



SAMICK THK BRIEF

World Class Creative Value Creator on Space & Motion

SAMICK THK, which is a world-class smart factory solution company creating the value of space and motion, is creating the new history and values exclusive to SAMICK THK based on its unwavering challenge-taking spirit & innovation.

Total assets  **KRW 473.6 bil**

Capital  **KRW 10.5 bil**

Sales  **KRW 315.6 bil**

Employees  **705 persons**

Based on consolidated financial statements (2023.12)



SINCE 1960

- **Date of foundation May 10, 1960**
- **1960 – 1989.** Dominated South Korea through files & rasps.
- **1990 – 2003.** Launched as a technology-intensive company with LM guide.
- **2003 – 2013.** Enhanced technological competitiveness by diversifying its business lines.
- **2014 – Present.** Embarked on a journey as a smart factory solution powerhouse!

INTRODUCTION

Corporate form		Listed corporation
Major business		Smart factory solution business, motion business
CEO		Jin Yeong-hwan (陳榮煥), Jin Joo-wan (陳注完)
Head office		163 Seongseo-dong-ro, Dalseo-gu, Daegu city (Woram-dong)
WORKPLACE		Pyeongtaek, Suwon, Technopolis, Headquarters, Dasan Plant, Seoul Sales Headquarters, etc
Networks		Domestic network Global network



Space & Motion

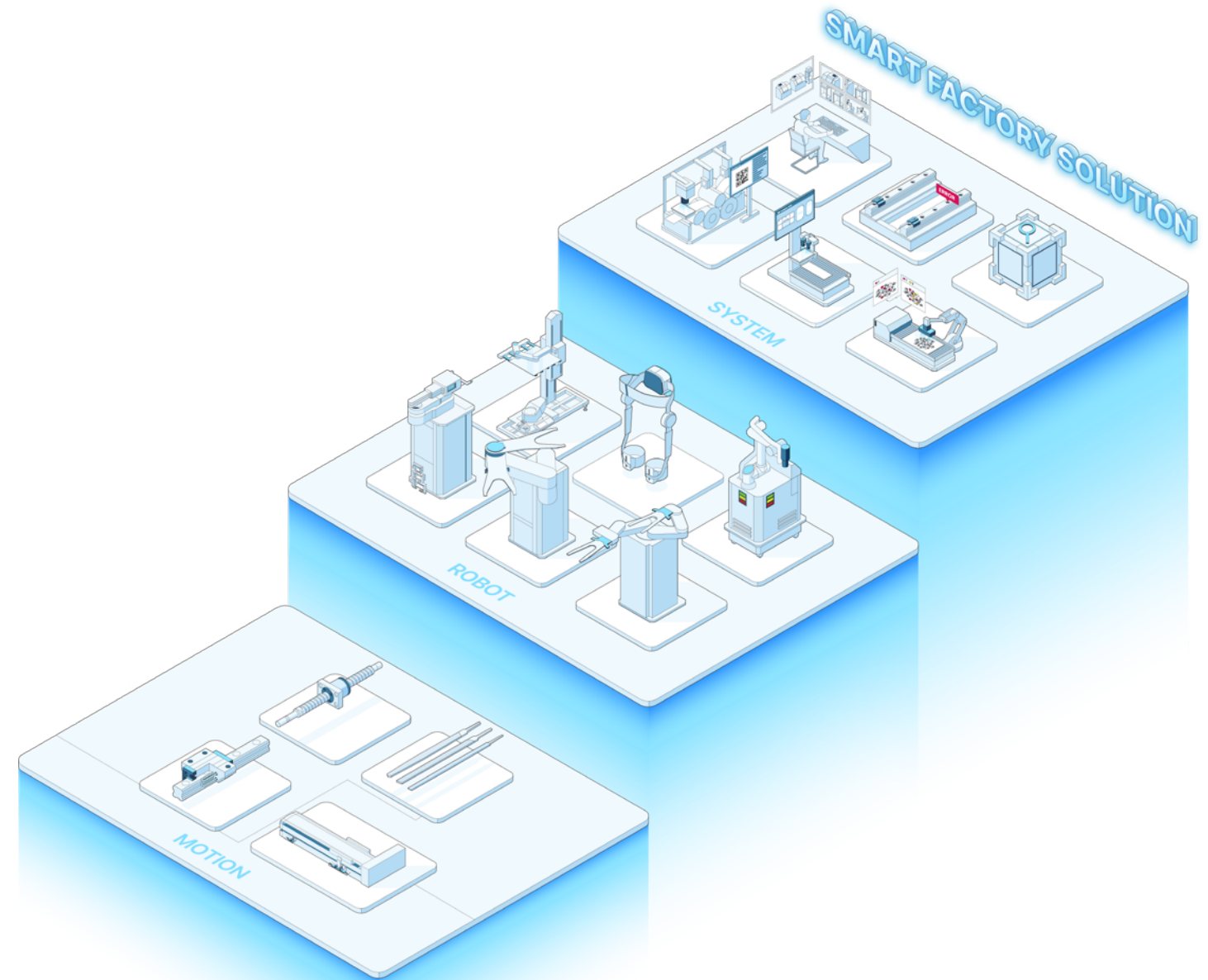
We are expanding the values of continuous space with solutions leading the creation of smart factories going beyond SAMICK THK's motion that has maintained its No.1 ranking for 60 years with proprietary precise technology.

Space

We provide customized optimal smart solutions catering to our customers at various industrial sites, along with robots, equipment, and systems contributing to enhanced smart factories.

Motion

We set the bar in achieving customer satisfaction with the LM system boasting No. 1 brand power, actuators that can be tailored to a wide array of customers, and files and rasps known for world-class perfection and quality.



Detailed view of

SAMICK THK
Space



Detailed view of

SAMICK THK
Motion

Smart Factory Solution

ROBOT

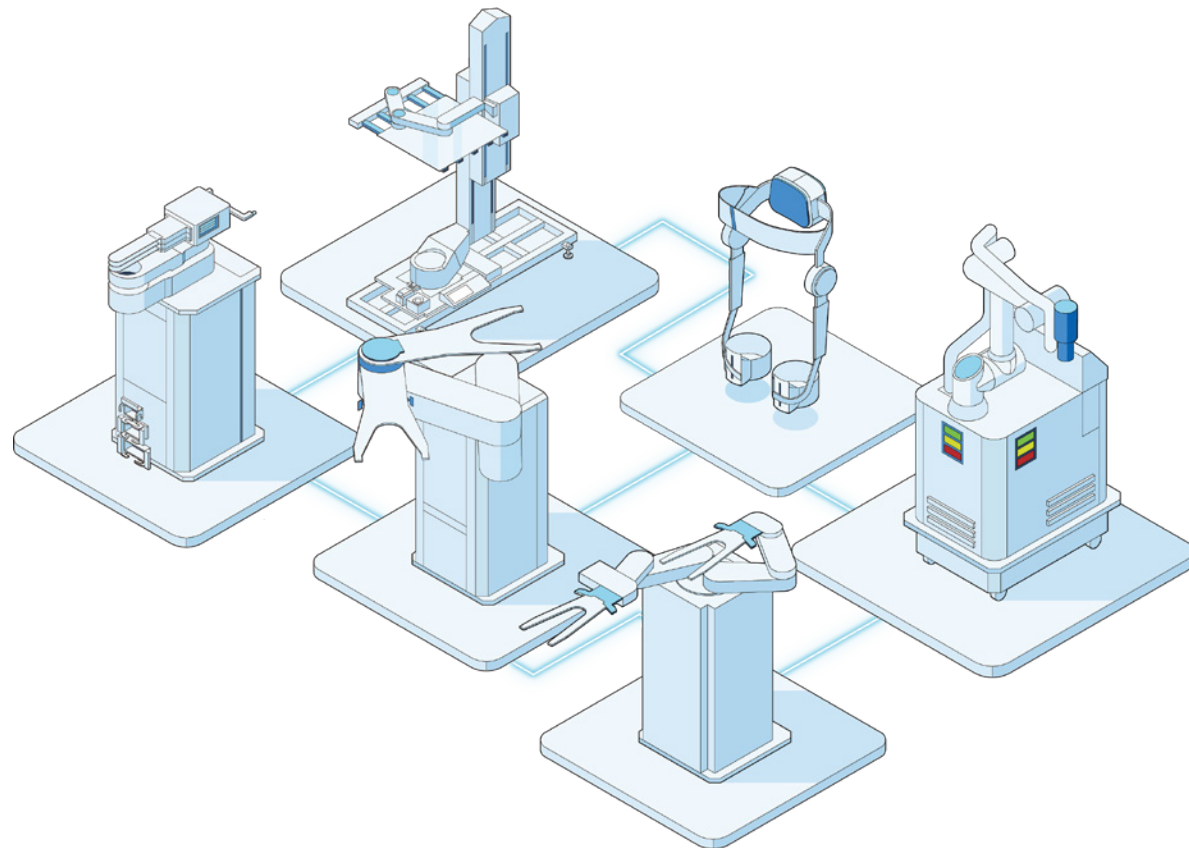
We have been mass producing various customer-tailored robots from the early 2000s, and are equipped with robot design, control, and mass production technologies.

We plan to enter diverse areas including healthcare, beyond the domain of industrial robots, starting off with wearable robots through a technology transfer agreement with KIST. SAMICK THK is poised to establish an extensive robot ecosystem encompassing B2B and B2C to cater to various customer needs and lead the market.



Detailed view of

SAMICK THK
Robot Products



Industrial Transfer Robot



- ✓ Cylindrical, cylindrical & single post-type robot;
- ✓ Possesses various types of line-up sought by customers

Wafer Transfer Robot



- ✓ SCARA, cylindrical-type robot
- ✓ Possesses various line-up according to wafer size

Wearable Robot



- ✓ Ultra-light hip wearable robot capable of omnidirectional walking/ balance support
- ✓ Personalized walking support system using AI convergence technology

Mobile Manipulator



- ✓ Creates free stroke space by combining both autonomous mobile & collaborative robots
- ✓ Easy to work and operate in wide space or even narrow space with just one robot

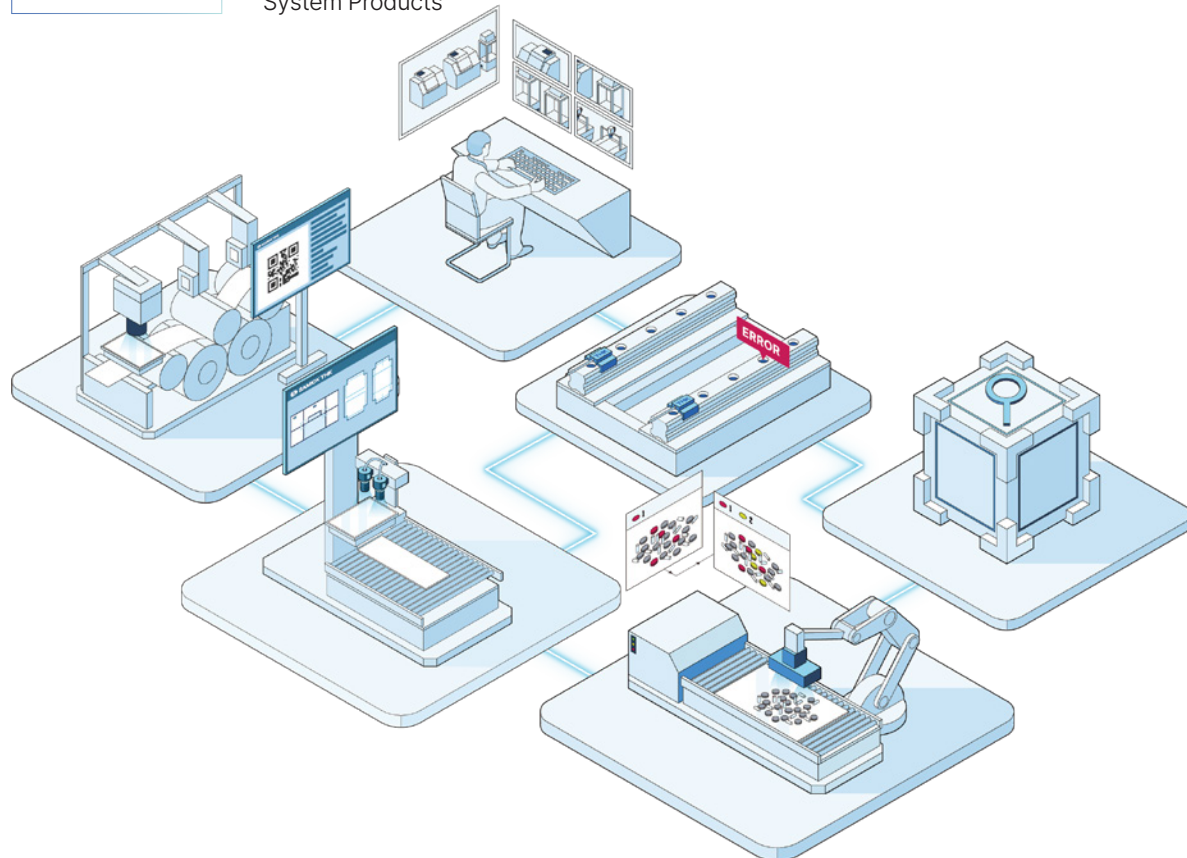
SYSTEM

We support the improvement of product quality and enhancement of productivity in line with the unit sought by customers at smart factories, through continuous development of the optimal vision inspection system for customers and the data management system utilizing identification technology.



Detailed view of

SAMICK THK
System Products

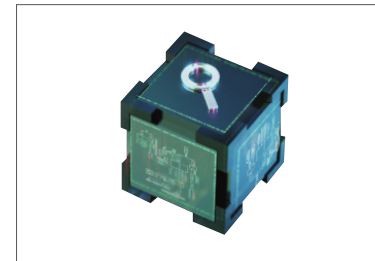


Vision system



- ✓ Derives desired results by processing videos & images acquired through the camera according to their purpose
- ✓ Maintains quality and supports enhancement of productivity

History management system



- ✓ Realizes data management and reporting system by utilizing identification technology for units demanded by customers
- ✓ Sets up initial large-scale lines through convergence technology & flexible global response
- ✓ Designs and applies optimal algorithm

Predictive maintenance system (OMNledge)



- ✓ Digitizes equipment status by attaching sensors to linear motion systems
- ✓ Automatically constructs a network by installing dedicated sensors to THK parts
- ✓ Prevents halting of production facilities due to breakdown, and enhances productivity through predictive maintenance

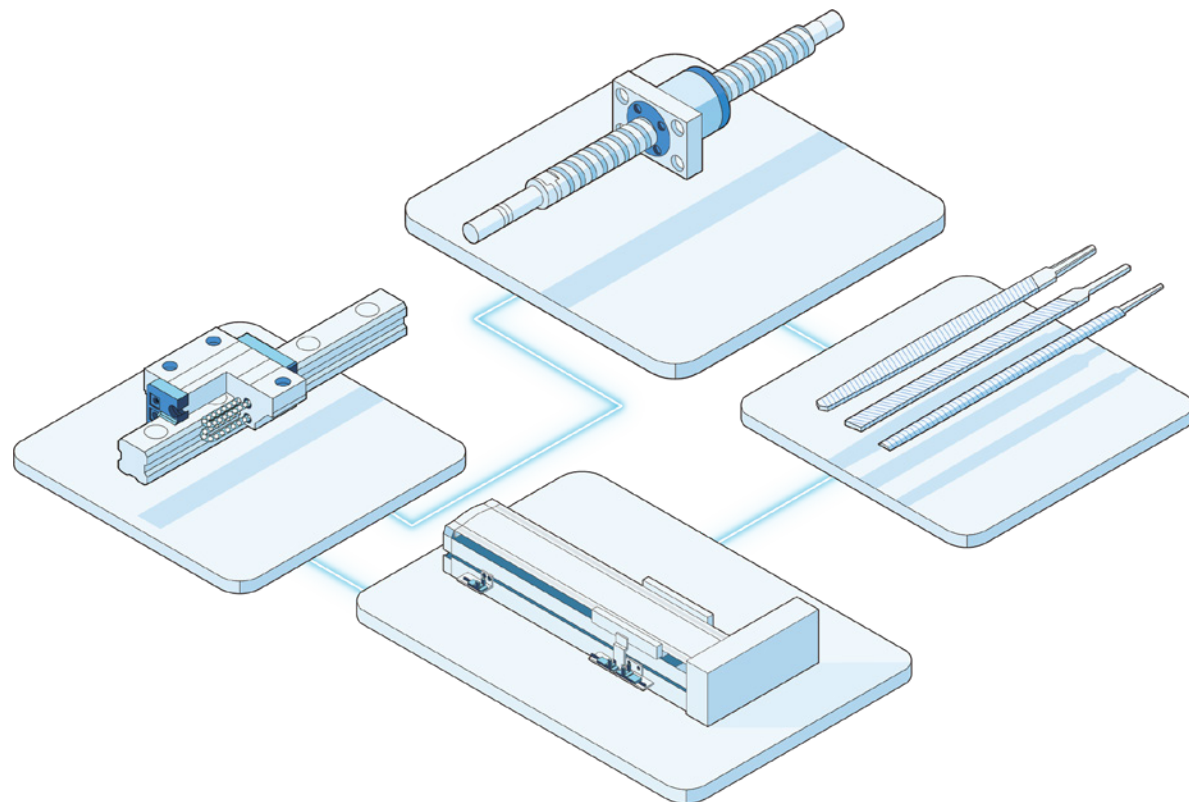
MOTION

We set the bar in achieving customer satisfaction with the LM system boasting No. 1 brand power for Korea's best production capacity and superior technology, actuators that can be tailored to a wide array of customers, and files and rasps known for world-class perfection and quality.



Detailed view of

SAMICK THK
Motion Products

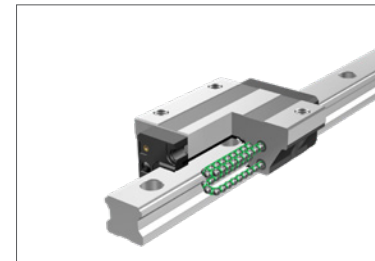


Actuators



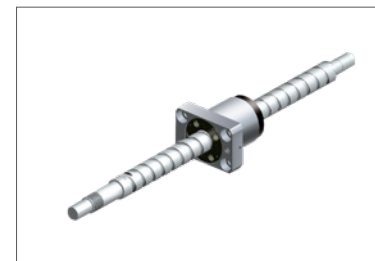
- ✓ Actuation unit product with high cost-effectiveness by constituting standardized units
- ✓ Guarantees high quality and supports after-service by applying our production transfer components

LM guide



- ✓ Linear guidance equipment in which the ball inside the block circulates endlessly;
- ✓ Achieves high precision, high rigidity, high speed & long-lasting durability of machinery

Ball screws



- ✓ Highly efficient feed screw through the rolling motion of a ball located between the screw shaft & nut
- ✓ Optimizes energy-saving of a drive motor

Files



- ✓ Manual tools treated by heat by erecting a file blade on the surface of the tool steel material;
- ✓ Exported to the U.S. for the first time in South Korea

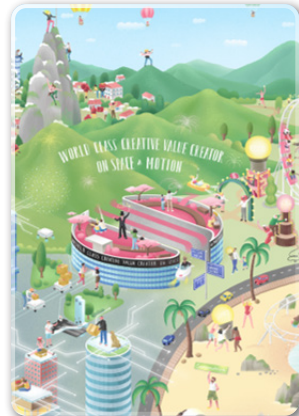
**Do you want to know about
SAMICK THK products & solutions?**



Go to SAMICK Insight
to learn about key technologies
in just 1 minute



**Do you want to easily comprehend
SAMICK THK culture?**



Go to SAMICK Play
to experience corporate culture
in a fun way

