

Star Army Pilot Suit, Type 45

The Star Army Type 45 Pilot Suit is a state-of-the-art, high-performance flight suit designed to meet the demanding needs of the [pilots](#) in the [Star Army of Yamatai](#). Combining advanced materials, cutting-edge technology, and a sleek, ergonomic design, the Type 45 Pilot Suit offers unparalleled protection, mobility, and comfort to those who take to the skies in defense of the [Yamatai Star Empire](#).



Price: 2,500 KS (half of this is the helmet) replacement cost. Currently sold only to [Star Army Logistics](#) and must be requisitioned through the supply chain.

History

[Ketsurui Fleet Yards](#) began work on the Star Army Type 45 Pilot Suit in [YE 43](#), as the Star Army sought to update and enhance its pilot equipment to keep pace with the rapidly evolving technology and capabilities of its starships and aerospace fighters. After extensive research, development, and testing, the Type 45 Pilot Suit was officially adopted by the Star Army in [YE 45](#) and has since become the standard-issue flight suit for all pilots across the organization, with variants for non-fully humanoid species, replacing the earlier [Star Army Aerospace Flight Suit, Type 32](#), and was issued in parallel with it as the pilot chose for some time after.

Description

The Type 45 Pilot Suit is crafted from advanced materials that offer exceptional durability, flexibility, and comfort. Its sleek, form-fitting design ensures ease of movement and minimal interference with the pilot's ability to operate their craft effectively. [Omnihue](#) allows for variable-pattern camouflage, livery, and insignia display.




Suit

Functional smart materials such as the [Omnihue](#) used in in both camouflage and environmental life support, and the [Dataweave](#) that powers the sensors and feedback increase the versatility and performance of the suit.

The suit consists of:

- Base [suit](#) with built-in boots
- [Helmet](#)
- Belt and harness
- Torso unit with
 - life support system
 - built-in [Type 42 Communicator/Volumetric Projector](#)
- Optional thigh pouches

Key features of the Type 45 Pilot Suit include:

- Advanced life support systems, including oxygen supply, temperature regulation, and waste management
 - Can connect to [Nodal Liquid Conduit System](#)
- Integrated G-suit technology to counteract the effects of high-G forces on the pilot's body
- [Volumetric Heads-up display](#) ( HUD), providing  [critical flight and mission data](#) directly in the pilot's  [field of vision](#)
 - Compatible with [Kessaku Systems](#), [Origin](#), and [KAIMON/Ascendant^{1\)}](#) computers
- Enhanced communication systems for seamless interaction with fellow pilots, command, and the

starship's onboard AI

- Advanced nanotech fabric that provides superior protection against fire, radiation, and minor physical impacts
- Compact emergency survival kit, including a beacon, rations, and basic first-aid supplies
- Self-contained climate control system, automatically adjusting heating, cooling, and ventilation within the suit
- Built-in hydration system with water reservoir and helmet tube, with external connection
- Emergency ejection integration for seamless compatibility with ejection systems

Helmet

The helmet [Transparent Durandium](#) visor is coated with [Omnihue](#) allowing for it to change its tint, reflectivity, opacity, and polarization to different frequencies, as well as giving it focus and zoom capability and it is heated for anti-icing. The visor is retractable, and may be pressurized with the vents and respirator sealed shut. Climate controlled and ventilated even when pressurized, it features connections for life support and hydration at the base of the neck. Internally, the noise-canceling audio system allows for clear communication and reduced hearing damage. Both internal and external stereoscopic cameras²⁾ and stereophonic microphones Around the helmet, front, back, top, and sides, is a personal lighting system with adjustable brightness and color settings for illumination or visibility during low-light conditions or maintenance tasks³⁾.

Usage

The Star Army Type 45 Pilot Suit is designed for easy donning and doffing, with quick-release mechanisms that allow pilots to suit up or exit the suit rapidly in case of emergencies. When worn, the suit automatically interfaces with the pilot's starship or aerospace fighter, providing a seamless connection between pilot and craft.

The suit is intended for use by Star Army pilots across various platforms, including starships, aerospace fighters, mecha, and reconnaissance craft. Its advanced features and capabilities ensure that pilots are well-protected and able to perform their duties effectively, regardless of the mission or environment.

Customization

The Star Army has historically allowed pilots to decorate the top of the helmet with colored tape, so fighter pilots often have colorful patterns on their helmets with their call sign. With this new system, the [Omnihue](#) also allows for customizable insignia and markings to identify pilots and their units.



OOC Notes

[Wes](#) created this article on 2023/04/08 07:02. Artwork by Wes.

Approval and Discussion thread: [Star Army Pilot Suit, Type 45](#)

Additional Images



1)

[Yugumo Corporation](#)

2)

with night vision, IR-thermal, and UV capability

3)

with night vision, IR-thermal, and UV capability. HID, pattern flash, and strobe modes

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Last update: **2023/12/21 01:01**



