

## Make a globe with your own design! ☺

1. Create a logo acc. to your taste.  
Design in any program you can handle  
(I use PowerPoint with lines, circles,  
balls, curves, text etc.)
2. Convert the logo (or have it converted)  
into a vector graphic (that's what the laser  
cutter understands later) with a graphics  
tool (e.g. CorelDraw).  
The vector graphics draws inner and outer  
lines around all elements which are used  
by the laser cutter.
3. Give the file to a sign maker or graphics shop  
that can cut it into plastic foil.  
The result looks like on the above picture  
with the carrier paper on the back side and  
the transfer foil on the front.



4. Prepare the globe.  
Thoroughly clean the globe that the mask  
sticks well to it.  
Mask a part of the back side to keep the  
Coleman logo on the globe and enable to  
look through and check the mantles when  
the lantern is lit.



5. Carefully peel the carrier  
paper off of the back side.  
Make sure all logo elements  
stick to the transfer foil on  
the front side.



6. Attach the logo to the (properly cleaned) front side of the globe.  
Check for the proper height to attach the logo. (The wide vent on a 228 will pretty much cover most of the upper part of the globe.)

Hold the logo above the globe, align as good as possible and stick it on.  
(One shot only! No corrections!)

Press it firmly onto the globe. Use a soft cloth and rub vertically and horizontally until the paper is totally flat and no bubbles or uneven parts are visible.



7. Peel the transfer foil off of the front side very slowly and carefully. If an element or letter does not properly stick to the globe and starts to come off with the foil then put the foil back a little and rub the part over again.  
Peel off again slowly until the foil is completely off.

Put a thick towel on a flat table, lay the globe flat with the logo on it, roll the globe and press it again from the inside to make the thin parts stick good.



8. If everything is properly done it should look something like this.  
All papers are removed, only the positive logo remains.

When you prepare for blasting make sure you're properly protected.  
Wear respiratory protection and cheap protection goggles (they will get blind over time from the sand spray bouncing back).



9. Now comes the dirty job.  
I blast with sand and blow it right into the backyard (Should help to make the soil a little better drain the water. I hope ;-))

My compressor is not the strongest. I have to make many small breaks to let the pressure recover but that gives me a little time to inspect my work from time to time and check that no lines or other elements have come off and the globe is blasted at an unwanted spot.

I prefer to do this in the sunlight as I can see shiny and matte spots very clearly and know where to go on.



10. The final result will look like this.  
The globe is equally matte all around and there are no clear spots anywhere on the globe.

This guarantees that the contours will come out clean and sharp.



11. Now remove the mask and all elements completely.  
The logo itself will come out clear.

12. After cleaning the globe again one can now see through the clean logo to the back side as well as all details of the logo itself.



13. It's not so easy to take good pictures with the lantern brightly lit but I think one can see that the pattern came out nice. ☺  
Good luck with your globe. Erwin.

