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Vuzix (NASDAQ: VUZI) Employs New Micro-touch Imprinting Process to Increase Optical Waveguide Performance and Production Throughput

New manufacturing process enables higher yields, increased optical performance and the use of high index polymer or glass substrates

ROCHESTER, N.Y., Aug. 13, 2024 /PRNewswire/ -- Vuzix® Corporation (NASDAQ: VUZI), ("Vuzix" or, the "Company"), a leading supplier of smart glasses and Augmented Reality (AR) technology and products, is pleased to announce that it has developed a new micro-touch manufacturing technique within its optical waveguide fabrication processes, an advancement that will allow for better optical performance, higher yields and greater unit production rates in general.



Micro-touch imprinting will boost waveguide production rates at Vuzix' state-of-the-art facility

At Vuzix' state-of-the-art waveguide manufacturing facility, the production of waveguides is a complex multi-step process performed in class 1000 clean room environments using highly customized equipment designed to support the exacting requirements needed to produce in volume the high-quality waveguides required for imaging purposes in smart glasses. Over the past 14 years, Vuzix has continued to enhance its waveguide manufacturing capabilities through its development and use of new equipment and processes to improve yields, add features, increase performance, and boost production rates. The recent introduction of micro-touch manufacturing techniques during the waveguide imprinting process not only improves yield by reducing the forces that can distort substrates during the imprinting process, but also allows for the introduction of more fragile substrates such as polymers or thinner glass.

"It is generally well known today that the high-volume low-cost production of waveguides is one of the major challenges to bringing affordable AR smart glasses with see-through displays to the broader markets," said Paul Travers, President and Chief Executive Officer at Vuzix. "More and more leading firms, such as Garmin and Quanta, as well as many other customers currently in discussions with us, see Vuzix as the go-to supplier of this key component. The addition of innovative process developments at Vuzix like these will help support production rates in the millions of units annually, as well as further differentiate our competitive capabilities."

About Vuzix Corporation

Vuzix is a leading designer, manufacturer and marketer of Smart Glasses and Augmented Reality (AR) technologies and products for the enterprise, medical, defense and consumer markets. The Company's products include head-mounted smart personal display and wearable computing devices that offer users a portable high-quality viewing experience, provide solutions for mobility, wearable displays and augmented reality, as well OEM waveguide optical components and display engines. Vuzix holds more than 375 patents and patents pending and numerous IP licenses in the fields of optics, head-mounted displays, and augmented reality Video Eyewear field. Moviynt, an SAP Certified ERP SaaS logistics solution provider, is a Vuzix wholly owned subsidiary. The Company has won Consumer Electronics Show (or CES) awards for innovation for the years 2005 to 2024 and several wireless technology innovation awards among others. Founded in 1997, Vuzix is a public company (NASDAQ: VUZI) with offices in: Rochester, NY; and Kyoto and Tokyo, Japan. For more information, visit the Vuzix [website](#), [Twitter](#) and [Facebook](#) pages.

Forward-Looking Statements Disclaimer

Certain statements contained in this news release are "forward-looking statements" within the meaning of the Securities Litigation Reform Act of 1995 and applicable Canadian securities laws. Forward looking statements contained in this release relate to Vuzix waveguides, its new manufacturing processes, their benefits, costing, and future production capacities, and among other things the Company's leadership in the Smart Glasses and AR display industry. They are generally identified by words such as "believes," "may," "expects," "anticipates," "should" and similar expressions. Readers should not place undue reliance on such forward-looking statements, which are based upon the Company's beliefs and assumptions as of the date of this release. The Company's actual results could differ materially due to risk factors and other items described in more detail in the "Risk Factors" section of the Company's Annual Reports and MD&A filed with the United States Securities and Exchange Commission and applicable Canadian securities regulators (copies of which may be obtained at www.sedar.com or www.sec.gov). Subsequent events and developments may cause these forward-looking statements to change. The Company specifically disclaims any obligation or intention to update or revise these forward-looking statements as a result of changed events or circumstances that occur after the date of this release, except as required by applicable law.

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