

# Yugumo Fabrication Systems

Yugumo Standard Fabrication and Factory Areas are a starship system developed by the [Yugumo Corporation](#) in [YE 45](#). They are generally used in [Yugumo Standard Fabrication and Factory Areas](#).

## History and Background

In [YE 45](#), the [Yugumo Corporation](#)'s [Yugumo Fleetworks](#) division sought to continue the standardization of its interior modules and systems for the ships it produced. Developed in concert with the [Yugumo Standard Fabrication and Factory Areas](#) the goal was to complete a comprehensive nanofabrication system that could be used to produce parts, tools, and machines for use on long haul missions.

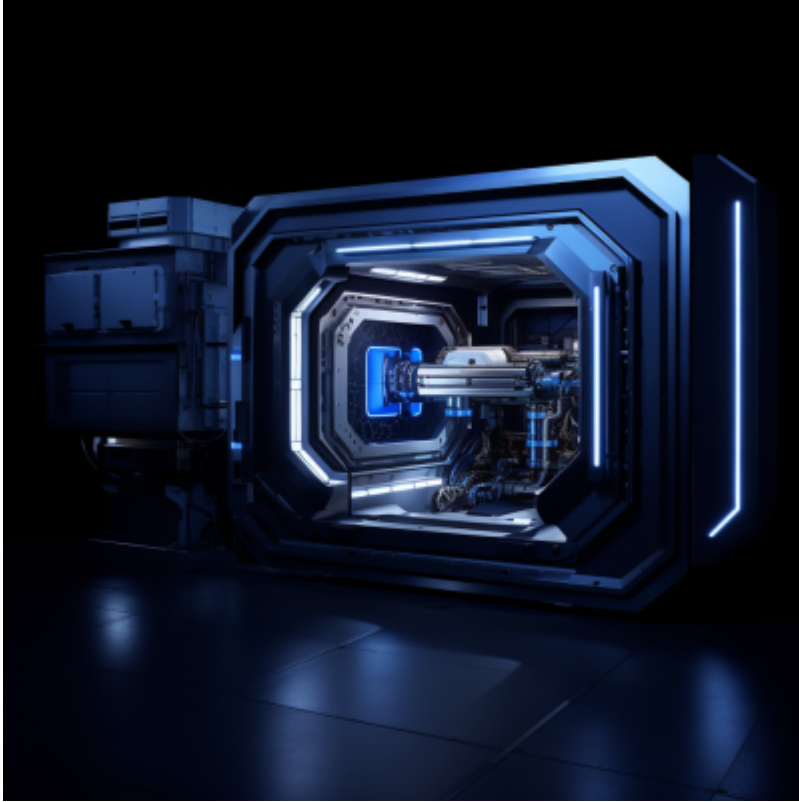
## Product Information

The product information for the Yugumo Fabrication Systems.

Yugumo Fabrication Systems	
Year of Creation	<a href="#">YE 45</a>
Designer	<a href="#">Yugumo Fleetworks</a>
Nomenclature	Type 45 / YU-H1-E4500
Manufacturer	<a href="#">Yugumo Fleetworks</a>
Fielded by	<a href="#">Yugumo Corporation</a> , <a href="#">Yugumo Merchant Spacy</a>
Availability	Mass Production
Price	Starting at 5000KS

## Function and Design

The heart of [🔧 Nanomanufacturing](#) on [Yugumo Fleetworks](#) vessels. Nanofabrication machines used on starships are highly advanced and sophisticated devices designed to create and manipulate matter at the nanoscale. These machines are crucial for a variety of purposes, ranging from repairing equipment and manufacturing spare parts to generating specialized materials and constructing intricate components. Nanofabrication machines are incredibly compact, making efficient use of limited onboard space. They are designed to fit within the confines of a starship while still offering versatile functionality. Fabrication chambers vary in size and construction.



The System was first deployed on the [Tengumo-Class Space Station](#) but would be made in varying sizes for other ship classes to follow.

## Precision and Accuracy

These machines operate with extreme precision, using [nanobots](#) to manipulate individual atoms and molecules to construct materials and components with near-perfect accuracy. This level of precision ensures the reliability and safety of starship systems.

## Multifunctionality

Nanofabricators are versatile tools capable of producing a wide range of materials, from structural alloys and ceramics to electronics and medical supplies. They can adapt to various manufacturing requirements based on the ship's needs.

## Adaptive Programming

Nanofabricators have adaptive programming that allows them to download and execute instructions for a variety of tasks. They can receive updates and new manufacturing templates, ensuring they remain up-to-date with the latest technological advances made by the [Yugumo Corporation](#).

## On-Demand Manufacturing

Nanofabrication machines enable on-demand manufacturing, reducing the need for stockpiling spare parts and materials. This helps conserve storage space and ensures that essential items can be produced as needed. They can also play a role in recycling and waste reduction by breaking down and reusing materials from discarded or damaged items, promoting sustainability in space travel. They are hooked into the ship's [Matter Collection System](#) as well.

## Remote Operation

In some cases, these machines can be remotely controlled and monitored by the ship's crew or [KAIMON](#), allowing for automated production and repairs without the need for direct human intervention.

## Usage

Yugumo Nanofabrication systems are used for a wide range of critical functions to support the spacecraft's operation and crew's needs. They are located in [Yugumo Standard Fabrication and Factory Areas](#) and operated by skilled [Engine Rating Crew](#) and [Engine Officers](#).

## Spare Part Manufacturing

One of the primary uses of nanofabrication systems is the rapid production of spare parts and replacement components for [Yugumo Fleetworks](#) systems. When a critical system or equipment malfunctions or wears out, the nanofabricator can replicate the necessary parts on demand. This reduces the need for carrying large inventories of spare parts and ensures that the ship can continue functioning even during long interstellar journeys without a huge [standard\\_cargo\\_bay](#).

## Repairs and Maintenance

Nanofabrication machines are used for on-the-spot repairs and maintenance of already-produced tools and components. If a mechanical or electronic component breaks or becomes damaged, the system can repair or replace it without the need for external assistance or extensive downtime. Customization: These systems can create specialized tools, equipment, or components tailored to specific mission requirements. Whether it's adapting equipment for a particular planetary exploration task or crafting unique scientific instruments, nanofabricators provide the flexibility to customize equipment as needed.

## Material Synthesis

Nanofabrication systems can synthesize advanced materials with specific properties. This includes creating high-strength alloys, superconductors, or advanced composites for construction, scientific

research, or defense purposes.

## Common Items Produced

Examples of commonly produced items and the time it takes to produce them. In general, the larger or more complex an item is, the longer it will take to produce.

Product	Description	Time to Manufacture
Starshield Programmable Matter Multitool	A programmable matter multitool	10 minutes
Starshield Nanofabric Hull Patches	Hull Patches for Damage Control	30 minutes per meter squared
Starshield Multipurpose Plasma Tool	Plasma Welder and Cutter	2 Hours
Type 43 Yugumo Corporation Uniforms	Uniforms	45 minutes
KAIMON/Ascendant Companion	Drone	1 Day
KAIMON/Ascendant Colleague	Drone	1 Day
KAIMON/Ascendant Consort	Android	5 Days
Yugumo E2 Energy Pistol	Weapon	8 Hours
Yoru no Tenshi 'Tenshi II' Light Mechanized Power Armor <sup>1)</sup>	Power Armor	7 Days

## OOC Notes

[Andrew](#) created this article on 2023/09/22 13:25.

This article was approved by [Wes](#) on 2023/10/01.<sup>2)</sup>

Written with the help of ChatGPT. Art done in Midjourney by [Andrew](#).

Products & Items Database	
Product Categories	subsystems
Product Name	Yugumo Fabrication Systems
Nomenclature	Yu-H1-E4500 / Type 45
Manufacturer	<a href="#">Yugumo Fleetworks</a> , <a href="#">Yugumo Corporation</a>
Year Released	<a href="#">YE 45</a>

<sup>1)</sup> Can only be produced on larger vessels and facilities

<sup>2)</sup> <https://stararmy.com/roleplay-forum/threads/tengumo-class-space-station.70964/#post-440922>

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