

## **Cyber Sheath Artifact Outline (1 Page)**

The Steel Dragon Cyber Sheath is suit of power armour commissioned by the private military contractor Steel Dragon Enterprises (SDE) and designed by the British Columbia Institute of Technology (BCIT). After nuclear disasters irradiated several major institutes of technology BCIT was selected by SDE to develop the Cyber Sheath. The original goal of the project was simply to create a manoeuvrable suit of powered battle armour, but the designers ended up not only being able to meet the original project goals but design the suit so it was capable of flight as well. The Cyber Sheath would end up employed by SDE's Dragon Squadron.

Defensively the armour was created by laying artificial spider-silk protein fibres on either side of a scale-suit of inconel alloy, the inside padded with a structured polymer composite and then rubber. The suit is designed to absorb and safely disburse radiation, the suit able to withstand constant high exposure for roughly six hours before being considered too contaminated for further use. The suit's various layers all offer some bullet resistance, the polymer most effective with the suit able to auto-seal damage to it through a deployed adhesive variant of the polymer. In addition to radiation and bullet protection the suit is very good at absorbing low energy impacts, making most conventional hand to hand combat weapons ineffective against it. Internal pistons reduce the wear on human joints and muscles, with a small amount of enforced titanium in the limbs also allowing for seemingly increased strength with less wear on the soldier. The Cyber Sheath is air-tight, allowing for filtration of any breathable substance, including gas and, for a short period of time, water.

For combat purposes the Cyber Sheath is equipped with two shoulder-mounts as well as a tactical bandoleer system that allows for the automatic-feeding of extra ammunition to any weapon the suit-wearer is equipped with. Due to the suit's increased strength and a small bracing port on the forearm a weapon such as an assault rifle can be fired one-handed, the suit's targeting matrix also helping with aim by highlighting known targets. The shoulder-mounts can be equipped to fire grenades or small rockets as well as mounting small automated guns or act as a brace for a larger weapon while still allowing it to be fired one-handed. Wrist-mounts allow for additions such as a tactical bayonet or a wrist launcher capable of firing various payloads. The suit's output per punch and kick is rated at over twice that of a human in peak physical condition. Standard armament for the Cyber Sheath is the Black Arrow .50 calibre assault rifle and Wind Slash 8 gauge semi-automatic shotgun, a tear gas or smoke grenade launcher on the right shoulder and a flash grenade on the left shoulder.

The suit's flight system is powered through a electromagnetic energy battery, the suit's tactical visor and other sections of the armour designed to absorb electromagnetic energy. The energy, absorbed from sunlight, radiation and other sources, ensures the suit's flight and other systems are continuously powered. The primary thrust is generated from three ports on the back, with eight additional ports located on the back of both biceps as the base of both feet, the back of both calves and the back of both thighs. The suit's height and cruising speeds are controlled through voice commands, the suit designed with a manual switch on the neck to disable the helmet's speaker and infrared radio as necessary. A manual function for the suit's flight system to activate is located on the helmet's right side, opposite the radio and speaker controls. Manual control causes the Cyber Sheath to enter its standard hover speed, with more acceleration made available by leaning the body. The suits have a maximum altitude of roughly fifteen kilometres, and a maximum speed of roughly one hundred and fifty kilometres an hour.