UNIVERSAL DISPLAY CORPORATION

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Universal Vapor Jet Corporation Unveils Global Headquarters and R&D Center in Singapore

- UVJC's breakthrough dry, solvent-free printing and deposition technology strengthens Singapore's leadership in advanced manufacturing
- Target industry applications include semiconductors, electronics, life sciences, and renewable energy

SINGAPORE--(BUSINESS WIRE)-- Universal Vapor Jet Corporation (UVJC), a wholly-owned subsidiary of Universal Display Corporation (UDC) (Nasdaq: OLED), today announced the launch of its global headquarters and R&D center in Mapletree Hi-Tech Park @ Kallang Way, Singapore.

Chandran Nair, CEO, UVJC at the Singapore HQ

The 8,000-square-foot facility includes the company's global headquarters, its state-of-the-art research and development (R&D) center, laboratory, and prototype manufacturing space to support innovation and commercialization of its proprietary Universal Vapor Jet Printing (UVJP) technology.

Over the next five years, UVJC plans to invest SGD 50 million (~$39 million USD) in tools, equipment and talent to accelerate the research and commercialization of UVJP.

UVJC's new Singapore headquarters will create high-value jobs across strategy, technology, and advanced engineering. With support from the Singapore Economic Development Board (EDB), UVJC is building a multidisciplinary workforce that anchors next-generation R&D and manufacturing capabilities in Singapore, with process and product engineers, software, electronics, and mechanical specialists. These roles not only strengthen the local deep-tech talent base but also help position Singapore as a global hub for precision manufacturing innovation.

Revolutionizing thin-film printing and deposition with UVJP

UVJP is a transformative dry, solvent-free printing and deposition technology designed to meet the growing demands of precision additive manufacturing while offering greater efficiency and sustainability. By revolutionizing thin-film jet printing technology, UVJC believes its platform could open the door to creating devices and materials that are not achievable with traditional techniques, while implementing cleaner, faster and more intelligent manufacturing.

"At UVJC, we're not just building equipment, we're building the foundation for the next generation of clean manufacturing. Our platform can print materials with micro precision, without solvents or masks, and is poised to open new possibilities across semiconductors, displays, life sciences, and clean energy," said Chandran Nair, CEO, UVJC. "We chose Singapore as our headquarters because of its thriving manufacturing and innovation ecosystem, along with its skilled talent base. With institutional partners like the EDB and A*STAR, we are ready to serve global innovation and manufacturing markets, while anchoring the next phase of growth."

With over 26 years of global leadership experience, Mr. Nair brings deep operational expertise across Asia, Europe, and the United States, positioning UVJC to redefine advanced manufacturing. He's demonstrated his success in senior roles at AEM Holdings and National Instruments, where he drove Asia-Pacific region business growth and led technology and robotics initiatives. Building on this strong leadership foundation, UVJC's commitment to innovation is underscored by its

decision to anchor its research and operations in Singapore.

“We welcome UVJC’s decision to establish its global headquarters and R&D center in Singapore. This investment will not only create new job opportunities in advanced printing and manufacturing technologies, but will also deepen Singapore’s research capabilities in semiconductors, healthcare and materials science through collaboration with local partners like A*STAR,” said Marcus Dass, Senior Vice President and Head, Global Enterprises, Singapore Economic Development Board.

Enabling the Future of Advanced Manufacturing in Singapore

Through partnerships with local research institutions, universities and global industry players, UVJC plans to co-develop tailored solutions and intellectual property (IP) that support greener, faster and more precise production.

UVJC will be exploring collaborations with several A*STAR Research Institutes, including the Institute of Microelectronics (IME), the Institute of Materials Research and Engineering (IMRE), and the Singapore Institute of Manufacturing Technology (SIMTech) in areas such as advanced manufacturing, semiconductors, and healthcare technologies. Researchers from both organizations will also be facilitating the joint development of advanced technologies, materials, and processes that have strong potential for commercialization.

“UVJC’s establishment of its global headquarters and R&D center in Singapore underscores the importance of deep-tech partnerships in advancing sustainable manufacturing. A*STAR looks forward to building deep partnerships with companies like UVJC that are committed to invest and grow in Singapore, combining our complementary strengths to deliver industry and societal impact,” said Beh Kian Teik, Chief Executive Officer, Agency for Science, Technology and Research (A*STAR).

From OLED to Universal Applications

UVJP evolved from Organic Vapor Jet Printing, a proprietary process manufacturing platform developed by Universal Display Corporation for OLED displays. OVJP offers solvent-free, mask-free deposition of organic molecules designed to overcome challenges faced by current deposition methods in manufacturing large OLED displays, while also providing a cleaner, more efficient, and more precise alternative to older methods.

UVJC is now extending the technology's potential into new application areas and industries, to create tools that will help bridge the gap between laboratory research and industrial-scale applications. Opportunities include cleaner semiconductor chip packaging, and, in the long run, innovative pharmaceutical smart dosing appliances as well as more efficient production of solid-state battery electrolytes and organic photovoltaics for renewable energy systems. UVJC’s focus is first to demonstrate real-world use cases with industrial-scale adoption to follow as processes are validated.

“UVJC is extending our novel dry printing and precision additive manufacturing platform into exciting new application areas with transformative potential,” said Steven V. Abramson, President and CEO of Universal Display Corporation. “UVJC’s grand opening marks a pivotal step in the evolution of Universal Vapor Jet Printing—advancing toward more efficient, cost-effective manufacturing across a range of industries. Under Chandran’s leadership, the team has built a world-class operation. Singapore’s vibrant advanced manufacturing ecosystem and renowned research institutions make it a well-positioned base for turning cutting-edge science into market-ready solutions. At UDC, our mission is to envision possibilities and innovate to make them a commercial reality. We’re proud to support Chandran and the UVJC team as they drive this groundbreaking technology forward to serve customers and industries around the world.”

About Universal Vapor Jet Corporation

Universal Vapor Jet Corporation (UVJC), a wholly-owned subsidiary of Universal Display Corporation (UDC), is at the forefront of developing cutting-edge tools and processes that bridge the gap between laboratory research and industrial-scale applications. UVJC leverages its proprietary Universal Vapor Jet Printing (UVJP) technology to offer scalable,

solvent-less, and mask-less thin-film print and deposition solutions across a spectrum of industries, including semiconductors, electronics, life sciences and renewable energy. The innovative technology is designed to meet the growing demands of precision manufacturing while offering greater efficiency and sustainability. UVJC was established in 2024 and is headquartered in Singapore. To learn more about Universal Vapor Jet Corporation, please visit https://uvjc.com/.

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