



UPDATED: Daffodil Flower & Stem (3d scanned real flower)



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Summary

A 3D scanned real Daffodil - ready for 3d printing

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UPDATE: Uploaded new versions - Daffodil now split into two parts (Flower & Stem) for easier multicolour printing. Also provided a long stem version. Split version has a peg for connecting together - but will likely need some glue for a secure connection. Full details below

A 3D scanned real Daffodil - ready for 3d printing

Scanned a real world daffodil with a revopoint Pop3, then repaired the scan and thickened it in meshmixer and then printed on my P1P. I've then done further work in meshmixer to split the model, add connector peg and make a longer stemmed version.

I've painted the model in bambu studio in 2 colours - but looks great in one colour too.

Pictured print printed in bambu PLA - yellow & mistletoe green

4 model files attached:

-Daffodil with short stem - the original scanned flower all as one solid part

-Daffodil Flower split with peg & Daffodil short stem split with peg - the original model but with the flower and stem split into separate parts. Connector peg added to help connect

-Daffodil long stem split with peg - as above but with the stem extended to approx 20cm

2 Print profiles provided by me:

-Solid Daffodil (short stem) - The original model, painted for ams with 2 colours. Print profile is printed at 0.2mm layer height, you can increase this if you'd like higher quality but beware it significantly increases flushed filament if doing multicolour.

-Split Daffodil (short and long stem) - 3 print plates. One has both the short and long stem options as separate parts (select the one you want). The two other print plates have the flower as a separate part in two different orientations. The 1st (facing up) is easier to print but has a lot of support scarring on the back surface of the flower. The 2nd is difficult to print if you have poor adhesion, better quality overall but some support marks on the more visible front of the flower. I'd recommend first option. As the parts are now separate - much easier to print in different colours, which also mean I can decrease layer height to 0.12mm for better quality

If you print the split model - part should hold together with just the peg (0.3mm tolerance on the hole) - but to be sure I'd recommend a small amount of super glue between the two parts.

Hope people like it, and as always, any feedback welcome. If popular I may scan some more daffodil's and other flowers. Sorry for the delay in uploading the new versions - I had to improve my meshmixer skills first!

Model files

daffodil-with-short-stem.3mf



daffodil-short-stem-split-with-peg.3mf



daffodil-long-stem-split-with-peg.3mf



daffodil-flower-split-with-peg.3mf

daffodil-split-with-peglong-stem-printplate.3mf

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