Five-Storied Pagoda (Yasaka, Kyoto) (Asakusa, Tokyo, Japan)

MiniWorld3D

VIEW IN BROWSER

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Summary

Detailed model of a pagoda in the Senso-ji temple, updated version 2024. No supports, pre-painted MMU/AMS 3mf.

World & Scans > Architecture & Urbanism

Tags: chinese tower architecture building 5 temple miniworld landmark miniworld3d five japan japanese china monument korea korean asian torre asia story tokyo pagoda kyoto asakusa kaminarimon sensoji hozomon japanesearchitecture storied

!
Welcome to Tokyo!

Celebrate Ten Years of MiniWorld3D with an update to one of our first models.

Check out other models in this same location, like Kaminarimon and Hozomon.

⚠ **- - Please read the Print Instructions further below - -** ⚠

The Five-Storied Pagoda (　　) is a wooden tower located in the grounds of the Buddhist & Shinto religious buildings in the Asakusa area of Tokyo.

This model can also work as the Yasaka pagoda in Kyoto, if printed in brown and grey.

Dany Sánchez, MiniWorld3D founder and author of this model, visited Sensō-ji in 2015 and then published printable miniatures of the whole temple complex. Nine years later, this early model has received the Ten Anniversary treatment and has been **updated with enhanced details and optimization!** It can be printed large or in resin perfectly, and even in colors with MMU/AMS. The original, simpler version is here.

About the building:

The Five-Storied Pagoda in Sensō-ji (Asakusa, Tokyo) is similar to many other pagodas across Japan. It is built entirely of wood, and has the same details and colors as the surrounding buildings, such as Hozomon, Kaminarimon, and the Kannon Hall itself (main building). (from Wikipedia).

MiniWorld3D is happy to bring this model to life as a homage to all the people of Japan. This model was originally designed from scratch in parametric software and updated in Tinkercad. Please give credit, it's all about spreading culture and education!

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MiniWorld 3D is a collective of 60+ artists creating the best library of 3D printable models of landmarks of the world to spread culture and education!

Modeled by Dany Sánchez.

Credits: real location and print photos by Dany Sánchez in Prusa MK4 and BambuLab X1 Carbon AMS. BambuLab matte red and white PLA, Amolen concrete grey PLA. Hand-painted details with acrylics and markers.

---PRINT INSTRUCTIONS --------

- **No supports.**
- **Lay the flat side of all parts on the print bed**. The “red roofs” parts must be rotated 90 degrees so that the flat side is on the print plate.
- **Glue** is necessary after printing for a permanent assembly. The split in so many parts allows for printing without supports and less color waste.
- Sand lightly to flatten if the surfaces are not perfectly flat to each other.
- At 1:1 or 100% scale, the object is it is quite small because it will fit with the larger assembly of the whole temple complex. Scale to 300% or more for standalone use, especially to showcase the full details and if using colors.
- “0-pagoda” is the ground, it can be done with MMU/AMS or with pause-and-color change.
- All “pagoda” and “red-roof” named files have the same height as their similar ones, so all changes with MMU/AMS are optimal, it's like cloning the same file to take advantage of the color changes. However, please note that each file is different (they vary in size, window details, and a number for easy assembly) so just cloning one won't be as accurate.
- All “grey-roofs” can also be done with pause-and-color change, in other words, the color changes by layer, not strictly “mutlimaterial” on the same layers.
- NOTE: in the assembly photos, the “red-roofs” parts are the “4” part repeated and scaled according to each other floor's measurements. They measure exactly the same on the Z axis to optimize MMU/AMS changes. They are labeled correctly with marker in the photos (1, 2, 3, 4, 5).

Suggested parameters:
Fine-tune retraction to avoid stringing.
Perimeters: 2
Top layers: 3
Infill: as low as 15%, lightning pattern ok.

Input shaper ok.

.3mf file with pre-painted colors is provided, for use in **MMU / AMS**

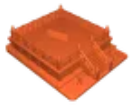
----ASSEMBLY INSTRUCTIONS ----------

- All parts have been numbered according to which part goes in contact with it.

- Grey roofs have two numbers, the one underneath connects with the same number of the “red roof” and the one above with the next “pagoda” part.
- Start with “0-pagoda”, then “1-pagoda” into the triangular peg. After this, the sequence for all stories is the same:
    - pagoda > red roof > grey roof
- At the very end, the last grey roof has the golden spire, which has two options:
  a) easy, no hassle version, prints at once but with less detali
  b) detailed version, has a spire part that prints flat and must be glued after

Model files

Multi-part assembly 18 files



0-pagoda.stl

Ground and foundation

1-pagoda.stl

1-roof-red.stl

1-roof-grey.stl

2-pagoda.stl

2-roof-red.stl

2-roof-grey.stl

3-pagoda.stl

3-roof-red.stl

3-roof-grey.stl

4-pagoda.stl

4-roof-red.stl

4-roof-grey.stl

5-pagoda.stl

5-roof-red.stl

5-roof-grey-detailed.stl

insert spire detailed

5-spire-detailed.stl

Prints flat, must be glued after

5-roof-grey-easy.stl

easy alternative with no hassle

pagoda-whole-reference-only.stl

This would need supports that would be hard to remove without damage

375-pagoda-ams-mmu.3mf

pre-painted pagoda parts in Bambu Studio

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