HARMAN International selects Arch Systems to be part of their industry 4.0 initiative

Palo Alto, CA – January 10, 2022 – Arch Systems today announced that HARMAN International, a wholly-owned subsidiary of Samsung Electronics, Co., Ltd. focused on connected technologies for automotive, consumer, and enterprise markets, has selected Arch Systems as a solution provider for connection, architecture, and analytics for their electronics manufacturing production with a focus on surface mount technology (SMT) equipment.

"We're deploying Arch's technology globally to capture key analytics information to drive SMT production efficiencies, and to start using AI more effectively in our factories," shares Ehab Beshay Sr. Director AME, Industry 4.0 and Digital Transformation at HARMAN International. "In choosing Arch, speed was critical, both on how quickly they could deploy connectivity to both new and older SMT machines, as well as the speed at which they have and are continuing to adapt the advanced analytics to our production environment."

HARMAN was seeking a solution to drive digitization and optimization across its manufacturing footprint, which spans different components, but is most heavily concentrated on electronics manufacturing. Arch is a leader in machine data and analytics with specific expertise on front-end electronics processes and surface-mount-technology machines, so there was a natural fit between the companies.

"HARMAN has a smart approach to manufacturing," said Andrew Scheuermann, Arch CEO. "We're excited to be working with Ehab and the global team to help enable this fundamental digitization. Beyond connectivity, rapid progress has been made with our domain-specific data scientists collaborating with HARMAN's domain-specific regional and global operations experts, a great example of combining human and machine intelligence. This is a cornerstone principle to capture the massive ROI potential in factory digitization."

Arch Systems is tasked with supplying real-time access to and analysis of SMT lines' manufacturing data at all of HARMAN's facilities. The companies are collaborating to expand capacity, increase efficiency, and further build on HARMAN's well-known manufacturing quality standard with data and AI as a part of HARMAN's Industry 4.0 program.

ABOUT ARCH

Arch® works with top-tier global manufacturers to extract data from any machine, both new and legacy, to unlock data governance and drive uniform metrics for enhanced productivity and predictive analytics. The ArchFX Platform empowers electronics manufacturers to reclaim 20-60% of valuable machine performance and line utilization losses. Every day, Arch extracts data from thousands of SMT machines worldwide, accelerating Industry 4.0 and enabling real-time visibility and actionable insights into some of the most complex problems manufacturers face today.

ABOUT HARMAN

HARMAN (harman.com) designs and engineers connected products and solutions for automakers, consumers, and enterprises worldwide, including connected car systems, audio and visual products, enterprise automation solutions; and services supporting the Internet of Things. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon®, Mark Levinson® and Revel®, HARMAN is admired by audiophiles, musicians and the entertainment venues where they perform around the world. More than 50 million automobiles on the road today are equipped with HARMAN audio and connected car systems. Our software services power billions of mobile devices and systems that are connected, integrated and secure across all platforms, from work and home to car

and mobile. HARMAN has a workforce of approximately 30,000 people across the Americas, Europe, and Asia. In 2017, HARMAN became a wholly-owned subsidiary of Samsung Electronics Co., Ltd.

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