

Advancer Enterprises Type 45 Smart Tourniquet

Developed by [Advancer Enterprises'](#) Mechanics Division under the White Lion Brand, with consultation with the [Yugumo Corporation](#), the Type 45 Smart Tourniquet efficiently provides emergency blood flow mitigation for non-[Nekovalkyrja](#) species. It entered the market in [YE 45](#).



YE Production Began	YE 45
Designers	Advancer Enterprises , Yugumo Corporation
Manufacturer	Ryu Heavy Industries , licensees
Nomenclature	AE-G1-1A
Used By	Ryu Keiretsu , Star Army of Yamatai , others
Availability	Mass Production
Price	100 KS

History

The Type 45 Smart Tourniquet was developed to address the unique medical needs of non-[Nekovalkyrja](#) individuals within the [Kikyo Sector](#). Unlike Nekovalkyrja, who have the natural ability to constrict major blood vessels, other species require mechanical intervention in the form of traditional tourniquet. These posed a risk of long-term damage when improperly applied by inexperienced medics and untrained individuals. The Type 45 aims to mitigate this risk, especially for those who prefer to retain their original bodies.

Description

The Type 45 Smart Tourniquet is designed to be both user-friendly and highly efficient. The device's main body serves as the hub of its operations, housing a sophisticated control module, a small yet powerful motor, and a high-resolution display screen. The control module is the brain of the device, equipped with a [Aperture](#) Chipset that actively monitor the patient's vital signs. It gathers data from a heart rate monitor, a blood pressure sensor, and a contact thermometer, all of which are integrated into the tourniquet's structure.

The display screen is designed for quick and easy readability. It shows vital information, including the patient's heart rate, blood pressure, and temperature at the application site. The screen also displays the date and time of application, which is crucial for medical records and treatment timelines. The device is powered by a rechargeable battery, ensuring long-lasting performance. It can also interface with standard [Star Army of Yamatai](#) medical systems for data sharing and remote monitoring.

The tourniquet's band is made from [Kinugoshi-ko](#) that offers both durability and comfort. It is designed to be hypoallergenic, minimizing the risk of skin irritation during prolonged use. The band is detachable for easy sterilization and can be replaced if damaged. The motor, built into the main body, is responsible for the mechanical action of the tourniquet. It receives commands from the control module to tighten or loosen the band based on real-time data.

Usage

Upon being fastened around a limb, the Type 45 Smart Tourniquet immediately springs into action. The control module activates its various sensors to gather initial data, which is then displayed on the screen. This includes the date and time of application, crucial for determining the safe duration of tourniquet use. The device then adjusts the tightness of the band to achieve optimal blood flow restriction, minimizing the risk of long-term tissue damage.

While the Smart Tourniquet is designed to operate autonomously, manual checks are essential to ensure its effectiveness and safety. Medical personnel are advised to inspect the device every 30 minutes, verifying the displayed information and making any necessary adjustments. The device is also equipped with safety features to prevent over-tightening, such as pressure limiters and alarms that alert medical staff if dangerous levels are reached.

The tourniquet also features a "Training Mode," ideal for educational purposes. In this mode, the device will automatically loosen the band after reaching a pre-set tightness level or upon receiving an override command. This allows for safe, hands-on training without the risk of injury.

OOO Notes

[Locked Out](#) created this article on 2022/09/24 07:47. [Demibear](#) further refined the article and submitted

it.

Approval Thread:

<https://starmy.com/roleplay-forum/threads/advancer-enterprises-white-lion-type-45-individual-first-aid-kit.71050/>

Products & Items Database	
Product Categories	medical
Product Name	Advancer Enterprises Type 45 Smart Tourniquet
Nomenclature	AE-G1-1A
Manufacturer	Ryu Heavy Industries
Year Released	YE 45
Price (KS)	100.00 KS
Mass (kg)	0.4 kg

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