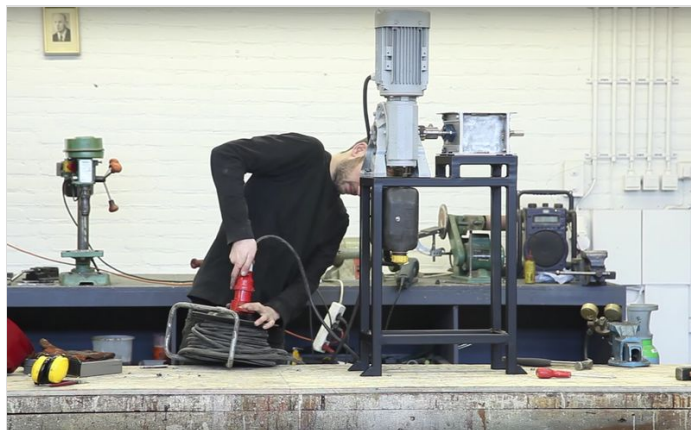
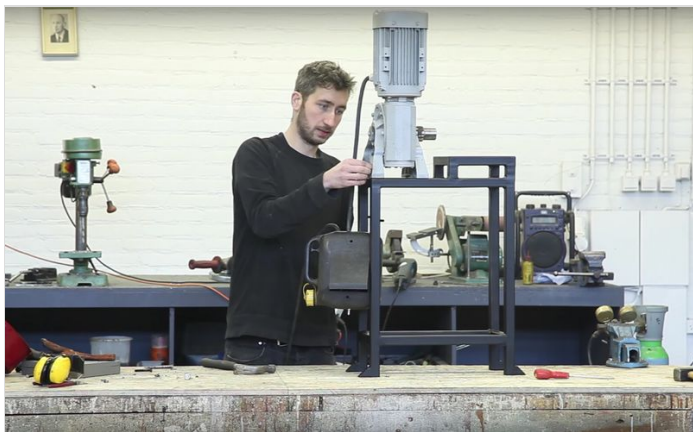


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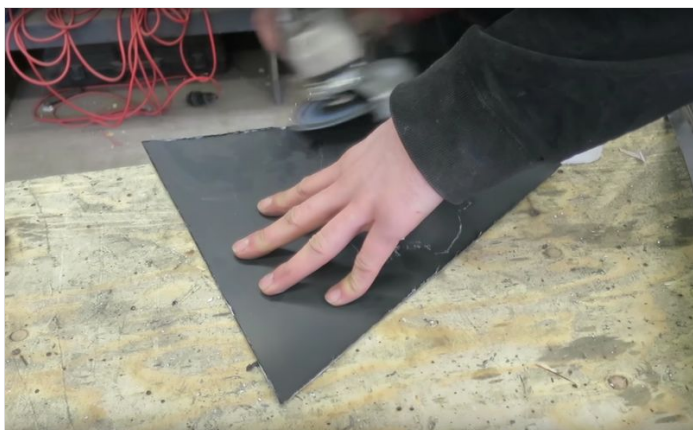
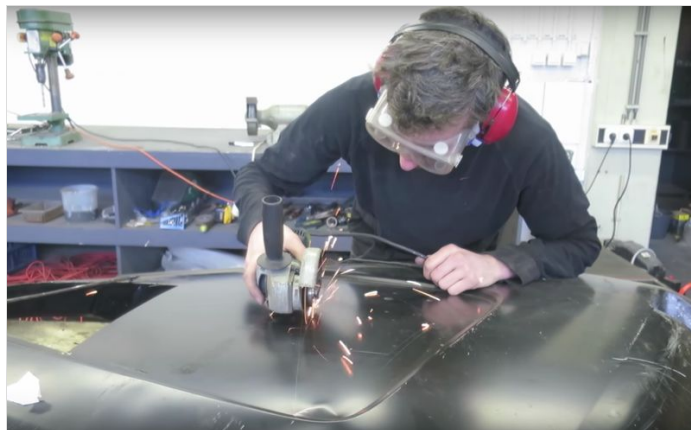
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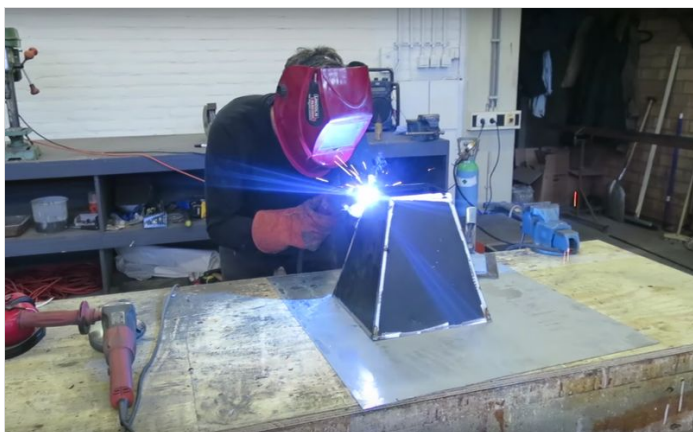
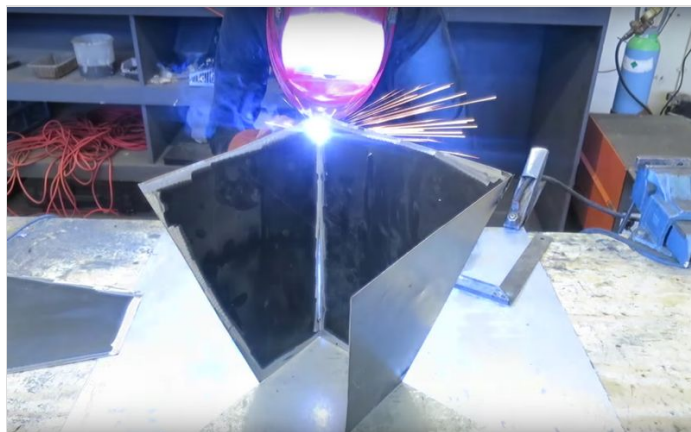
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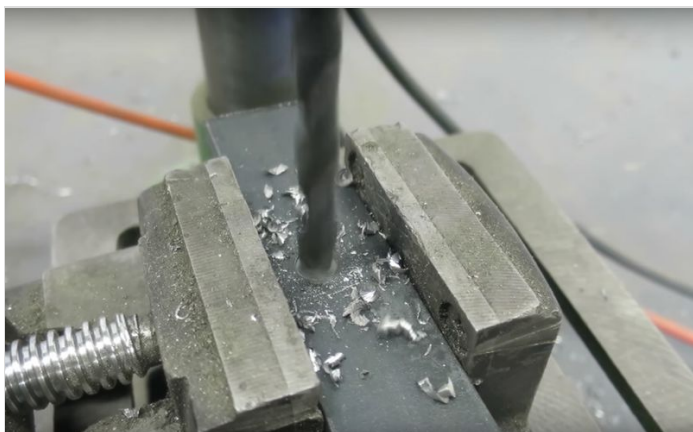
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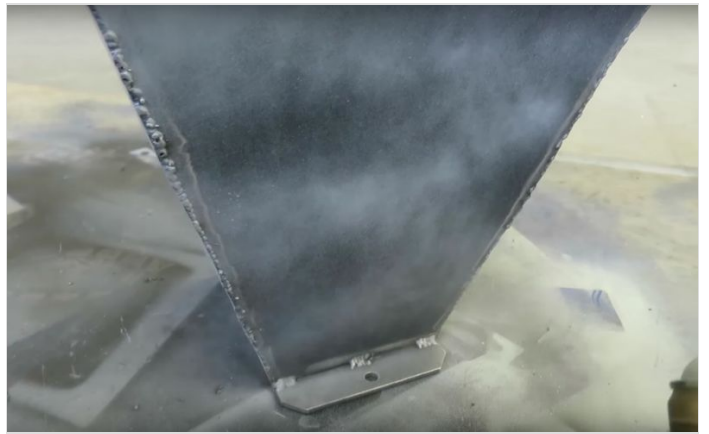
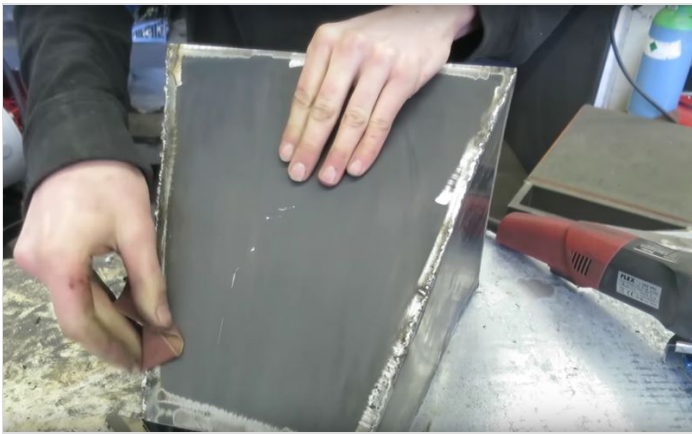
## Step 22 -



## Step 23 -



## Step 24 - Sand and paint the hopper



## Step 25 -

