125mm Gauss Cannon

First fielded in YE 34, Origin Industries' 125mm Gauss cannon is a typically vehicle-mounted, heavy anti-armor and anti-mcha weapon designed for general use.

About the 125mm Gauss Cannon

The 125mm Gauss Cannon was designed to be a heavy hitting weapon for heavy vehicles and Mecha. It is an improved version of the now defunct Paragon's HCS2 125mm Coilgun, which has been redesigned with better durability and reliability, as well as ease of maintenance.

Nomenclature Information

- Designer: Origin Defense Manufacturing
- Manufacturer: Origin Defense Manufacturing
- Name: 125mm Gauss Cannon
- Nomenclature: OI-K1-3400
- Type: Gauss cannon
- Role: Medium to heavy anti-armor
- Length: 5 meters
- Mass: 2,000 lbs, 900 kg

Appearance

The Normal appearance of the 125mm Gauss Cannon is a long, heavily reinforced tube which has another, thicker tube surrounding it containing the Gauss coils. This weapon can also be housed within a lightly armored protective housing for use with Mecha as a mounted weapon. Additionally, it can be modified with its own power source as well as a grip and trigger system for use as a handheld sniper rifle for Mecha.

Discharge Information

- Muzzle Flash: Little to no muzzle flash, occasionally tiny golden sparks will come out with the round and dissipate almost immediately.
- Retort: In atmosphere, there is an extremely loud, sharp crack when the weapon is fired.
- **Projectile Appearance:** The Projectile is a round or pointed nose projectile, usually black. it is invisible to the naked eye when fired.
- Effective Range 30,000 km in space[1], 10 km in atmosphere
- Rate of Fire: Up to 12 rounds per minute
- Recoil: Medium-High[2]

Ammunition

The 125mm Gauss Cannon fires 125x900mm Projectiles.

- Ammunition[125x900mm Gauss rounds](#)
- **Purpose:** API-DS: Tier 8, HEAT-FG: Tier 7[3], HE-P Tier 9

125×900 MM Damage Quickchart	
(Type)	**Purpose**
Armor Piercing Incendiary-Discarding Sabot	Heavy armor piercing, damages shields through kinetic transfer and penetrates armor
High Explosive Anti Tank-Fragmentation	Medium to heavy anti-armor, Overloads shields via explosives and damages armor. fragmentation causes area of effect damage to smaller targets
High Explosive Plasma	Contained plasma charge does damage via explosions and armor ablation, very effective against most materials and shields

Weapon Mechanisms

Information about how the 125mm Gauss cannon functions

- **Firing Mechanism:** A round is loaded into the chamber from the magazine and then pushed forward into the Gauss coils, which propel the round forward at high fractions of the speed of light. The coils and rails must be allowed to cool for several seconds before another round can be inserted, re-starting the cycle.
- **Loading:** The 125mm Gauss Cannon is fed via a simple six-round Box magazine But can be modified to accept a belt-feed or autoloading system depending on how it is mounted.

Other

Pricing

- **125mm Gauss Cannon:** 12,000 KS/Unit

Replaceable Parts and Components

- **Barrel Assembly:** 10,000 KS
- **Magazine:** 400 KS
- **Protective casing:** 1000 KS
- **HONEY BURST kit[4]**: 1200 KS
- **Trigger and grip[5]**: 300 KS

Ammunition

Ammunition pricing for the 125mm Gauss Cannon

(Insert Ammo Name) Price Quickchart	
Type	**Price (per 100 rounds)**
API-DS	4000 KS
HEAT-FG	6000 KS
HEP	8000 KS

OOC Notes

Kai created this article on 2018/08/12 10:06.

⬜ This article is a work-in-progress. Is it not currently approved.

Products & Items Database	
Product Categories	weapons
Product Name	125mm Gauss Cannon
Manufacturer	Origin Industries

[1)]
Theoretically unlimited, however it can only targets within 300,000 km

[2)]
While the weapon is hard-mounted, it can be felt recoiling by the vehicle's crew unless mitigated by recoil damping systems

[3)]
Area of effect

[4)]
requires protective casing

[5)]
requires protective casing and HONEY BURST Kit