

DODEX

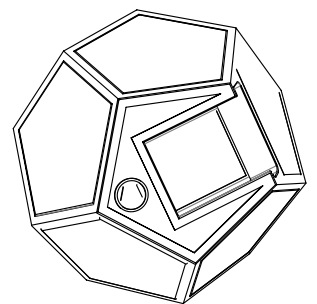
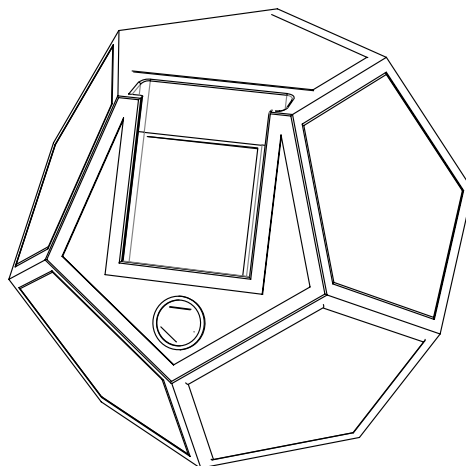
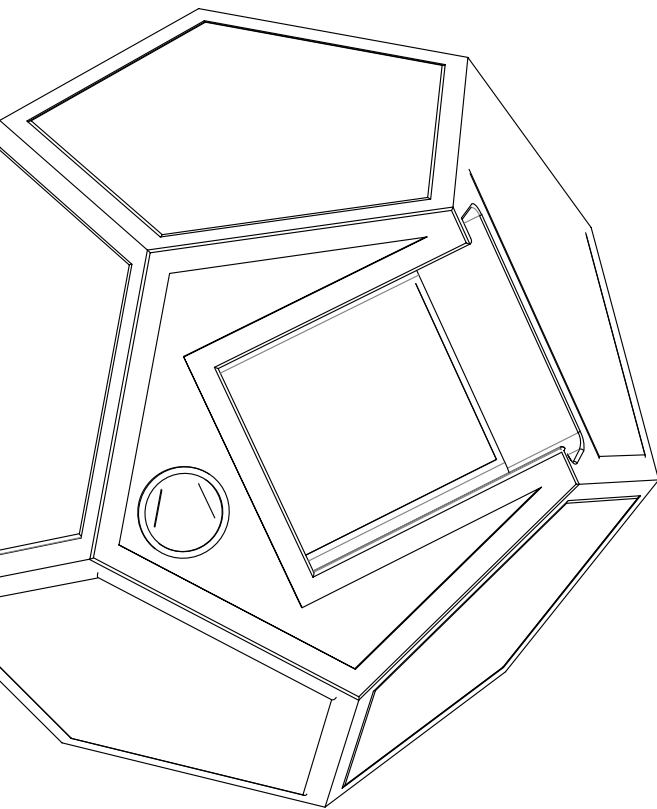
iPod Speaker

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Using vector based graphics it enables you to produce a detailed illustration to effectively communicate complicated shapes and objects to the viewer.

As vectors are based on mathematical equations this intern results in graphics that can be endlessly magnified without any image quality loss.

Dodex iPod dock is a speaker docking system which consists of a pentagon dodecahedron frame made of a flexible strong plastic, housing a suspended speaker system. This has been designed to allow the dock to be rolled to skip through tracks creating a 4th dimension to the user's experience.



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Tools used

Importing files directly from a solidworks I used a DXF file, as illustrator files with CS3 were having complications. I found this created a highly detailed vector graphic.

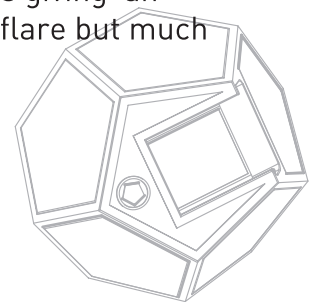
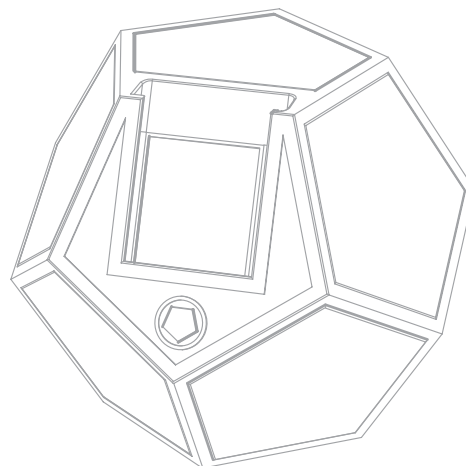
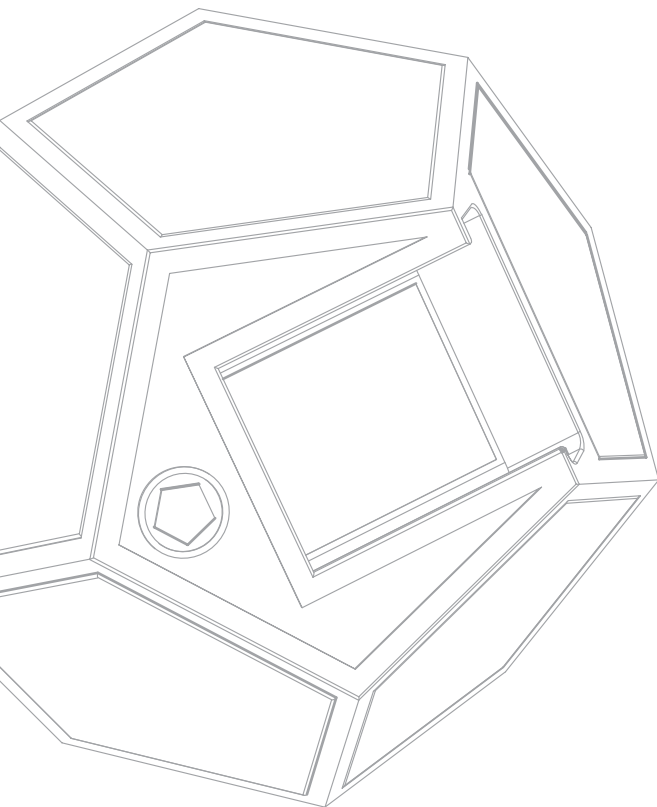
Next step was to separate the lines into two layers enabling quick line weight changing.

Using illustrator I used fill tool to place all the solid colour.

To add detail I placed a style over the speaker mesh on a separate layer allowing for the base colour to be seen through.

Following this, highlights were added to create more depth in the illustration.

To do this, I duplicated lines and turned them to white. Then to add a convincing touch I placed a number of circles on highlight edges giving an enhanced reflection similar to lens flare but much more subtle.



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Finally, to illustrate a section view, as the.ai files were not working and DXF did not recognise the section cut out . I exported two files and merged them. One a DXF with most of the detail in vectors and one as a PDF where I then had to live trace and group the two layers. This resulted in more work but a similar effect.

As I used a style on the speaker grill which already had a scale assigned to it I saved both images as PDF and placed them on the final poster A3 page. This allowed the images to be scaled as required without line weight or styles scale issues.

Max Hunt

