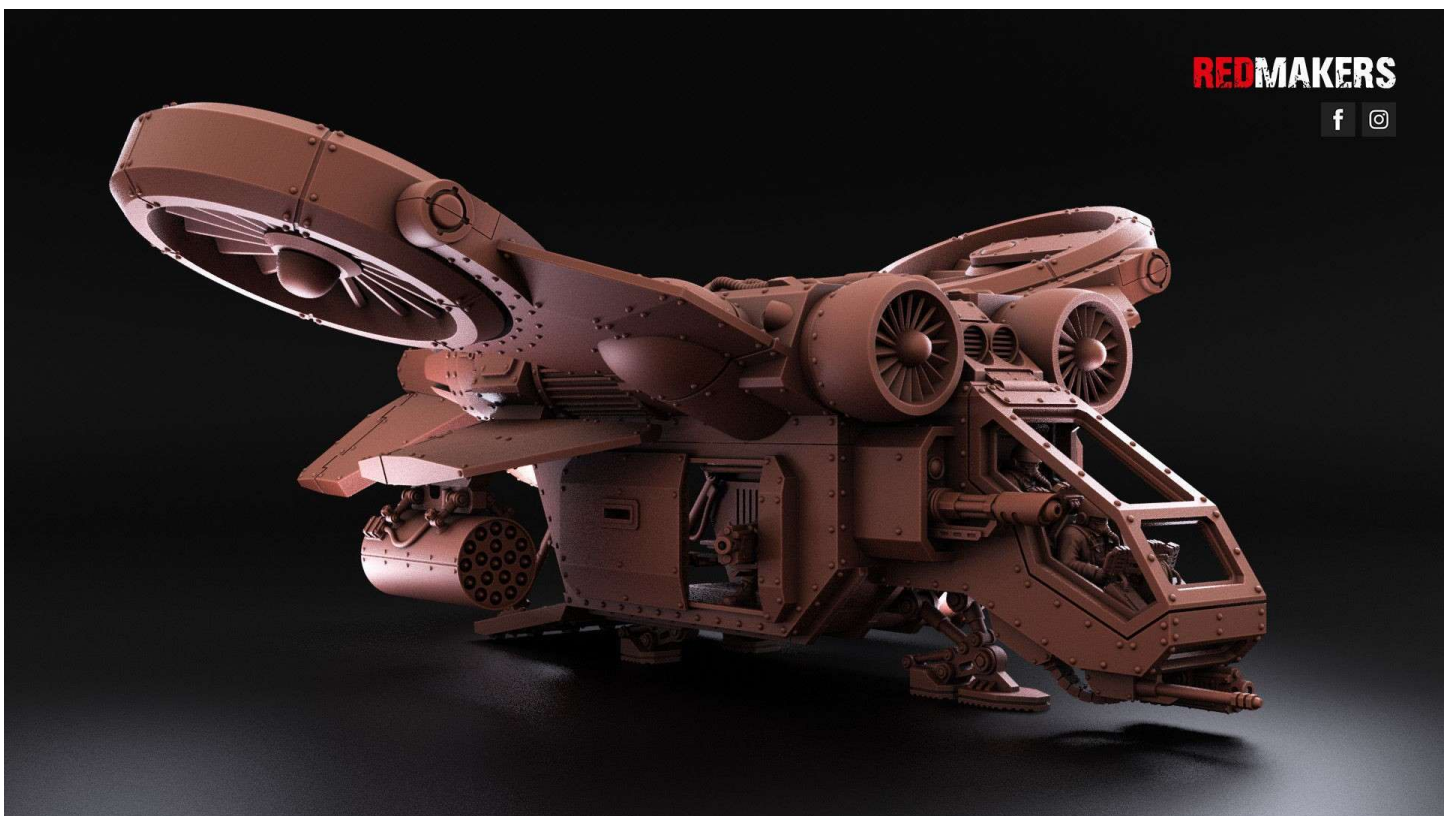


My Balsa & Glass Workshop

Imperial Force Utility Aircraft 3D Print/Assembly Description

As of 14 July 2026

With the completion of the Dark Techno Odonatopter Gunship for our Grandson August (Gus), the next item I wanted to add to his collection was another flying craft. So, I went back to cgtrader.com to see what other models they might have in a similar collection. As shown in the image below, I found an interesting model of another aircraft that was modeled by "redmakers." All STL 3D files needed to print and build this model can be purchased from the cgtrader.com Imperial Force Utility Aircraft (IFUA) webpage. (<https://www.cgtrader.com/3d-print-models/miniatures/sci-fi/utility-aircraft-imperial-force>)



Source of Image: cgtrader <https://www.cgtrader.com/>.

This multi-part kit contains all you need to build a flying vehicle for the Imperial Force army. All model STL files downloaded are scaled for 28mm tabletop gaming. Therefore, to match the scale of the other models in his collection I needed to **scale all the models' parts by 150%**. This kit comes with various options:

Multiple cockpit versions, with/without crew members, and with glass/armored windows.

Tilting and rotating hover fans.

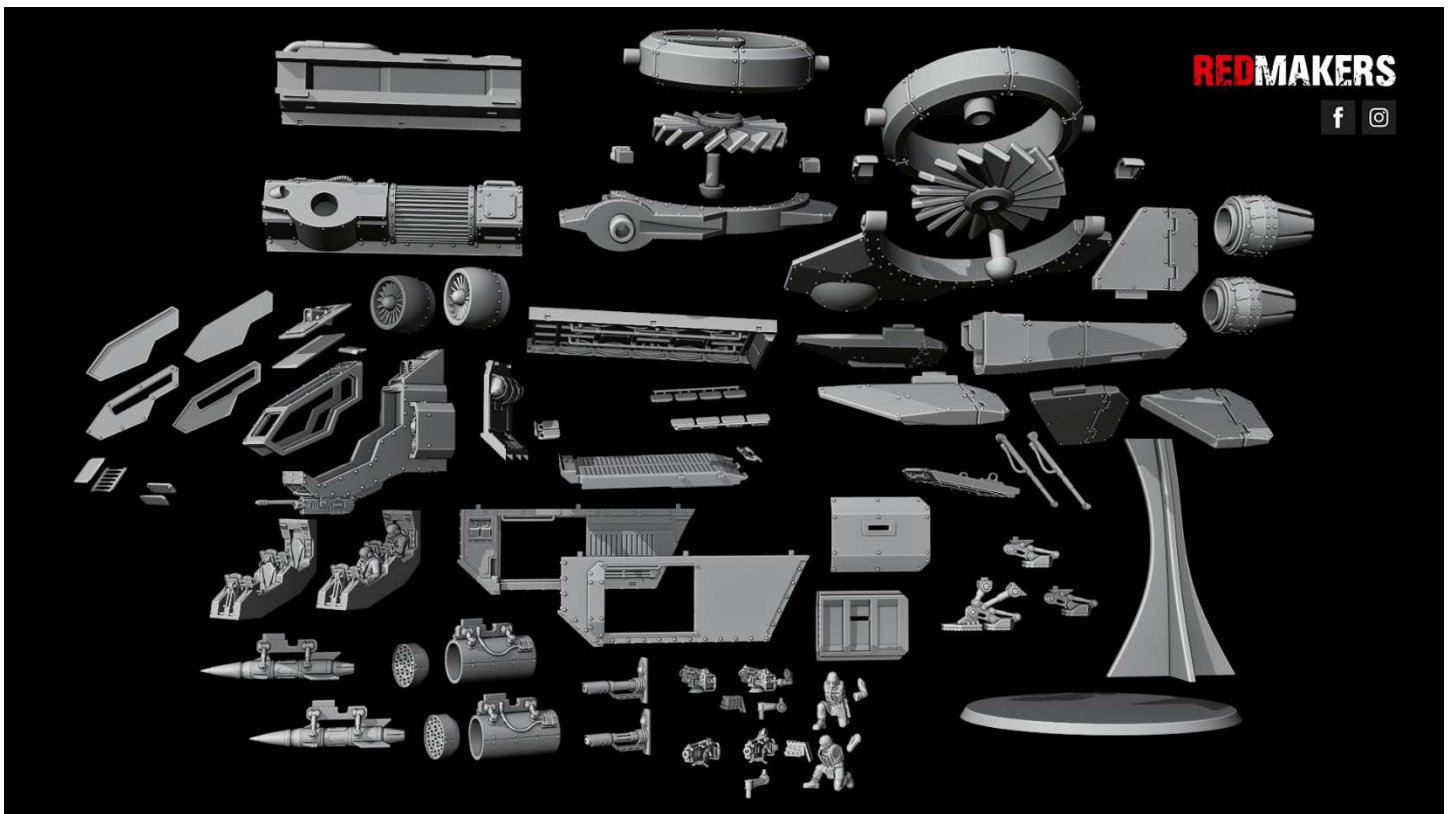
Sliding hull side doors and an opening hull back entry ramp.

Multiple weapons options (missile launcher pods, larger missiles, laser cannon, multi-laser).

Doors on each side of hull with/without gunner crews.

Model can be mounted on top of a stand with STL files provided.

All the STL files contained in the online download purchase to make the various model parts can be seen in the next image below. I double checked to ensure the largest parts, once enlarged by 150%, would fit within the 220x220mm boundaries of my Creality Ender-3 V3 build table. I elected to go with a door gunner on each side of the hull interior, a cockpit with crew members and open glass windows, and missile launcher pods hanging from weapon stations under each wing. Using the Creality Print 0.4mm nozzle and 0.15mm layer height slicer settings profile I established earlier to print the Odonatopter Gunship in Gus's collection; I started printing selected parts using **Black** Creality CR-PETG.



Source of Image: cgtrader <https://www.cgtrader.com/>.

After **TBD hours** of 3D printing using **TBD grams** of filament, all **Black** Gunship model 3D parts are shown in the next image below.

Image coming soon!!

Next, I swapped out the filament spool for some **Gray** Creality CR-PLA. Using this filament and the same slicer profile settings, I started 3D printing various selected parts (cockpit with crew, door gunners with Heavy Bolter guns, missile launcher pods, hover fan blades, etc.) I wanted in the **Gray** color.