

Type 41 Blast Shutters

Blast Shutter Systems for the [Star Army of Yamatai](#) updated in [YE 41](#). A joint collaboration between [Ketsurui Fleet Yards](#) and [Yugumo Corporation](#) to update systems on [Star Army Starship Classes](#).

About and History

In [YE 32](#), [Star Army Starship Classes](#) were upgraded to blast shutters with the addition of [Atmospheric Field Systems](#). The shutters were only able to be operated by [Star Army Starship Captain](#) or [PANTHEON](#).

This upgrade in [YE 41](#) was designed during the [Kuvexian War](#). It takes into consideration that the blast shutters can be utilized for not only damage control situations, but can be used during a boarding scenario to protect key compartments and areas of the ship. It expands remote operation beyond the [Star Army Starship Captain](#) and [PANTHEON](#) to include the Saftey and Systems Monitoring Station on the bridge and a secure manual access for operation by authorized members of the [Star Army of Yamatai](#). This added security feature takes into account situations where [Star Army Starship Captain](#) or [PANTHEON](#) become compromised or incapacitated.

The [Yugumo Corporation](#) a successor of [Motoyoshi Fleet Yards](#), the original manufacturer of [Forcefield-Nested Isolation Doors](#), contributed to the design and manufacturing of these new shutters.

Upgrades from previous designs for existing starships can be done at any [Iori-Class Star Fortress](#), [Zodiac-Class Star Fortress](#) or other [Star Army Bases](#) with shipyard facilities. They will be implemented on all future [Star Army Starship Classes](#).

In [YE 46](#), the design passed its mandatory 5-year equipment review and its use was renewed until at least [YE 51](#).

Information

General statistics on the Type 41 Blast Shutters components are as follows:

Type 41 Blast Shutters	
Faction	Yamatai Star Empire
Designer	Ketsurui Fleet Yards , Yugumo Corporation
Manufacturer	Ketsurui Fleet Yards , Yugumo Corporation
Fielded by	Star Army of Yamatai
Type of Product	Star Army Starship Interiors
Production	Mass Production

Parts and Components

All parts and components of the Blast Shutter System are available from [Ketsurui Fleet Yards](#) and [Yugumo Corporation](#).

Shutter Doors

The shutter doors, manufactured by [Ketsurui Fleet Yards](#), are made of [Zesuaium](#) and are pneumatically driven to open and close. When they are in the closed position, they can be locked with two [Zesuaium](#) locking bars that are deployed in the bulkheads on either side of the door to prevent the doors from being opened. The locking bars are designed to activate faster than previous designs and can lock in one second. Each locking arm is designed to prevent prying and tampering of the shutter doors when they are in the closed and locked position. Interlocking bolt mechanisms are also installed along the seams of the doors for increased effectiveness of the lock system.

The seal serves as an airlock and pressure seal which enables the shutter to seal off the section of the ship or compartment they are installed in.

Control Module and Interface

The control module, manufactured by [Yugumo Corporation](#), is simple and is connected to the ship's [PANTHEON](#) system. It allows for the AI, Safety and Systems Monitoring Station on the bridge or the [Star Army Starship Captain](#) to operate the shutters remotely.

A manual interface with a pump handle concealed behind a door is located on the right side of the shutters. The pump handle can be operated to open or close and lock the shutters manually in the event of systems failure. Access and activation of the pump handle, via the door panel, are equipped with a security feature that requires identity confirmation of only authorized [Star Army of Yamatai](#) personnel.

Power Supply

The Blast Shutters are powered by the ship's power system, but they have an independent capacitor system, manufactured by the [Yugumo Corporation](#), which holds a 2000 hour charge to allow for the operation of the shutters and the Forcefield Projection System during low power or no power situations.

Forcefield Projection System

Forcefield projection systems evolved from the [Atmospheric Field System](#) and [Forcefield-Nested Isolation Doors](#) are installed on both sides of the doors. The projected fields are used to maintain interior pressure and atmosphere during possible breach situations. They also provide resistance to weapons fire and explosions if the ship is boarded. They are manufactured by the [Yugumo Corporation](#).

Blast Shutter Operation

The Blast Shutters are installed in the ship in passageways, exposed viewports and in the entranceways to key compartments. During emergency situations the shutters will be closed and locked by **PANTHEON**.

When a shutter is locked, it will say "LOCKING SYSTEM ENGAGED," in pink letters on a display on the shutter. If unlocked, it will say "LOCKING SYSTEM DISENGAGED" in light blue letters. "LOCKING SYSTEM CYCLING," appears briefly in white when the doors are unlocking or locking.

OOC Notes

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The article was approved on 2019/05/18 by **Wes**.

Star Army Logistics	
Supply Classification	Class E - PARTS AND COMPONENTS
First Used	YE 41
Products & Items Database	
Product Categories	safety equipment, subsystems
Product Name	Blast Shutters
Nomenclature	Type 41
Manufacturer	Ketsurui Zaibatsu, Yugumo Corporation
Year Released	YE 41

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