

# **MECHANICS 16** C O N T E N T S 004 SPECIAL FEATURE: ZEON'S AWESOME WAR MACHINES 006 The Birth and Evolution of Zeon's Mobile Weapons (Text and commentary by Hiroyuki KAWAI) 008 MS-06S Zaku II (Modeling by Yu FUWA) 014 The Principality of Zeon's First Earth Descent Operation (Diorama by Yoshitaka CHOTOKU) 020 MS-06 Zaku II (Modeling by Manabu KIMURA) 022 MS-05B Zaku I (Modeling by Hiroshi SARAI) 024 MS-07 Gouf (Modeling by DOOVA) 030 MS-09 Dom (Modeling by KOJIMA DAITAICHO) 036 MS-09R Rick Dom (Modeling by Takuji YAMADA) 040 MSM-07 Z'Gok (Modeling by Einosuke Shodai HINO) 044 MSM-03 Gogg (Modeling by Tadanobu KUNIYA) 050 MSM-04 Acguy (Modeling by Kei SHIMIZU) 054 MS-14A Gelgoog (Modeling by Shinichiro SAWATAKE) 060 YMS-15 Gyan (Modeling by MATSUO-JI (firstAge)) 064 YMS-15 Gyan (Modeling by MOCHIKOMI TARO) 066 MSM-10 Zock (Modeling by Akinori YOSHIMURA (JUNE ART PLANNING)) 070 MSN-02 Zeong (Modeling by Keita YAGYU) 074 MA-04X Zakrello (Modeling by Kei☆TADANO) 076 MAM-07 Grubro (Modeling by Kei SHIMIZU)

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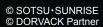
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<sup>\*</sup> All prices listed include tax.
\*All prices are current as of June 2023.





The Zeon military revolutionized warfare with their creation of colossal humanoid weapons known as Mobile Suits. In an era dominated by battles influenced by Minovsky particles, these Mobile Suits clashed in titanic melee skirmishes, evoking images of ancient giants in combat. As we revisit the One Year War, we'll delve into the creation and evolution of these game-changing weapons that have indelibly marked the history of the Universal Century

Text and commentary by Hiroyuki Kawai

## REVOLUTIONIZING WARFARE WITH MOBILE SUITS

In U.C. 0079, Side 3, the colony farthest from Earth, proclaimed itself the Principality of Zeon and launched an attack on the Earth Federation. The advent of the mobile suit, a revolutionary new weapon, emboldened the resource-limited Principality of Zeon to confront the mighty Earth Federation.

No discussion of the Mobile Suit can be complete without mentioning the groundbreaking discovery of "Minovsky Particles" by Dr. Trenov Y. Minovsky. Dr. Minovsky not only unveiled the Minovsky-Ionesco type thermonuclear reactor, a compact fusion device. but also discovered that densely dispersed Minovsky Particles could disrupt radio waves and electronic devices. This combination of compact reactors and radio jamming capabilities enabled the Principality of Zeon to challenge the military might of the Earth Federation, ushering in a new era of combat dominated by humanoid weaponry and direct, line-of-sight confrontation.

However, the road to this new kind of weaponry was complicated. In U.C. 0071, Zeon sponsored a weapons development competition involving three key players: Zeon, MIP, and Zimmad. MIP presented the MIP-X1, essentially an enhanced space capsule, while Zeonic unveiled the ZI-XA3, a towering humanoid weapon. The ZI-XA3, a result of Zeonic's S.U.I.T. project, laid the groundwork for later mobile suits, most notably the MS-01.

Initially, many, including Gihren Zabi, favored the MIP-X1 and viewed the ZI-XA3 with skepticism.





However, the ZI-XA3's superior humanoid design, unmatched versatility, innovative attitude control through AMBAC, and overall enhanced performance shifted perceptions. It represented not just an extension of traditional weaponry, but the dawn of a transformative era in warfare.

After refining the small fusion reactor and fluid pulse system, Zeonic proceeded with the MS-03 and MS-04 trials. U.C. 0074 witnessed the birth of the MS-05 Zaku

I, the first operational mobile suit. Over the subsequent five years, Zeon formulated a military strategy centered around mobile suits. During this period, the Zaku evolved into the MS-06 Zaku II. As U.C. 0079 dawned, Zeon plunged into war with palpable anticipation. Key victories, including the capture of Granada and the triumph at the Battle of Loum, were undeniably fueled by the strategic use of the mobile suit.

force behind the MS-01, effectively marking the genesis of the MS. They led the development of prominent MS, concentrating on models such as the Zaku I, Zaku II, Gouf, and Gelgoog.

#### MIP

**7eonic** 

Although MIP's proposal was not chosen as the next-gen primary weapon, their proficiency in developing beam weapons and mobile armor gained prominence. Responsible for creations like the Z'Gok, Grublo, and Bigro, they played a pivotal role in development of Gelgoog's beam weapons.

#### Zimmad

spite being a major corporation in Zeon alongside Zeonic, Zimmao trailed berinte field of MS innovation. They gained recognition fee producing specialized mobile suits, most

## Granada

Following the onset of the One Year War, Granada, under Zeon's control, evolved into a significant base for raids and mobile operations and its military applications, it also emerge

# California Base

Zeonic's Mobile Suit

Development

Units and Hubs







#### MS-05B Zaku I (Old Zaku)

Corporation's first suit, the Zaku I, carved its niche in support roles, specially in logistics ollowing the debut of the Zaku II

## MS-06 Zaku II

The Zaku II swiftly emerged as Zeon's flagship mobile suit at the onset of the One Year War vations such as externa cooling systems significantly oosted its performance. It inderwent several iterations eginning with the rogressing to the uclear-capable Type C, and ulminating in the refined Type F. After the descent to Earth, many Type Fs were converte



# UTILIZATION OF GROUND COMBAT MOBILE SUITS FOLLOWING THE EARTH DESCENT OPERATION

The Principality of Zeon achieved victory during the Loum Campaign, decimating 80% of the Earth Federation's main fleet and capturing General Revil. Two months later, they initiated Operation Earth Descent, indicating that plans for an Earth invasion had been in motion even before official hostilities. commenced. It was a logical progression to enhance Mobile Suits with ground combat capabilities

Modifying space-oriented Mobile Suits for operations in gravity presented numerous challenges, ranging from adapting to environmental conditions to optimizing mobility. Taking the Zaku II as a case study, these issues were tackled by discarding space combat equipment, resolving the cooling challenges posed by the thermonuclear reactor, and integrating features such as

While the terrestrial adaptation of the Zaku II served as a provisional solution upon its deployment on Earth, it swiftly made way for mobile suits explicitly designed for ground warfare: the MS-07 Gouf and the MS-09 Dom. Intriguingly, these two suits adopted divergent strategies to confront the fundamental challenge of range. The Gouf capitalized on synergies with the

dust-proofing to accommodate terrestrial combat environments.

markedly successful. Amphibious mobile suits were deployed to Earth's vast oceans, encompassing 70% of the planet's surface. These units undertook missions such as disrupting maritime commerce and severing sea

Dodai YS aircraft, whereas the Dom leveraged its thermonuclear

jet engine to facilitate rapid hovering. Both adaptations were

lanes, thereby augmenting Zeon's terrestrial supremacy.

Zeon's advancement post-descent was significantly expedited by the prompt introduction of these environment-specific mobile suits. The capture of pivotal development hubs like the California Base early in the One Year War was instrumental. The capacity to replicate Earth's diverse habitats, such as deserts and oceans, within space colonies is inherently restricted. Thus, the opportunity to refine these suits in genuine environments profoundly impacted their efficacy.

However, by November U.C. 0079, the momentum appeared to be shifting. The Earth Federation was preparing for a counteroffensive, driven by their overwhelming numerical advantage.





amphibious MS and the first from Zeon to be equipped with beam weapons. vstem for its thermonuclear reactor.



the Zeon Company, benefited from the reuse of Zaku parts, which shortened its development time. Its stealth capabilities made it ideal for reconnaissance and covert missions



equipped with Mega Particle Cannons on both arms. It excels underwater and outperforms the GM in ground combat.



erving as a mobile artillery platform Equipped with a powerful generator, it

# **URGENT DEVELOPMENT OF THE NEXT-GENERATION MAIN MOBILE SUIT**

tback in Operation Odessa, Zeon required a new primary mobile suit for space at, particularly as the Earth Federation had dy deployed their GM units. The necessity to ate beam weapons into the new design led ental delays. In the interim, the Rick ated for its efficient production, ent modifications for space adaptability.

his urgency set the stage for a showdown between MS-14 Gelgoog and the MS-15 Gyan, contenders for the next-generation primary mobile suit. The Gelgoog, technically superior even to the Earth Federation's Gundam, was anticipated to be a game-changer. However, its late entry onto the battlefield, combined with a scarcity of skilled pilots, limited its impact. An earlier initiation of mass production might have altered the One Year War's outcome



#### The Rick Dom, a space-adapted ariant of the efficient Dom design ubstitutes the original terrestria pace-compatible thermonucles

The Gelgoog stands as Zeon's Itimate primary mobile suit, birthed om a collaborative endeavoi nd Zimmad providing essential mponents. Its prowess was med superior even to that of ne Earth Federation's Gundar



Crafted by the Zimmad Company he Gyan boasted agility but fell hort in versatility. Although it didn't laim victory in the next-gen MS mpetition, under M'Quve's ewardship, it presented a nidable challenge to the ndam at the Texas Colony

# MIRILE ARMIR UNLOCKING TRUE POTENTIAL WITH MOBILE SUIT SUPPORT

While mobile suits were central to Zeon's military strategy, certain scenarios demanded specialized firepower. This need led to the development of mobile armors, which, unlike mobile suits, prioritized offensive capabilities. Evolving from the MIP-X1 concept, these units delivered unparalleled firepower, particularly when deployed alongside mobile suits.



originating from the lunar-centric Lun ank design, the Adzam ensnares obile suits with a cable and innihilates them using heat general



rmor, suffered from mobility issues and was destined for decommission owever, in defiance of orders, Dimitr

MAN-03 Braw Bro



A direct descendant of the MIP-X1, the Bigro excels in hit-and-run tactics veraging its thermonuclear rocket ngine and Mega Particle Cannon.





variant, and an I-Field generator. It weeked havoc on the Tianem fleet n the Battle of Solomon





#### Newtype pilots, the Zeong features detachable wired meg particle cannons for multifaceted assaults After losing his Gelgo

nuro's Gundam

rafted for Newty raited for Newtype pilots with nsights from the Flanagan Institute, he Braw Bro is uniquely designed to lisassemble into five components. It mploys wired Mega Particle Canno or long-range confrontations.



Specifically designed for Newtypes. the Elmeth utilizes psychic communication to remotely orchestrate over ten wireless bits. Lalah showcased the formidable prowess of its Psycommu-based armaments



The Grublo, an aquatic variant of the Bigro, is propelled by a thermonuclea water jet engine. It boasts an arsena that includes torpedoes, anti-aircraft nissiles, and massive claw arms.

007











MS-06S ZAKU II | PRINCIPALITY OF ZEON





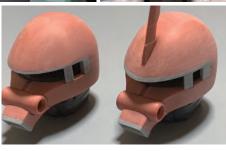
Special Feature | MOBILE SUIT GUNDAM ZEON'S AWESOME WAR MACHINES

# MS-06S ZAKU II | PRINCIPALITY OF ZEON



▼ I narrowed the mono-eye slit by adding a 1 mm plastic sheet to the top, for a more penetrating gaze. The columns on both sides were made using 0.3 mm plastic sheets, and the duct tips extended with a 0.3 mm layer. I crafted two interchangeable heads: one with a blade antenna, and one without.

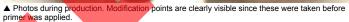
















▲ The base for the spiked armor on the left shoulder was sourced from the MG Gouf Ver. 2.0, with spikes from the Zaku Ver. 2.0 attached on top.





■ I widened the shield by 8 mm by adding plastic plates to the sides, making it look more robust and powerful.





▲▶ The volume of the thighs was bulked up with epoxy putty. The seam, including molded details on the shins' reverse, was carefully smoothed out. The soles were encased in a plastic sheet to increase volume, as was the armor on the top of the foot.





included weapons were painted with precision. For the Heat Hawk Axe, I crafted an auxiliary blade designed to simulate a luminous effect.

The MG Zaku Ver. 2.0, a 15-year-old release, remains a masterpiece of sculpting, articulation, and build quality, solidifying its status as the definitive 1/100 scale Zaku kit. Although Gundam models have progressed to Ver. 3.0, the Zaku's enduring adherence to the Ver. 2.0 design underscores its timeless quality and significance. This project aimed to alter various elements to echo the bulkier Zaku representations in MSV illustrations.

#### ■ Hea

The mono-eye slit was refined with a 1 mm plastic sheet, and the eye support columns on either side

were reconstructed with 0.3 mm plastic. The duct edges were meticulously smoothed, and the head's rear was remodeled to reflect MSV-style Zakus. Two head versions were prepared: one echoing the Commander unit's unique design, and a standard version without alterations.

#### ■ Torso

Emulating MSV's Zaku aesthetics, plastic sheets were affixed to the sides of the chest, creating a pronounced angled fold. The hip joint block was expanded with a 1 mm plastic sheet, and a 1 mm allowance was created in the waist skirt for the modified, thicker thighs. Aftermarket

thruster verniers replaced the original backpack components.

#### ■ Arms

All external armor pieces and embellishments were affixed permanently, honoring the Zaku's monocoque design that minimizes excessive panels and surface intricacies. I used epoxy putty for contour enhancement on the forearms, and the selected fist parts, sourced from another kit, were slightly upscaled. The shield was extended by 8 mm, utilizing a base from the MG Gouf Ver. 2.0 kit and finely sanded spikes from the Zaku set.

accommodate their enlargement.

#### ■ Legs

The thighs were bulked up with epoxy putty. I addressed the prominent seam on the back of the shins by sealing it. The feet were enlarged with two layers of 0.3 mm plastic sheets.

#### ■ Weapons

I refined the machine gun and bazooka by eliminating parting lines and detailed the Heat Hawk's latch with a plastic sheet, deliberately keeping additional details sparse.

#### ■ Painting

Despite the S-Type designation, the suit features mass-production colors:

#### Green1 = Gundam Color MS Green

+ Cool White (1:1 ratio), with a touch of Mr. Color Ironnomoto Cyan

Green2 = Gundam Color Deep Green

+ Cool White (1:1 ratio)

Backpack = Green2 + Clear Green Elbow, Knee, Sole = German Gray Joint Color 1 = Modelkasten Superior Warm Gray Joint Color 2 = Modelkasten Stormy Sea Gray Weapons = Graphite Black

Panel lines were accentuated with German Gray enamel paint. Decals from Gundam Decal DX for

Zeon and other sources were applied, followed by a finish with Gaia Color Premium Ex-Flat Clear.

Since no new Ver. 2.0 variations have been released lately, I find myself yearning for models like the Desert Zaku or the Underwater-type Zaku.

## Yu FUWA

A modeler devoted to meticulous decal application and pastel-hued painting. In the realm of Gunpla, it seems the Mobile Suits from the Universal Century hold his unwavering admiration.

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