

Giant Mosquito

Print and assembly guide



22 parts

3 colours

single-colour printer

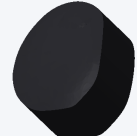
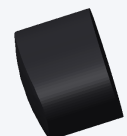
Designed with ChatGPT and Tripo · printed on a Bambu Lab A1 · split and keyed with [ModelSplitter.com](https://modelsplitter.com)

Free to print for yourself. If you make one, I'd love to see a photo.

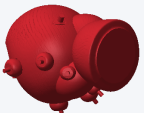
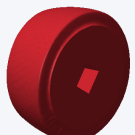
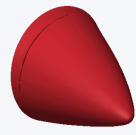
What's in the folder

Each file name says which part it is. Left and right are as the mosquito sees them.

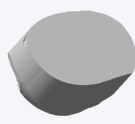
■ Black × 14

 Head head.stl 132 × 142 × 122 mm	 Sucker sucker.stl 136 × 30 × 146 mm	 Left antenna Left-Anteni.stl 136 × 52 × 100 mm	 Right antenna RIght-Anteni.stl 139 × 34 × 64 mm	 Left pupil Left-Pupil.stl 23 × 18 × 28 mm	 Right pupil Right-Pupil.stl 21 × 22 × 24 mm	 Front left leg Leg-Front-Left.stl 115 × 89 × 212 mm
 Front right leg Leg-Front-Right.stl 134 × 83 × 193 mm	 Middle left leg Leg-Middle-Left.stl 36 × 141 × 202 mm	 Middle right leg Leg-Middle-Right.stl 54 × 145 × 188 mm	 Rear left leg Leg-Rear-Left.stl 163 × 135 × 185 mm	 Rear right leg Leg-Rear-Right.stl 169 × 142 × 181 mm	 Tail 4 Tail-Black-4.stl 98 × 121 × 127 mm	 Tail 2 Tail-Black-2.stl 76 × 88 × 90 mm

■ Red × 4

 Body Body.stl 185 × 139 × 140 mm	 Tail 5 (next to body) Tail-Red-5.stl 90 × 118 × 118 mm	 Tail 3 Tail-Red-3.stl 90 × 112 × 116 mm	 Tail 1 (tip) Tail-Red-1.stl 63 × 59 × 70 mm
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□ White × 4

 Left eye Left-eye.stl 67 × 57 × 58 mm	 Right eye Right-Eye.stl 55 × 69 × 53 mm	 Left wing Wing-Left.stl 210 × 91 × 201 mm	 Right wing Wing-Right.stl 205 × 94 × 211 mm
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How I printed it

Printer	Bambu Lab A1, 0.6 mm nozzle
Layer height	0.3 mm
Material	PLA in black, red and white
Body	4 walls, 25% grid infill, no supports
Wings	4 walls, 5% infill, tree supports
Tail	2 walls, 5% infill, tree supports
Brim	Auto



A 0.4 mm nozzle works too, it just takes longer. Lay each part on its flattest face; the cut faces are flat and print well on the bed.

Putting it together

- 1 Pupils into eyes**
Press each black pupil into its white eye. They were cut with ModelSplitter's Inlay cut, with a 0.2 mm gap, so they push in snugly.
- 2 Eyes into the head**
Press the eyes into their pockets in the head.
- 3 Sucker and antennae**
Fit the sucker to the front of the head and the two antennae on top.
- 4 Head onto the body**
The key on the joint only lets it go one way.
- 5 Legs and wings**
Fit the six legs and two wings to the body. The file names tell you which side each one goes.
- 6 The tail**
The square keys lock each section in line. From the body: Tail 5 (red), 4 (black), 3 (red), 2 (black), then the tip, Tail 1 (red).



The keys line everything up. A drop of superglue makes the bigger joints permanent; add one to the eyes too if yours are loose.

Split your own models like this

Every part of this mosquito was cut, keyed and made print-ready in ModelSplitter.



Any model, any size

Miniatures, cosplay props, figures and AI-made models. Cut off limbs, split heads and bodies, or make a big print fit your bed.

Keys and pins built in

Every cut gets a key so parts line up and only go together one way.

Inlay cut

Draw round an eye, a gem or a badge and pop it out to print in another colour, on a single-colour printer. That's how these eyes were made.

Free in your browser

Nothing to install. In English, Thai, French, German and Spanish.

Try it free at

modelsplitter.com

ModelSplitter Pro is coming to Kickstarter

Early Bird: £25 instead of £49, for the first 50 backers. Follow the project to be told the moment it opens:

kickstarter.com/projects/modelsplitter/modelsplitter