

Digitization Drives Korean Industrial Innovation

South Korean manufacturers combine digitalization with expertise to help global partners move faster.

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As competition in global markets continues to evolve, manufacturers need partners who are both reliable and adaptable. South Korea's ppalli-ppalli culture emphasizes speed and efficiency, shaping its approach to digitization, AI and manufacturing.

Korea's high level of digitalization, especially in the medical sector, makes it fertile ground for the development of new technology. i-SENS combines that digital infrastructure with its biosensor technology, clinical research and manufacturing expertise to develop continuous glucose monitoring systems. "Korea is an excellent test market because people adopt new technologies quickly, and the healthcare system enables companies to introduce and evaluate innovative ideas at an early stage," co-founder and CEO Hakhyun Nam, Ph.D., said.

DRGEM leverages Korea's highly developed technological environment to modernize medical imaging by improving workflow efficiency and expanding access to diagnostic imaging. J.B. Park, Ph.D., president and CEO, said health care providers today need technologies that simplify workflows while making high-quality diagnosis more accessible. Through continuous innovation, practical solutions and reliable support, the company helps health care providers deliver better care to more patients. "Technology should make quality healthcare more accessible," he said.

In food, Dong Bang Food Master Co., Ltd. leveraged digital technology and AI to digitize over 3,000 of its recipes, and it has drastically reduced development time for its global clients. "Researchers can begin with an existing foundation and then refine details more precisely, rather than starting from zero every time," Jung-wan Jae, CEO, said. This improves speed, consistency and quality with development based on accumulated data rather than trial and error.

That innovative spirit carries across industries. As K-beauty captures attention and algorithms, success can be found in products that capture trends early and brands that can move quickly. "Korean companies work very hard," ADWIN KOREA CORP CEO and Representative Director Hanwook Park said. "There is a strong culture of speed, execution and constant improvement." The company's diverse product portfolio is a testament to its adaptability, which includes everything from skincare to vitamin capsules.

CTK coordinates product development, packaging and distribution for beauty brands, bringing fragmented touchpoints under a single roof. President In Yong Chung described the company's vision as becoming the Google of cosmetic product development and the Amazon of beauty development.



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