

June 18, 2024

JX Advanced Metals Corporation

## **Decision to Increase Capacity for Full-Scale Production of CVD and ALD Materials for Next-Generation Semiconductors**

JX Advanced Metals Corporation (President: Hayashi Yoichi; “the Company”) has decided to invest in production and development facilities within the Chigasaki Plant Premises of Toho Titanium Co., Ltd. and in the Shirogane area of the Company’s Hitachi Works, in preparation for the full-scale supply of CVD and ALD materials for next-generation semiconductors, which are seeing growing demand.

As generative AI continues to evolve, the market for data centers and IoT devices equipped with AI is expanding. High-performance semiconductors require for these devices demand further miniaturization and multi-layering to achieve higher integration, in turn increasing need for thin film deposition solutions using CVD and ALD. In February 2024, the Company established the CVD • ALD Material Business Promotion Office, aiming to accelerate the commercialization of these materials. Under this organization, the Company to build a mass production line for new, high-purity CVD and ALD materials and ship samples to customers, which have been received positively. The Company has now decided to increase production capacity in anticipation of a rapid increase in demand as a result of the full-scale adoption of these materials. The Company plans to install and begin operation of production equipment at the Chigasaki Plant in the second half of FY2024, and at the Hitachi Works in the first half of FY2025. At the same time, the Company will enhance its facilities toward the development of new processes and new materials in preparation for the future expansion of this business. As semiconductors rapidly increase in sophistication, the Company will work to meet growing demand and support the evolution of this technology.

As a global leader in semiconductor and information and communications materials, the Company will continue to contribute to progress and innovation toward a sustainable society through the development and supply of high-performance, highly functional advanced materials.

Reference:

Press Release dated January 26, 2024: “[Announcement of Organizational Changes](#)”