



## Second Laureate Research & Development

- ◆ **Project title:** 30 mm aircraft Gun
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### Abstract:

30 mm aircraft gun is a high-tech weapon system which is mounted on a type of fighter for the destruction of the enemy's air and ground targets etc.

Having 30mm caliber, this weapon system is a very light weight (50 kg), a max range of 4000 meters and a very high rate of fire of about 1500 – 1800 rpm which, to the best of our knowledge, is the highest rate of fire from a single barrel.

Unlike other weapon systems, the barrel and breech block of this weapon system have a 100 mm recoil and recuperation movement which requires precise coordination and timing of the gun parts and assemblies.

Due to the very high rate of fire of the gun and overheating of the barrel, a water tank has been provided to cool the barrel.

This water tank is mounted on the barrel chamber.

This weapon has been manufactured by reverse engineering process and is now being mass produced.

30mm aircraft gun can also be used on the ground as an anti-aircraft gun and against air targets flying at low altitudes.

The ammunition for the gun and its relevant belt are also manufactured.

