

TANAKA PRECIOUS METAL GROUP Co., Ltd.

TANAKA to Showcase Advanced Semiconductor Materials in its Inaugural Participation at SEMICON India 2025

Highlights its diverse product portfolio and advanced technologies, including both precious and base metals, to support the evolving needs of India's semiconductor industry.

Delhi, 26th August: TANAKA PRECIOUS METAL TECHNOLOGIES Co., Ltd. (Head Office: Chuo-ku, Tokyo; Representative Director & CEO: Koichiro Tanaka), a company engaged in the industrial precious metals business of TANAKA, and **TANAKA ELECTRONICS Co., Ltd.** (Head Office: Kanzaki-gun, Saga Prefecture; CEO: Toshiya Yamamoto), will exhibit for the first time at **SEMICON India 2025** one of the largest international exhibitions in the semiconductor sector, to be held in **New Delhi, India**, from **2nd to 4th Sept 2025**. At the exhibition, we will introduce a comprehensive range of precious metal-based advanced materials and solutions designed for **next-generation semiconductors, power devices, and precious metal recycling**, supporting the realization of a **circular economy**.

TANAKA Deepens Commitment to India's Semiconductor Future

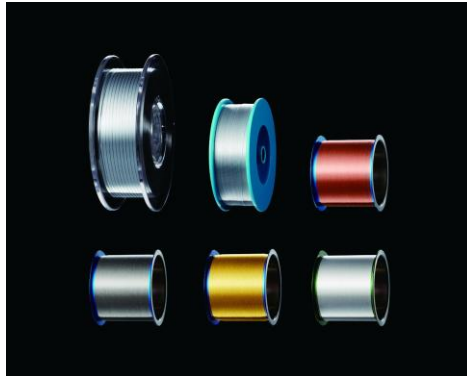
TANAKA strengthened its presence in India with the establishment of TANAKA Kikinzoku Kogyo (India) Ltd. in Mumbai in 2019, serving as a strategic hub for India, the Middle East, and African markets. Currently, our Mumbai base is our core business, focusing on sales and market research. As India accelerates its semiconductor focus, TANAKA is proud to support this growth with globally trusted precious metal technologies and decades of materials expertise.

With a legacy in **packaging materials** dating back to the **1960s**, we are proud to be a **leading semiconductor materials company**. At SEMICON India 2025, we will showcase our advanced materials—including **bonding wires, silver pastes, and precision probe pins**—engineered to support the growing demands of **India's advanced packaging and testing ecosystem**. As we grow alongside India's semiconductor ambitions, we plan to extend our support to front-end manufacturing by introducing sputtering targets engineered for high-purity, uniform thin film deposition—critical for consistent device performance. TANAKA provides proprietary recycling technologies and a comprehensive one-stop solution spanning procurement, processing, manufacturing, sales, and recycling. Built on procurement channels, advanced expertise, product development, research capabilities, and a global network cultivated since our founding, we ensure efficient resource recovery and enhance supply chain resilience. Through this integrated approach, TANAKA advances the circular economy and, as a long-term partner, is committed to supporting next-generation semiconductor manufacturing and contributing to the sustainable growth of industry.

[Main Exhibited Products]

The main products on display will include silver (Ag) sintering paste for bonding semiconductor chips to lead frames or organic substrates, as well as bonding wires made from gold (Au), copper (Cu), and aluminum (Al) for establishing electrical connections between semiconductor chips and external electrodes. Also, featured will be probe pins used in semiconductor testing equipment, targets and deposition materials for dry film formation processes, and precious metal recovery and refining technologies that contribute to the development of a sustainable society.

- [Bonding wires](#)



TANAKA's various bonding wire products

We provide bonding wire and ribbons, such as ultra-fine wires (10-38 μ m) made of gold (Au), silver (Ag), copper (Cu), and aluminum (Al) as connection materials for electrical signals, as well as thick wires (100-500 μ m) for power devices. These bonding wires feature **smooth, clean surfaces** and **excellent dimensional stability**, and are provided as part of an integrated solution that includes our **extensive expertise in metal bonding**.

- [Silver \(Ag\) sintering paste](#)



TANAKA's conductive die bond adhesive Silver (Ag) sintering paste

Conductive die bond adhesive silver (Ag) sintering paste is compatible with **silicon (Si)** for power device applications, as well as **next-generation semiconductors** such as **silicon carbide (SiC)** and **gallium nitride (GaN)**. The product lineup includes a **hybrid bonding type** that offers both **high thermal conductivity** and **exceptional reliability**, along with a **sintering type** featuring thermal conductivity exceeding **200 W/m·K**.

- [Sputtering target](#)



TANAKA`s sputtering target products

We offer a wide range of **sputtering target products** for hard disk drives, semiconductors, and quartz devices. With over **140 years of expertise** in precious metal sourcing and **high-purity refining**, we ensure **stable supply and high performance**. Our strengths include advanced **purification and alloying**, **strict compliance in raw material procurement**, **flexible delivery**, and **comprehensive technical support**. We also actively pursue **R&D** to meet the evolving needs of our customers.

- [Probe Pin Materials](#)



TANAKA`s Probe Pin materials for use in semiconductor testing equipment

TANAKA provides **high-conductivity, wear-resistant probe pin materials** designed for **micro-pitch testing**, with support for customized specifications. As performance requirements vary by application—ranging from mechanical properties such as **hardness and flexibility** to electrical properties such as resistivity—we offer a broad lineup of materials including **palladium alloys, copper alloys, iridium, and rhodium**. In recent years, demand has increased for greater hardness to reduce wear at the plunger tip of Pogopin. While the maximum hardness of palladium alloys available in the market has conventionally been around 560 HV, through our proprietary technology we have successfully developed a new material, “**TK-SK**,” that achieves a hardness of 640 HV.

- Precious metal recycling



TANAKA's one-stop service to realize sustainable semiconductor industry

TANAKA have developed **precious metal recovery and refining services**, providing a **one-stop recycling solution** from collection and refining to remanufacturing, built on a foundation of **trust, confidence, and advanced technology**. We are committed to the **efficient recycling of rare and valuable resources** such a precious metal, and TANAKA actively contributes to the realization of a **sustainable society**.

[Exhibition Overview – SEMICON India 2025]

- **Exhibition Name:** SEMICON India 2025
- **Dates:** September 2 (Tue) – 4 (Thu), 2025 | 9:00 AM – 5:00 PM (local time in India)
- **Venue:** Yashobhoomi (IICC), New Delhi, India
- **Booth Number:** 469
- **Main Exhibits:** Bonding wires, Ag sintering paste, sputtering targets & deposition materials, probe pins, precious metal recycling & refining

For more details on TANAKA products for semiconductor industry, please refer to the URLs below:

- **Semiconductor Fabrication and TANAKA**
<https://tanaka-preciousmetals.com/en/solution/main-product/product07/>

About TANAKA ELECTRONICS Co., Ltd.,

Head office: 2303-15, Yoshida, Yoshinogari-cho, Kanzaki-gun, Saga

Established: 1961

CEO: Toshiya Yamamoto

Capital: JPY 1,880 million

Sales: JPY 29,780,383,000 (FY2024)

Employees: 871 (including overseas subsidiaries) (December 31, 2024)

Main businesses: Manufacturing of high-purity bonding wires

About TANAKA

Since its foundation in 1885, TANAKA has built a portfolio of products to support a diversified range of business uses focused on precious metals. TANAKA is a leader in Japan regarding the volume of precious metals it handles. Over many years, TANAKA has manufactured and sold precious metal products for industry and provided precious metals in such forms as jewelry and assets. As precious metals specialists, all Group companies in Japan and worldwide collaborate on manufacturing, sales, and technology development to offer a full range of products and services. With 5,591 employees, the group's consolidated net sales for the fiscal year ended December 2024 were 846.9 billion yen.

■ TANAKA Industrial Precious Metal Materials Portal

<https://tanaka-preciousmetals.com>

■ Product inquiries

TANAKA PRECIOUS METAL TECHNOLOGIES Co., Ltd.

<https://tanaka-preciousmetals.com/en/inquiries-on-industrial-products/>

■ Press inquiries

TANAKA PRECIOUS METAL GROUP Co., Ltd.

<https://tanaka-preciousmetals.com/en/inquiries-for-media/>