


OrchidGear Backpacks and Toolbags

OrchidGear Backpacks and Toolbags are a line of professional-grade backpacks and toolbags made with  [Nanofabrics](#) developed by the [Yugumo Corporation](#) in [YE 45](#).

OrchidGear Backpack¹⁾



OrchidGear Toolbag²⁾



Year of Creation	YE 45
Designer	Yugumo Corporation

OrchidGear Backpack¹⁾



OrchidGear Toolbag²⁾



Nomenclature	YU-G2-Series
Manufacturer	Yugumo Corporation, Yugumo Fleetworks
Fielded by	Yugumo Corporation

OrchidGear Backpack¹⁾



OrchidGear Toolbag²⁾



Availability	Mass Production
Price	Starting at 100KS

History and Background

OrchidGear Backpacks and Toolbags were created by the [Yugumo Corporation](#) in [YE 45](#). The first backpack designed was the custom design for the [Starshield Multipurpose Plasma Tool](#). Almost immediately the design was expanded to more traditional backpacks and toolbags and were made available for retail sale that same year.

Function and Design

OrchidGear Backpacks are designed to be lightweight, ergonomic, and durable solutions to help professionals carry their gear.

Nanomaterial Fabric

The primary component of these backpacks is the nanomaterial fabric. This [🌐 Nanofabrics](#) is woven with nanofibers and nanoparticles³⁾, making it incredibly strong, tear-resistant, and waterproof. It can also adapt to different environmental conditions, providing thermal insulation when needed and remaining breathable in warmer climates.

Nano-Enhanced Straps and Frame

The backpack's shoulder straps and frame are reinforced with nanomaterials to make them lightweight yet exceptionally strong. These straps distribute weight evenly, reducing strain on the wearer's shoulders and back.

Self-Repairing Mechanism

Nanomaterials used in the backpack can have self-repairing properties. If the fabric sustains minor damage⁴⁾, the nanomaterials can automatically mend small tears or holes, ensuring the longevity of the backpack.


Smart Compartments

Inside the backpack, there are smart compartments equipped with nanosensors connected to a [KAIMON-Aperture](#) chip. These compartments can adapt their size and shape based on the items placed inside, ensuring efficient use of space.

Nano-Power Source

The backpacks have a high-capacity nanobattery that can be charged rapidly and provide power to various built-in features such as USB charging ports or even integrated technology interfaces like augmented reality displays.

Nanomaterial Zippers

The zippers on these backpacks are made of self-lubricating  [graphene](#) zippers, ensuring they remain smooth and resistant to wear and tear.

Security Features

Biometric locks or other advanced security measures can be integrated at an additional negotiated cost.

Usage

OrchidGear Backpacks and Toolbags are created for carrying gear, tools, and other materials. They are used like any other backpack or toolbag with zippers and internal compartments. The bags are coated in [Varihue](#) which allows customers to customize the colors of the materials.

Backpack Prizes and Sizes

The sizes and prices of the OrchidGear Backpacks.

OrchidGear-Satchel

YU-G2-1A

- The smallest version, resembling a satchel, is ideal for carrying small personal items, such as a tablet, smartphone, or essential documents. It's a compact and stylish option for those on the go.
- Height: 12 to 14 inches (30 to 35 centimeters)
- Width: 8 to 10 inches (20 to 25 centimeters)
- Depth: 2 to 4 inches (5 to 10 centimeters)
- 100 KS

OrchidGear-Daypack

YU-G2-1B

- This mid-sized backpack is suitable for daily use and can accommodate a laptop, books, lunch, and other essentials. It's a versatile choice for students and professionals.
- Height: 16 to 18 inches (40 to 45 centimeters)
- Width: 10 to 12 inches (25 to 30 centimeters)
- Depth: 6 to 8 inches (15 to 20 centimeters)
- 150KS

OrchidGear-Explorer

YU-G2-1C

- A larger, expedition-sized backpack designed for outdoor adventures. It can carry camping gear, clothing, and provisions for extended trips while maintaining a lightweight and rugged design.
- Height: 20 to 24 inches (50 to 60 centimeters)
- Width: 12 to 14 inches (30 to 35 centimeters)
- Depth: 8 to 10 inches (20 to 25 centimeters)
- 300KS

OrchidGear-Trekker

YU-G2-1D

- This is the largest size, often used by explorers, scientists, or military personnel. It can carry significant equipment and supplies for extended missions, and its nanomaterial construction ensures durability and adaptability in harsh environments. This became the choice of the [Yugumo Corporation](#) as soon as it was produced.
- Height: 24 to 28 inches (60 to 70 centimeters)
- Width: 14 to 16 inches (35 to 40 centimeters)
- Depth: 10 to 12 inches (25 to 30 centimeters)
- 400KS

Toolbag Prizes and Sizes

The sizes and prices of the OrchidGear Toolbags.

OrchidGear-Small Nanomaterial Tool Bag

Yu-G2-2A

- Dimensions: Typically around 25 to 30 centimeters in length, 15 to 20 centimeters in width, and 15 to 20 centimeters in height.
- Capacity: Designed for carrying a limited number of small tools and accessories used in nanoscale research.
- 200KS

OrchidGear-Medium Nanomaterial Tool Bag

Yu-G2-2B

- Dimensions: Typically around 30 to 40 centimeters in length, 20 to 25 centimeters in width, and 20 to 25 centimeters in height.
- Capacity: Offers more space than small bags and can accommodate a moderate amount of nanoscale tools and equipment.
- 250KS

OrchidGear-Large Nanomaterial Tool Bag

Yu-G2-2C

- Dimensions: Typically around 40 to 50 centimeters in length, 25 to 30 centimeters in width, and 25 to 30 centimeters in height.
- Capacity: Suitable for researchers or technicians who need to carry a substantial number of tools and materials for nanoscale experiments.
- 300KS

OrchidGear-Extra-Large Nanomaterial Tool Bag

Yu-G2-2D

- Dimensions: May exceed 50 centimeters in length, 30 centimeters in width, and 30 centimeters in height.
- Capacity: Ideal for those who require a significant amount of space for a wide range of nanoscale equipment and supplies.
- 350KS

OrchidGear-Custom Nanomaterial Tool Bags

Yu-G2-2E

- [Yugumo Corporation](#) offers custom-sized nanomaterial tool bags to meet specific requirements. These bags can be tailored to fit unique tool sets or equipment configurations.
- Starting at 400KS

OOO Notes

Andrew created this article on 2023/09/16 10:40.

This was approved by Wes on 2023/10/02.⁵⁾

Products & Items Database	
Product Categories	tools
Product Name	OrchidGear Backpacks and Toolbags
Nomenclature	YU-G2-Series
Manufacturer	Yugumo Fleetworks, Yugumo Corporation
Year Released	YE 45
Price (KS)	100.00 KS

1)

Example shown is the Day-Pack

2)

Example shown is the Small Toolbag

3)

combinations of 🧱 carbon nanotubes and/or 🧱 graphene

4)

simple cuts, punctures, etc

5)

<https://stararmy.com/roleplay-forum/threads/more-damage-control-tools-and-gear-for-yugumo.70881/#post-440983>

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Last update: 2023/12/21 04:21

