

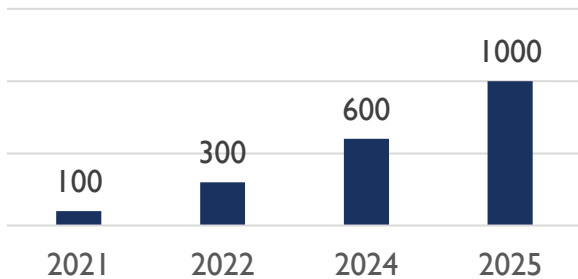


ADVANCED MANUFACTURING - ROBOTICS

South Korea has announced to support 1,000 smart factories combined with 5G and AI capabilities by 2025; Accordingly, South Korea’s conglomerates, small businesses, and foreign companies are urging to make the smart factory transformation.

According to DACO Intelligence 2020 report, “2020 IoT and AI based smart factory technology development strategy and market outlook”, the global smart factory market will reach to \$205.4 billion by 2022, a 9.3% up annually. On the other hand, South Korea’s market for smart factory is expected to reach to \$12.76 billion by 2022, which is the second-fastest growth in Asia after China with 12.2% annual growth.

Number of 5G & AI smart factories in S. Korea by 2025



Source: Ministry of SMEs and Startups

South Korea’s major suppliers of smart factory solutions

Conglomerates;

Samsung SDS, Posco ICT, CJ OliveNetworks

Telecom Companies;

SKT, KT, LG U Plus

Automation Robotics;

LS Electrics, Hyundai Robotics

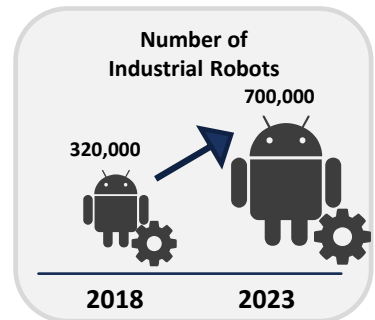
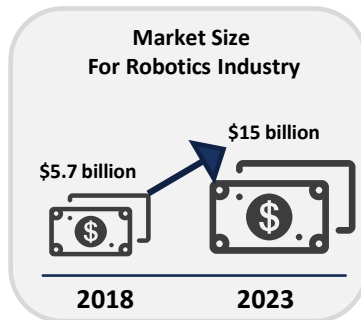
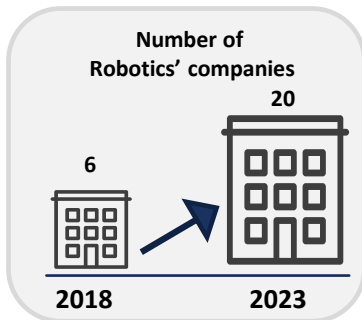
SMEs;

Testar-Hommel, ThiRA-UTECH, Zin Corporation

Foreign Companies;

Siemens, Schneider Electric

In the era of industry 4.0, the robotics market also became an important sector for the nation's future growth engine. Currently, nearly 70% of the total robot market are industrial robots. The Korea SMEs and Startups Agency’s report in 2019 mentioned the largest demand for industrial robots worldwide is the automotive industry and the electric & electronics industry which are expected to accelerate the growth of the eco-friendly automotive market for electricity and hydrogen cars. Since the robot industry has become a key subject of industry of 4.0 that Korean government is spending \$15 billion to expand the business market by 2023.



Source 1: <https://www.mk.co.kr/news/business/view/2020/07/782123/>

Source 2: Korea SMEs and Startups Agency

Source 3: Image <http://www.aitimes.kr/news/articleView.html?idxno=13528>

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