NEWS RELEASE

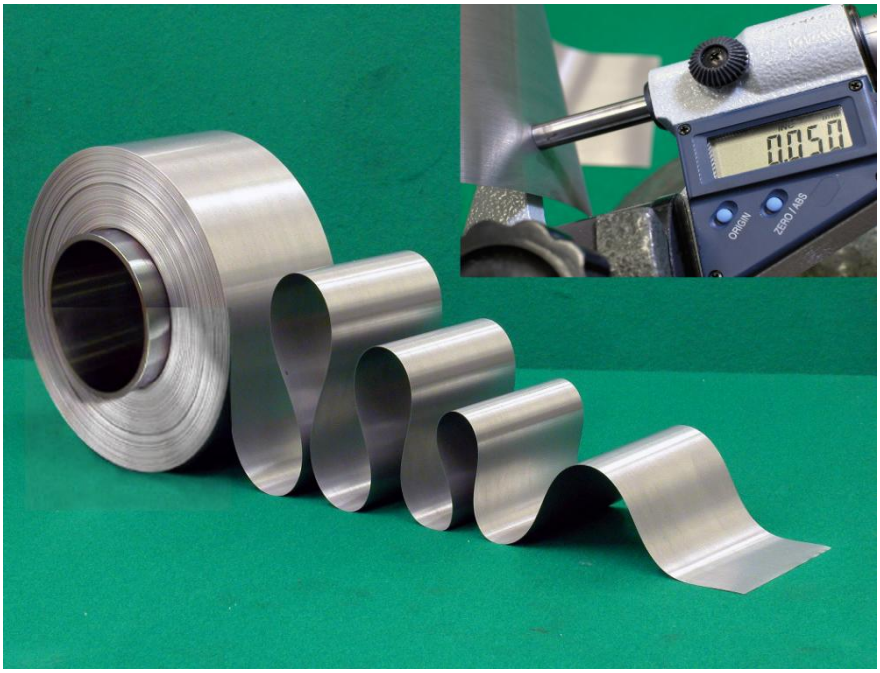
February 26th, 2026

NIPPON KINZOKU CO., LTD.

NIPPON KINZOKU to Expand Sales of Ultra-Light Magnesium Alloy Foil: Empowering the Future with Eco-Product

- Driving Innovation in XR and Transportation with Unmatched Lightness and Damping Performance -

NIPPON KINZOKU CO., LTD. (Headquarters: Minato-ku, Tokyo; President: Yasushi Shimokawa; TYO: 5491) is proud to announce a strategic expansion in the sales of its Magnesium Alloy Foil. Positioned as a core "Eco-Product" that contributes to reducing environmental impact, this high-performance material addresses diverse industrial needs by offering the lightest weight among practical metals combined with exceptional vibration-damping properties.



Magnesium Alloy Foil (Alloy: AZ31B, Thickness: 0.05mm, Width: 100mm)

Magnesium alloy is gaining global attention for its incredibly low specific gravity approximately 1/4.5 that of steel and 1/2.5 that of titanium—while maintaining excellent specific strength, stiffness, and damping performance.

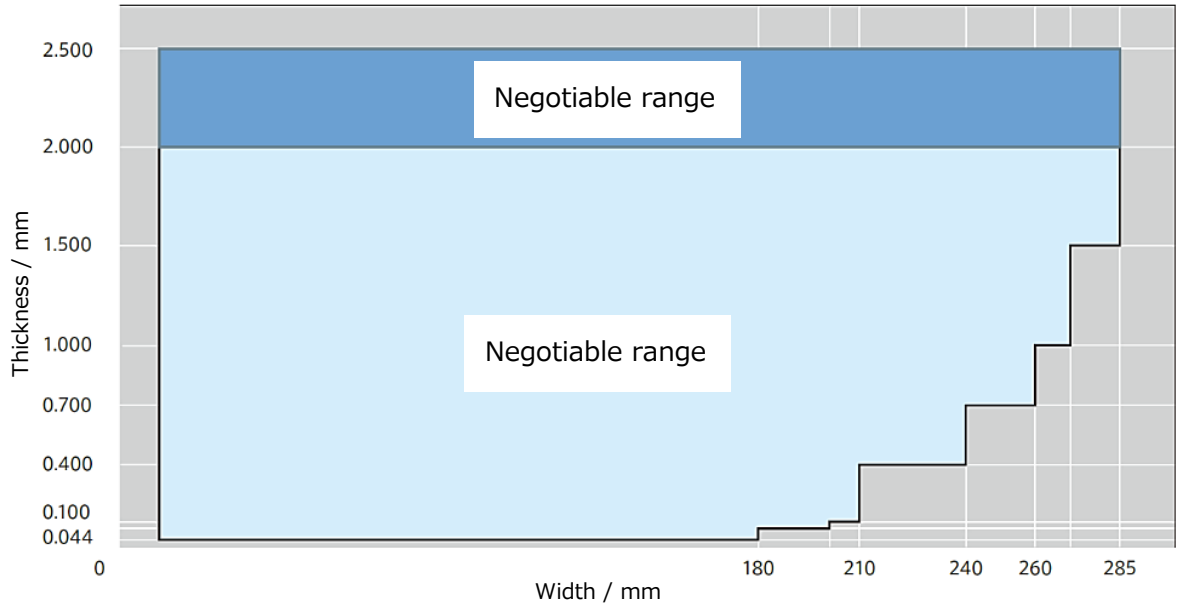
Target Markets: Beyond mobile PCs and high-end smartphones, we expect significant growth in the expanding XR (Extended Reality) device market.

XR (Extended Reality): A collective term for cutting-edge technologies—including Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR)—that merge physical and virtual environments to create immersive new experiences.

Sustainability & Mobility: In line with carbon-neutral goals, the demand for lightweight materials in transportation equipment—particularly in the aerospace and aviation sectors—is rapidly growing.

1. Development Background

As a pioneer in the rolling of magnesium alloys, we have led the industry since starting basic research in 1998. And in 2002, we became the first in Japan to achieve mass production using large-scale coils. This product is widely used in the chassis of personal computers and smartphones, among other applications (Refer to the chart below).
And now by integrating our proprietary rolling and material development technologies, we have established mass-production technology for ultra-thin magnesium alloy foil, reaching a thickness as low as 0.044mm.



*Please contact us for available sizes depending on alloy grades, finishes and widths.

2. Key Features of Magnesium Alloy Foil

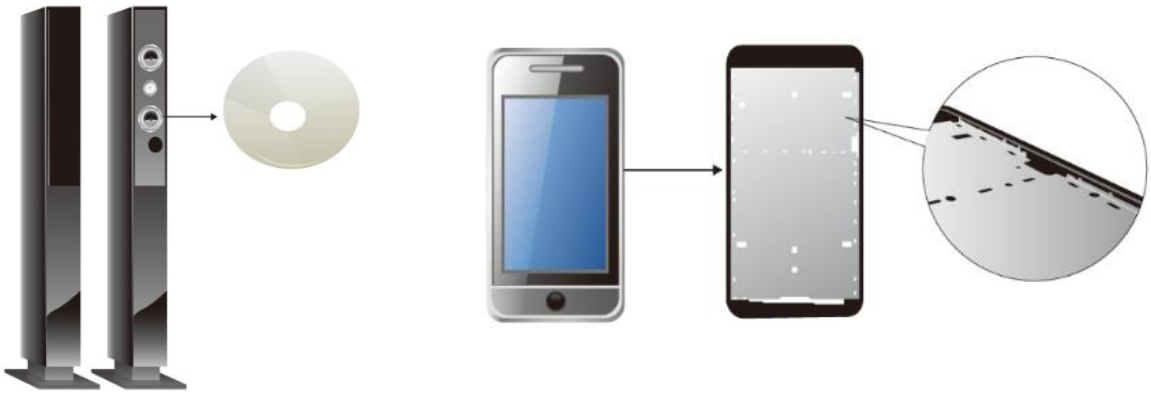
Our Magnesium Alloy Foil provides three distinct advantages for manufacturers:

Feature	Description	Benefit
1. Long-Length Coils	Achieved stable coil production even for difficult-to-roll magnesium.	Enables continuous processing (progressive/transfer press), boosting production efficiency.
2. High Strength & Formability	Maintains strength and plasticity comparable to thicker plates.	Can be press-formed with the same ease as standard-gauge magnesium alloys.
3. Superior Damping	Naturally absorbs vibrations and reduces noise.	Enhances audio quality in speaker diaphragms and improves stability in mobile device chassis.

Product Applications & Specifications

Speaker Diaphragms: Domes (high-frequency) at 0.045mm; Cones (mid-low frequency) at 0.2mm.

Smartphone Chassis: Precision-formed at 0.2mm thickness.



About Our Core Materials

Magnesium Alloy Overview: The lightest practical metal, widely used in medical devices and electronics. Learn More

AZ31B Alloy: Our flagship material since 2002. It balances high strength with excellent warm-forming capabilities. Learn More

Vision: NIPPON KINZOKU 2030

Our 11th Business Plan, "NIPPON KINZOKU 2030," envisions us as a "Multi & Hybrid Material Company creating new value for people and the planet." We focus on three core pillars:

Multi & Hybrid Material: Utilizing a diverse range of materials.

Near Net Shape: Forming materials into shapes close to the final product.

Near Net Performance: Embedding final product performance directly into the material stage.

Through these technologies, we are transforming our business structure to lead the market with innovation and flexibility.

For more information, please visit our Investor Relations page:
https://www.nipponkinzoku.co.jp/en/investor-relations/strategies

Contact for Inquiries Regarding This Product and Technical Information

NIPPON KINZOKU CO., LTD. Production Process & Support Department

https://www.nipponkinzoku.co.jp/en/inquiry