

Application No. 830: Metal world map as wall decoration

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Invisible wall mounting with 3D effect thanks to magnets



The had the idea for a metal world map when I saw them offered on the Internet. I really liked these maps with 3D effect - the prices less so. So I decided to start such a project on my own (even though I am not a born handyman).

Creating the map

I used a simplified world map as a template and turned it into a vector file to get definite edge lines.

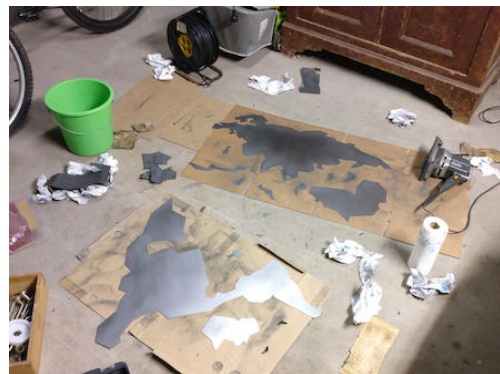
Based on this template, a friend who works in metal processing and I cut out the world map in the desired size.

A (2 mm thin) steel sheet that measured 160 x 80 cm became the 12 elements of my world map.



Refining the map

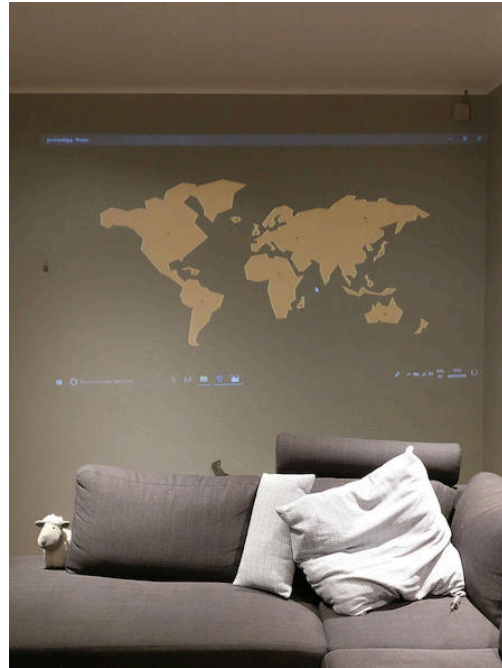
To ensure a smooth surface without scratches or rust, I sanded down all the pieces (120 grit) and coated them with a clear antirust finish.



Preparing to mount

It was impossible to attach mounting brackets to the backside of the map elements that can't be seen in the front. Then I had the idea of hanging up the map with magnets. After a quick Google search, I came across supermagnete.fr and found what I needed right away.

I used a projector to project the picture of my model onto my living room wall to be able to pre-drill the holes for the magnets.



Hanging up the map

I attached screw-on pot magnets (type CSN-25 (www.supermagnete.fr/eng/CSN-25)) with countersunk screws to the wall and used 1 magnet per element. Only for the continents Europe, Asia, and America I used 3 pot magnets each. I used 16 magnets altogether to ensure that the world map won't fall down on me while I watch TV.





Note from the supermagnete team:

Browse our online shop for ways to mark the countries you have visited on the world map:

Articles used

16 x CSN-25: Pot magnet Ø 25 mm with countersunk hole (www.supermagnete.fr/eng/CSN-25)

16 x ZTN-25: Pot magnet Ø 25 mm with counterbore hole (www.supermagnete.fr/eng/ZTN-25)

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