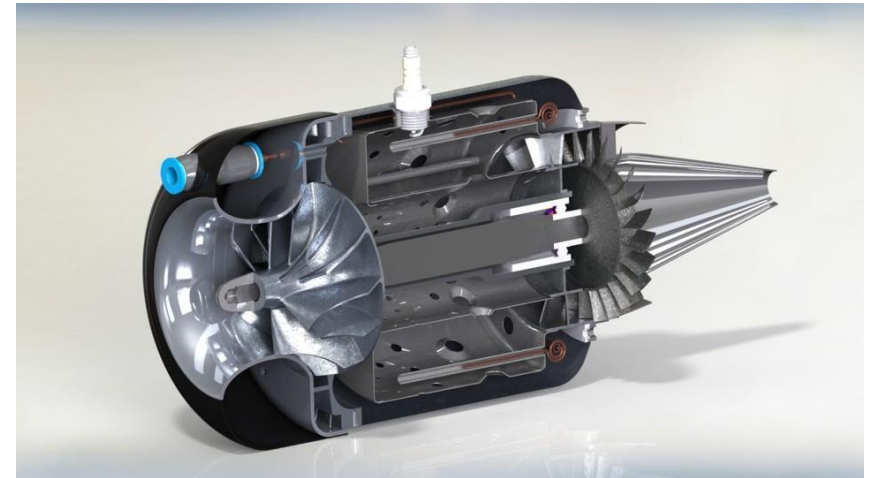
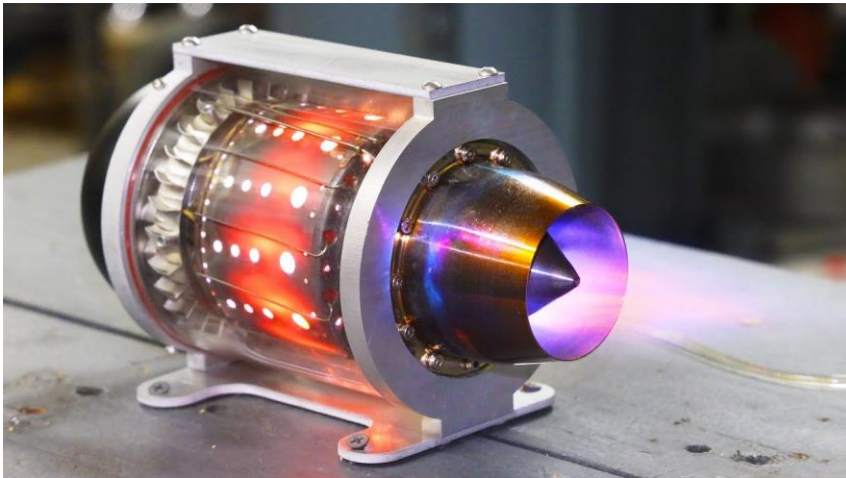


Micro-Turbo Jet Engine

The development of turbojet engine technology has continued to evolve and improve over the years, with ongoing research and advancements in materials, manufacturing techniques, and design.

A micro jet engine, also known as a micro gas turbine engine, is a small gas turbine engine that is typically used to power small unmanned aerial vehicles (UAVs), model aircraft, or other small-scale applications. These engines typically have a power output of less than 50kW and are designed to be lightweight and compact, with a simple and reliable design.



We are undertaking the development of a micro turbo jet engine with reference to the KJ-66 micro jet engine. We have meticulously gathered all necessary resources, including drawings of components and engines, dimensions, and assembly manuals. Additionally, we have completed the CAD files of the components required for this project. We are enthusiastic about this undertaking and are committed to complete this project.

Components and Material:-

1. Combustion Chamber(Inconel 600 Sheet/SS 310)
2. Compressor wheel/inlet impeller(Al/Al alloy)
3. Shaft(Tool Steel)
4. Turbine Disk/outlet impeller(Inconel 713)
5. Fuel Injectors(Stainless steel tubes)
6. Intake nozzle/front cover(Soft grade Al sheet)

It is anticipated that the overall dimensions of the jet engine will measure 24cm in length and 11.1cm in diameter. All the dimensions of the components required for this project are available in CAD files.

We have set an expectation for the engine to deliver a thrust of approximately 14 kg. However, we acknowledge that the actual thrust output may vary depending on the accuracy in manufacturing of components and the possibility of human errors during the manufacturing or assembling processes.

To manufacture the parts required for this project, we will require machines such as a Lathe, Micro EDM, CNC Machine, and Metal 3D printer.



Actually, we require additional assistance and guidance in certain aspects of the project that we are currently undertaking, which we have been unable to resolve on our own. Additionally, it has become apparent that we may not possess the financial resources necessary to manufacture all of the required components for the project.

We understand that these challenges may impact our timeline and require us to adjust our approach to the project. However, we remain fully committed to its success and are actively seeking out all available options to overcome these obstacles.

We thank you for considering our proposal, and look forward to the opportunity to bring this project to fruition. We are confident that with your support we will bring this project into physical.