




Tech Insight: Magnesium Alloy Casework



Toshiba EasyGuard™ technology is a series of hardware and software enhancements to business-class notebooks that greatly improve mobile computing. By providing users with increased data security, system protection, simple connectivity and ease of use, EasyGuard™ technology is continued evidence of Toshiba's vast experience in mobile computing and our ongoing commitment to providing users with a better, more reliable notebook experience.

Toshiba EasyGuard technology comprises a number of features some of which may or may not be available on a particular Toshiba notebook depending on the model selected. See www.easyguard.toshiba.com for detailed information.

Toshiba EasyGuard™ Four core elements for more confident computing

-  **Protect & Fix**
Fortifies vital information and vulnerable components against the stress and hazards mobile computers are exposed to every day.
-  **Secure**
Helps defend your data and your notebook against loss, theft or viral attack.
-  **Connect**
Helps you locate and establish a wired or wireless connection effortlessly and quickly.
-  **Optimize**
Allows you to customize the notebook's system performance so you can be more productive.

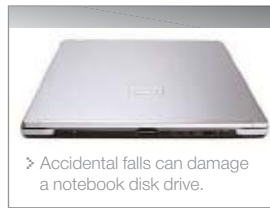
What is Magnesium Alloy Casework?

Magnesium alloy is a lightweight, rugged material utilized in structural, automotive, industrial and aerospace manufacturing. It's used in the exterior casework of select Toshiba notebooks to maximize both durability and portability.

Lighter than titanium and other common notebook construction materials, magnesium alloy's material strength is a notebook's first layer of defense against falls.

How it works

The primary reason for selecting magnesium is its light weight and superior weight-to-strength ratio. Magnesium also remains dimensionally stable, possesses excellent damping capacity and is impact, dent and corrosion resistant.

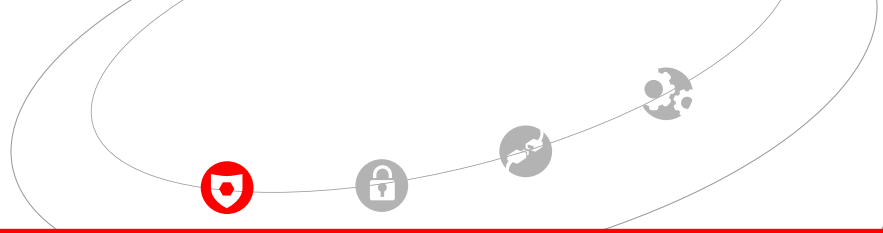


What are the benefits?

Magnesium is the lightest and strongest of all the commonly used metals. It is one of the most abundant elements within the earth's surface layer, amounting to about 2.5% of its composition.

Lightweight

Magnesium is the choice of metal for Toshiba's EasyGuard™ notebooks because, as one of the lightest metals, it is ideal for mobile computing. The lighter weight of magnesium results in enhanced portability, allowing users to take their notebooks anywhere and everywhere they go.



Shock and Vibration Absorption

Magnesium is unique in its ability to absorb shock vibrations. Mobile-computer users can breathe a little easier knowing the casing provides extra shock protection in the event the notebook is dropped or sustains another type of impact.

Impact Resistant

A lightweight, yet very resilient metal, magnesium is extremely impact and dent-resistant. Users can enjoy worry-free mobile computing knowing that their notebooks will easily survive minor accidents and bumps.

Heat Dissipation

Magnesium is a metal that allows for rapid heat dissipation, cooling the internal elements of the notebook while also making the external casework cool to the touch for comfortable handling.

Summary of features and benefits

Lightweight

➤ Allows for ultra-portability

Vibration absorption

➤ Enhances protected computing

Impact resistant

➤ Ideal for mobile computing where accidents may happen

Heat dissipation

➤ Keeps both internal components and external casework cool