

G-SHOCK

GM-B2100



Tough. Brilliant.

GM-B2100



STORY BIRTH OF THE GM-B2100

True to its origins, yet constantly evolving.

Ushering in a visionary new phase of iconic watch design.

In 1983, guided by the unconventional vision of building an unbreakable watch, Casio introduced the world to the very first G-SHOCK, the DW-5000C—a watch featuring an all-original shock-resistant construction and iconic shape. Fast forward to 2019 and the GA-2100, a timepiece born of the same G-SHOCK concept, but in an analog format. Ever since, we have been working to expand the potential of the 2100 line. Let us introduce you to the new GM-B2100, a high-performance chronograph with a beautiful, full-metal exterior.

The development concept: origin and evolution. A true heir to the iconic design maintained since the very first G-SHOCK. A metal watch with all the luxe textural appeal to match. And the toughness to provide a superior level of practical utility. Delivering on this vision meant approaching every stage of the crafting process from scratch: from the structural design and mounting of the module to the processing and finishing of external components and artisanal design of the dial. We spared no effort in pursuit of strength, beauty, and ease of use.

Welcome to a full-metal watch packed with features including Smartphone Link and Tough Solar, and built with a timeless passion for design and a spirit of challenge. With the GM-B2100, Casio is ushering in a whole new phase of G-SHOCK development.

THE ORIGIN



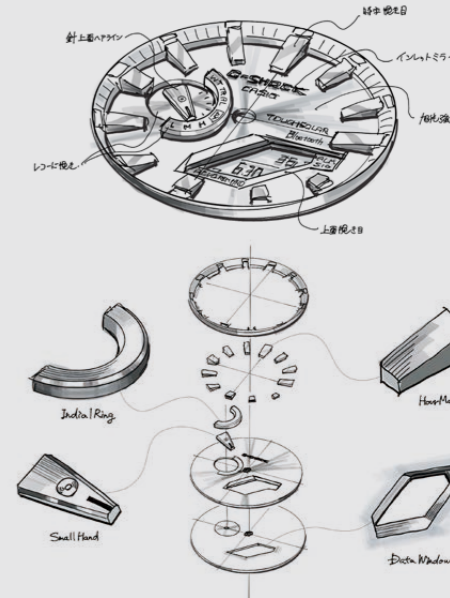
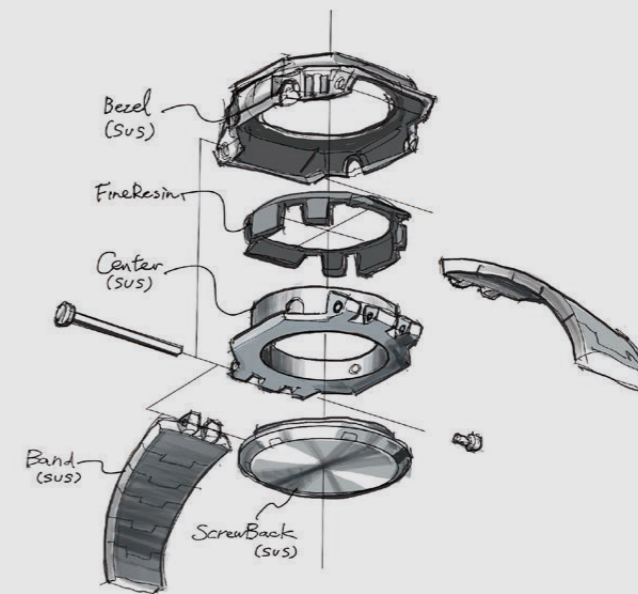
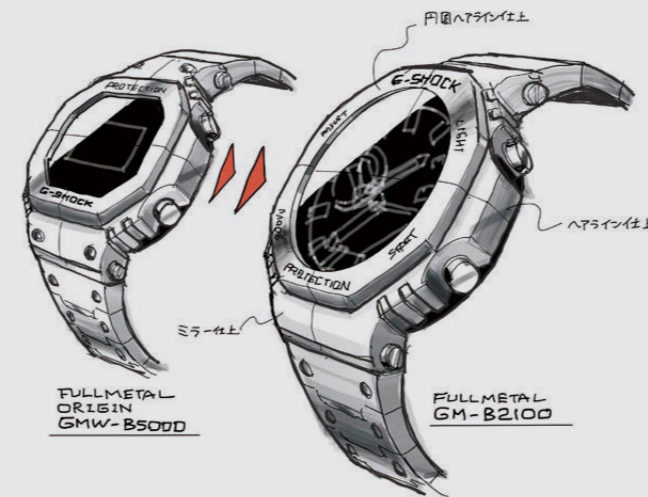
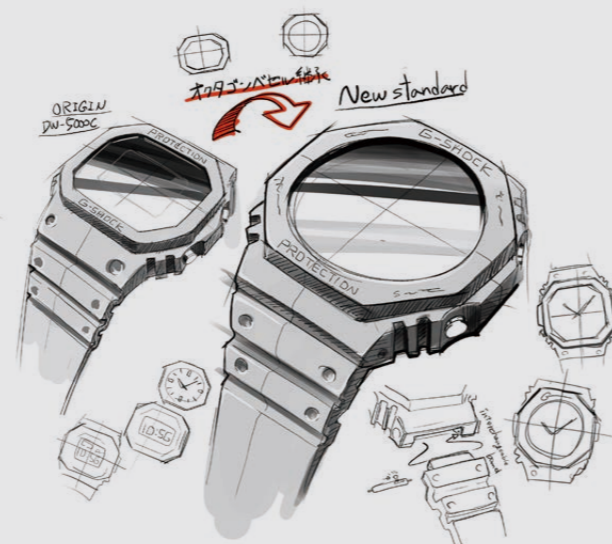
1983
DW-5000C



2019
GA-2100



2022
GM-B2100



Revolutionizing conventional notions.

Time and time again.

Since its debut, the G-SHOCK has always been a norm-shattering presence. Its fully streamlined, iconic form was born of a passion to deliver the ultimate toughness, a concept that defied conventional assumptions about the easy breakability of watches. Some 35 years later, the GA-2100 projects the essence of the original G-SHOCK vision in a refined octagonal form. As development got underway, however, its compact, minimalist look, which challenged the original rugged image of G-SHOCK, initially provoked questions about its fit with the G-SHOCK brand. Today, though, the watch has proven it belongs, winning global popularity particularly among young people. With the GA-2100, we didn't stop at upending conventional notions of the watch; we even challenged assumptions about the G-SHOCK itself. The new GM-B2100 inherits every ounce of that spirit of challenge.

Toughness, plus brilliance.

The challenge of full-metal construction.

The development of the GM-B2100 began with the challenge of satisfying the G-SHOCK criteria for shock resistance, while coping with the weight of the stainless-steel exterior and the analog hands' susceptibility to damage from shock. This required us to design a new shock-resistant structure specifically for full-metal watches. First, we ensured the bezel and case had a perfect fit with one another, using sophisticated forging and cutting processes worthy of the highest-precision componentry. Then, we employed high-density mounting technology to make the module slimmer while delivering enhanced functions including Smartphone Link and Tough Solar—all in a similar size as the original GA-2100. Inspired by a vision of value beyond toughness alone, we recreated the unique quality of a G-SHOCK in full-metal form by pouring all of our technological prowess into every aspect of the design, from the materials to the construction and mounting.

Genuine evolution,

witnessed in the smallest details.

The full-metal construction required new molding and finishing. Reconstructing the distinctive resin form, but now with metal, required updates to component design, production, and more. Applying a circular hairline finish to the top surface and a mirror finish to the sides of the flat, octagonal bezel after forging, for instance, gave it a sharper, harder look. Even the new form of the lugs that connect the band with the case brings out the brilliant gleam of the metal more beautifully, rather than merely replicating the original resin profile. For the band, we reproduced the iconic dimple design maintained since the very first G-SHOCK, but now in metal, achieving an attractive finish down to the bottoms of the impressed holes. The case back has a screw-lock construction with a forged form that exudes solidity just like the very first G-SHOCK.

A fresh, new look,

with an intense focus on dial design.

Simply replacing the resin of the exterior with metal would not constitute true evolution. For the GM-B2100, the dial structure, materials, and finishing were all developed from scratch to complement the full metal exterior and deliver sophisticated texture down to the smallest details. We employed Yamagata Casio nano-processing technology to craft the components. With Japan's world-class precision die molding, we achieved an intricate form with fine grind marks on the surface, and emphasized the metal look with vapor deposition. We used leading-edge technologies such as laser welding—also used for the flagship G-SHOCK line, MR-G—to secure the inset dial ring. We meticulously crafted the face design to highlight the minimalist feel. We want users to love this watch more and more, every time they glance at their wrist.

GM-B2100 FEATURES

Full-metal shock-resistant structure

Buffering components made of fine resin are installed between the stainless-steel bezel and case. Minute protrusions and ribbing applied to the fine resin components protect the module by helping to absorb shock with their resilience when compressed. The robust screw-lock construction of the case back ensures a tight seal. The design satisfies the stringent G-SHOCK criteria for shock resistance and 20-bar water resistance.



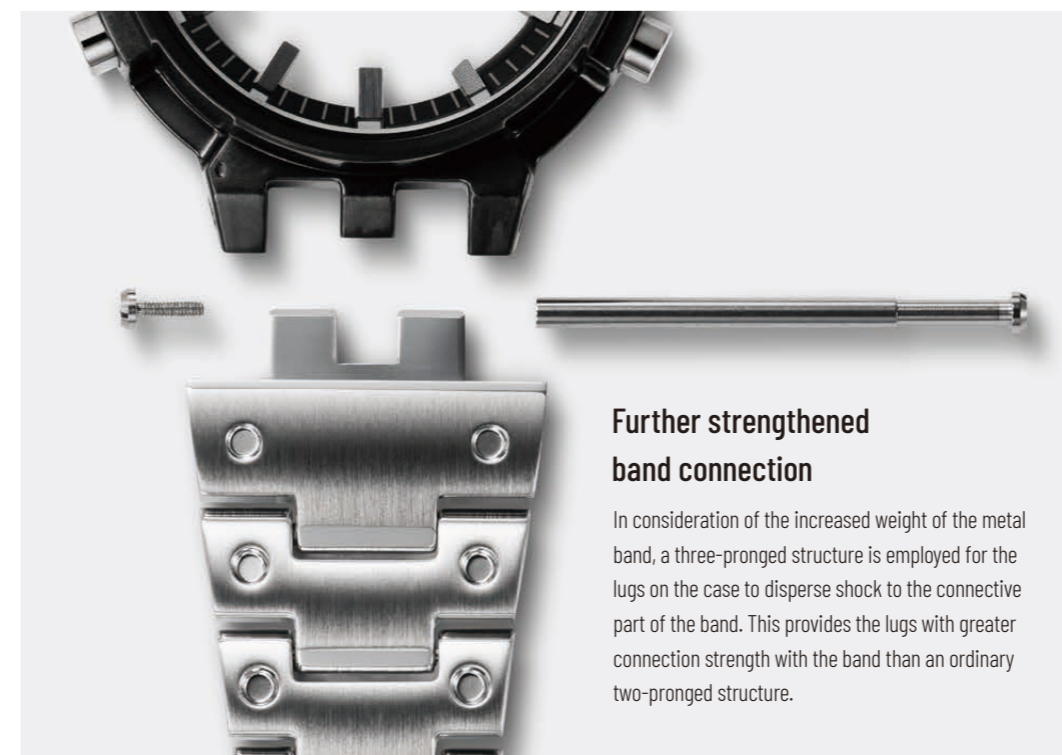
Textural appeal highlighted with individual finishes

Intentionality about finish, with hairline finishes and mirror polishes applied separately to different components, accentuates the sophisticated metallic texture and strong, beautiful form of the bezel. The circular hairline finish on the top surface and lengthwise hairline finishes on the raised areas on the side of the bezel add variation to complement the form.



High-precision forging and cutting processes

The stainless-steel bezel is formed through repeated, painstaking processes of forging and cutting. Crafting with an intense focus on producing precise components, even down to the portions that lie out of sight, ensures an even higher precision fit with the case, including detailed finishing of its back surface.



Further strengthened band connection

In consideration of the increased weight of the metal band, a three-pronged structure is employed for the lugs on the case to disperse shock to the connective part of the band. This provides the lugs with greater connection strength with the band than an ordinary two-pronged structure.



The challenge of achieving a slim profile

Approaches including reducing the thickness of external components and adopting a slim module allow the watch to maintain the 2100 line's familiar sense of size with its slim profile. Delivering high utility and enhanced functionality with the inclusion of Smartphone Link and Tough Solar features, the slim profile of the GM-B2100 also offers a comfortable fit on the wrist.

GM-B2100 FEATURES

Delivering beauty with a layered dial

A new dial design with a look of luxe sophistication was developed to complement the metal exterior. The combination of multiple separate components on the dual-layer dial surface enabled intricate face design down to the minute details, even with the challenge of adding decorative touches to a solar dial design.

Passion for design revealed in the minor details

An indicator hand and inset dial ring with dimensional forms accent the inset dial, which is decorated with circular grind marks. Finely detailed grind marks and vapor deposition are applied to the components' surfaces to set them off with sophisticated metallic texture. The inset dial ring is secured with advanced laser welding technology. Without the use of securement components, a level of toughness satisfying the G-SHOCK criteria for shock resistance is achieved.

Yamagata Casio, delivering Japan's famous quality

Special precision die molds designed specifically for the GM-B2100 were produced at Yamagata Casio, the "mother factory" of Casio watch production, using technologies that demand advanced mastery. From sharp-edged molding and detailed surface processing to metallic thin-film vapor deposition, Yamagata Casio stands for premium-quality crafting.



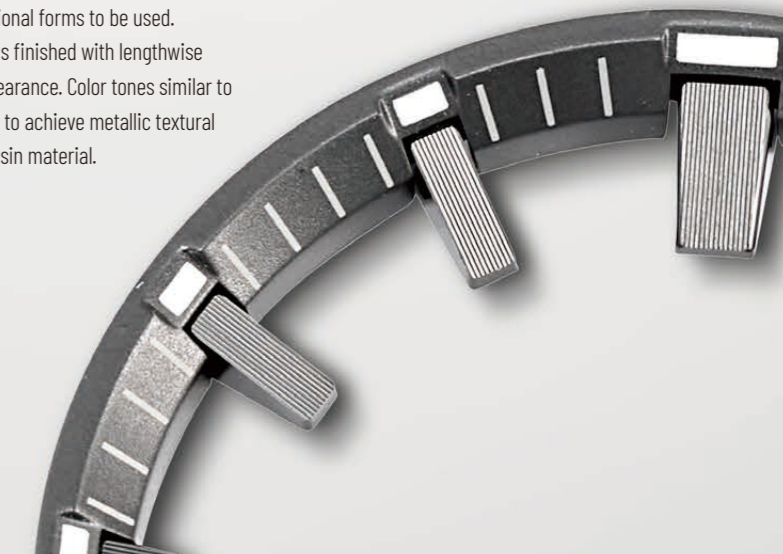
Tight seal achieved with screw-lock construction

Like the very first G-SHOCK, the GM-B2100 uses a robust screw-lock case back that ensures a tight seal. A diamond-like carbon (DLC) coating offers enhanced abrasion resistance, while a mirror finish applied to beveled surfaces delivers sophisticated textural appeal as well.



Index marks with sharply molded forms

Lightweight resin is used to maintain shock resistance. Increased strength achieved with ring-shaped integrated molding allows larger, dimensional forms to be used. The simple surface structure is finished with lengthwise grind marks for a refined appearance. Color tones similar to the watch exterior are applied to achieve metallic textural appeal even with the use of resin material.



LCD periphery featuring microfabrication

Dual-layer dial design enhances the sense of depth of the parallelogram-shaped opening around the LCD. Straight-line grind marks are applied to beveled surfaces at the periphery of the LCD. A passion for achieving sophisticated texture down to the finest details highlights the minimalist approach to face design all the more.



Metal band exuding solidity

Individual band pieces made of pure stainless steel have separate hairline and mirror finishes carefully applied. The iconic dimple design maintained since the very first G-SHOCK is reproduced in metal as well. A repetitive process of alternately pressing and polishing was employed to achieve a beautiful finish down to the bottoms of the impressed holes.

GM-B2100 FUNCTIONS



Use Bluetooth® to pair with smartphone app.
Making watches more convenient and easy to use.



Multiple functions,
all at your fingertips
CASIO WATCHES
(Smartphone app)



Automatic time adjustment

Connects to a smartphone to keep the time constantly accurate.

For everyday use

Automatic connection

Automatically connects with a smartphone at four times set times per day to make time adjustments when needed.

For travel

One-touch connection

Connects with a smartphone when traveling across time zones to enable immediate display of the correct local time.



World time
for about 300 cities
Connect with time from around the globe



Alarm setting
Handy for wake-up alarms and more



Countdown timer setting
For convenient time management



Phone finder
Use the watch to make your smartphone sound.



Time & Place
For easy activity logging



Reminder setting
To help remember important appointments

Tough Solar (solar charging system)

This original solar-charging system developed by Casio generates power from sunlight or even modest amounts of light from fluorescent lamps. Provides ample power to the built-in rechargeable battery to ensure smooth operation of watch functions.



Super Illuminator

Double high-brightness LED light illuminates the dial and LCD to ensure outstanding visibility in the dark. The afterglow feature gradually fades the lights out when switched off to evoke a sentimental mood.



Shock-resistant structure and 20-bar water resistance

The iconic G-SHOCK shock-resistant structure is achieved in a full-metal exterior to offer effective impact and vibration resistance. Stands up to intensive use anywhere, in all kinds of conditions. Each watch is fully inspected for water resistance prior to shipment to ensure the highest quality. Provides stable support for use even in sudden rain or in the shower without concern about exposure to water.



Hand shift feature

Temporarily moves the hour and minute hands out of the way with the press of a button when they overlap with the LCD or inset dial. Provides enhanced utility for the digital-analog combination dial.



LINEUP



GM-B2100 Line | SMARTPHONE LINK | TOUGH SOLAR |



GM-B2100D-1A



BLACK IP
GM-B2100BD-1A



ROSE GOLD IP
GM-B2100GD-5A

SPECIFICATIONS

GM-B2100 • Shock-resistant structure • 20-bar water resistance • Tough Solar (Solar powered) • Smartphone Link • Hand shift feature • World time • 1/100-second stopwatch • Countdown timer • 5 daily alarms • Double LED light (Super Illuminator) • Size of case (H-W-D): 49.8 × 44.4 × 12.8 mm

TOUGH SOLAR



BLUETOOTH

GA-B2100 Line | SMARTPHONE LINK | TOUGH SOLAR | CARBON CORE GUARD |



GA-B2100-1A



GA-B2100-1A1



GA-B2100C-9A

SPECIFICATIONS

GA-B2100 • Shock-resistant structure • 20-bar water resistance • Tough Solar (Solar powered) • Smartphone Link • Hand shift feature • World time • 1/100-second stopwatch • Countdown timer • 5 daily alarms • Double LED light (Super Illuminator) • Size of case (H×W×D): 48.5 × 45.4 × 11.9 mm

GM-2100 Line | METAL COVERED |



GM-2100-1A



GM-2100B-4A



GM-2100B-3A



GM-2100N-2A

SPECIFICATIONS

GM-2100 • Shock-resistant structure • 20-bar water resistance • Hand shift feature • World time • 1/100-second stopwatch • Countdown timer • 5 daily alarms • Double LED light (Super Illuminator) • Battery life of about 3 years • Size of case (H×W×D): 49.3 × 44.4 × 11.8 mm

GA-2100 Line | CARBON CORE GUARD |



GA-2100-1A1



GA-2100-1A



GA-2100-4A



GA-2100-5A



GA-2100-7A



GA-2110SU-3A



GA-2110SU-9A

SPECIFICATIONS

GA-2100 • Shock-resistant structure • 20-bar water resistance • Hand shift feature • World time • 1/100-second stopwatch • Countdown timer • 5 daily alarms • Double LED light (Super Illuminator) • Battery life of about 3 years • Size of case (H×W×D): 48.5 × 45.4 × 11.8 mm

Compact Models Offering an Easy Fit on the Wrist

GMA-S2100 Line

| CARBON CORE GUARD |



GMA-S2100-1A



GMA-S2100-7A

SPECIFICATIONS

GMA-S2100 / GM-S2100

- Shock-resistant structure
- 20-bar water resistance
- Hand shift feature
- World time
- 1/100-second stopwatch
- Countdown timer
- 5 daily alarms
- Double LED light (Super Illuminator)
- Battery life of about 3 years
- Size of case (H×W×D):
46.2 × 42.9 × 11.2 mm (GM-S2100)
45.9 × 40.4 × 11 mm (GM-S2100)

GM-S2100 Line

| METAL COVERED |



GM-S2100PG-1A4



GM-S2100B-8A



GM-S2100-3A

CASIO®

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CASIO COMPUTER CO., LTD. Tokyo, Japan

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The colors of actual products may differ somewhat from their appearance in this catalog.

