



# Company Introduction

Park Systems

IR Team



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# Introduction



- Park Systems is at the forefront of advanced nanotechnology, delivering innovative solutions enabling research and industry to achieve unprecedented precision and progress.
- Our state-of-the-art AFM technology facilitates breakthroughs across a broad spectrum of sectors — including semiconductors, biotechnology, and secondary battery development — continually setting new benchmarks in accuracy and performance.



# Customers

- Park Systems' Atomic Force Microscopes (AFMs) are extensively used for nanoscale measurements by leading global universities, government-funded research institutes, corporate research centers, and major semiconductor and other business-related companies worldwide.





# Global Channels

- Park Systems boasts a significant global network, with offices and partners spanning in the Americas, Europe, Asia, and Oceania.





# Key Products and Services

- Park Systems supplies advanced AFMs and continues to enhance its metrology capabilities through the strategic acquisition of companies such as Accurion and Lyncée Tec.

- Material Science & Chemistry



FX40



FX200



NX10



NX20



NX-Hivac

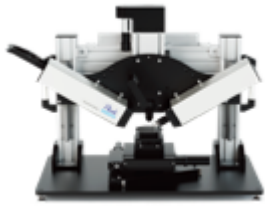


NX12

- Thin Film Characterization



Accurion EP4



Accurion SIMON



Accurion RSE

- Semiconductor & Display



NX-Wafer



NX-Mask



NX-Hybrid WLI



NX-TSH

- Holography-based microscope



Lyncée Tec R2100



Lyncée Tec R2100





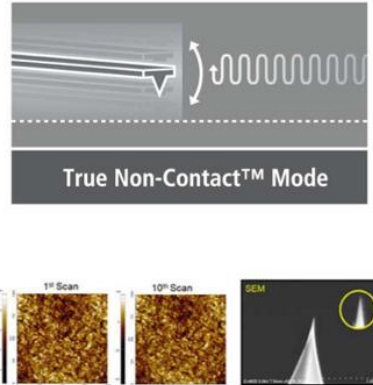
# Innovative technology

- Monitoring the surface topography using **interaction**(Atomic Force) between the tip and the sample surface.
- Measuring the **Electrical, Mechanical, Magnetic, Thermal, and Topography** properties
- **True Non-Contact mode**, optimized for both research and industrial applications.



## Measurement Accuracy

Park AFM Scanners  
Decoupled XY & Z Scanners



## Best Resolution

Park AFM Mode  
True Non-Contact™ Mode



## User Convenience

Park Operating Software  
SmartScan™, SmartAnalysis™, XEA

Source : ParkSystems Youtube( <https://www.youtube.com/watch?v=wiFCYFrXkek> )

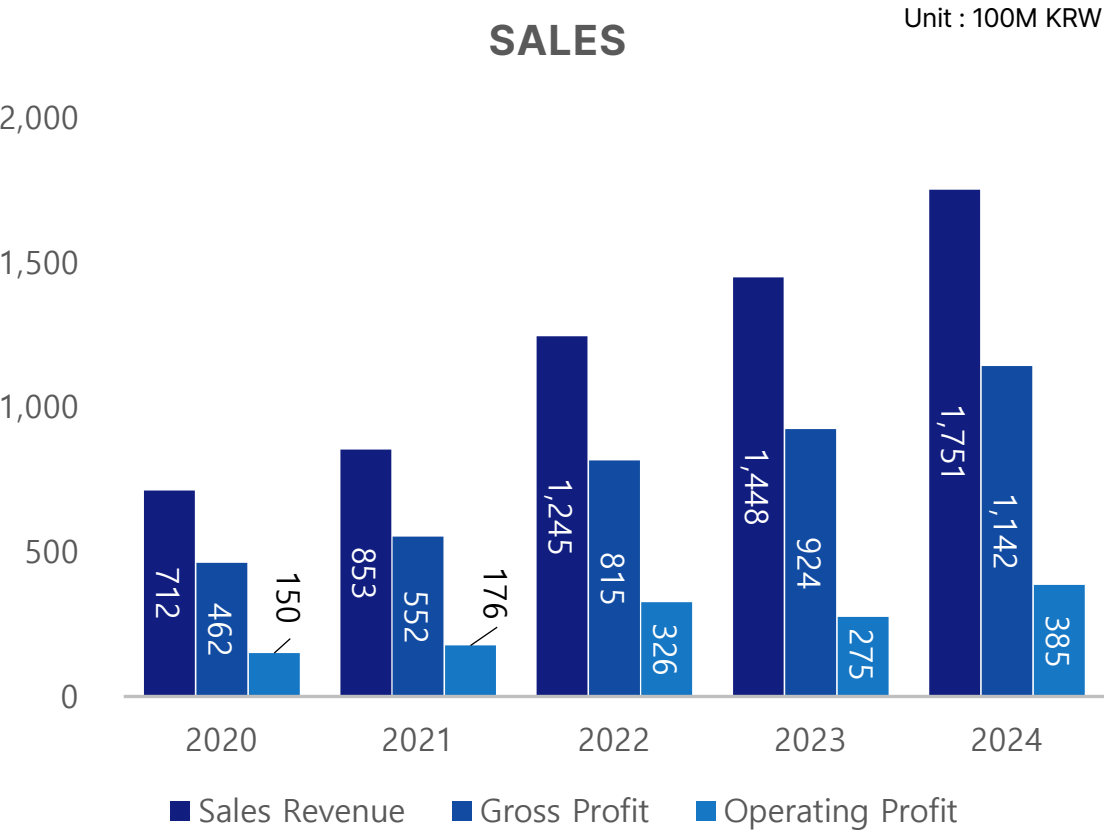




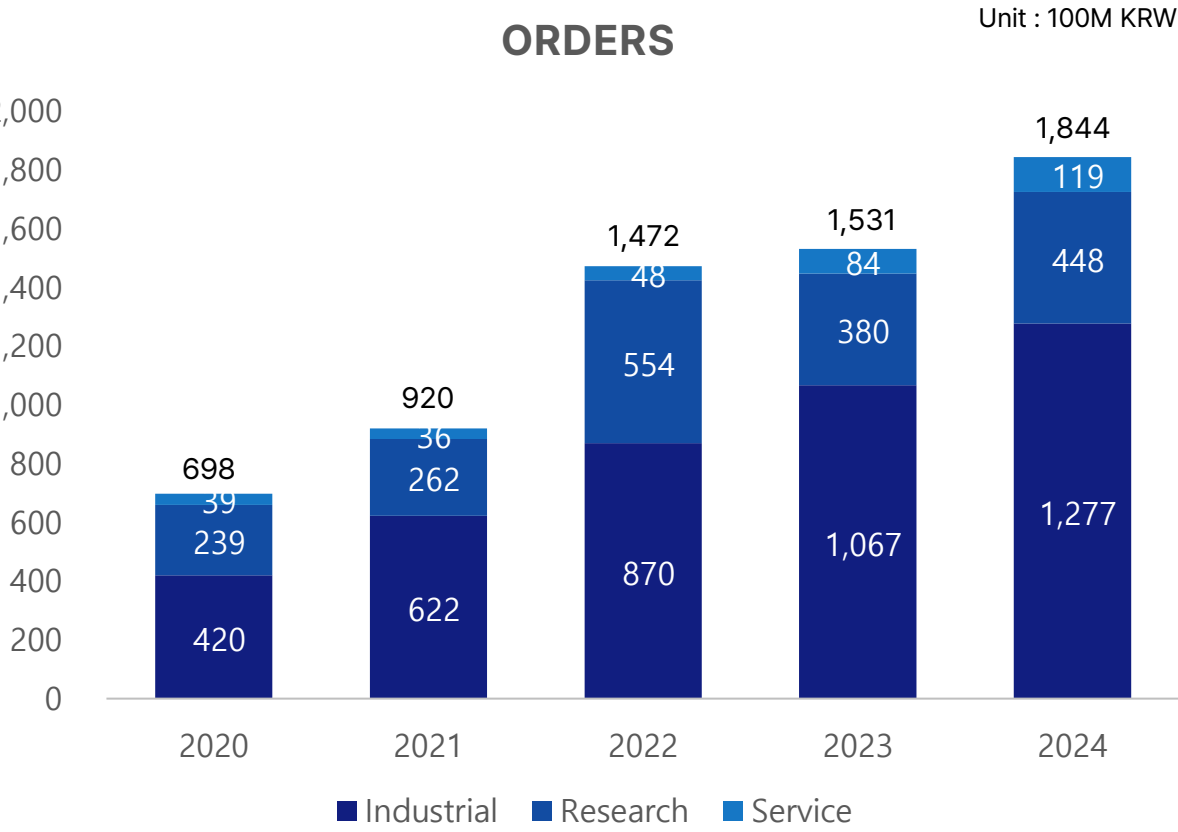


# Sales and Orders for the Past 5 Years

- Park Systems has consistently experienced annual growth of 20-30%.
- Sales have steadily increased due to the rising demand for industrial equipment.



Note : K-IFRS consolidated financial statement basis

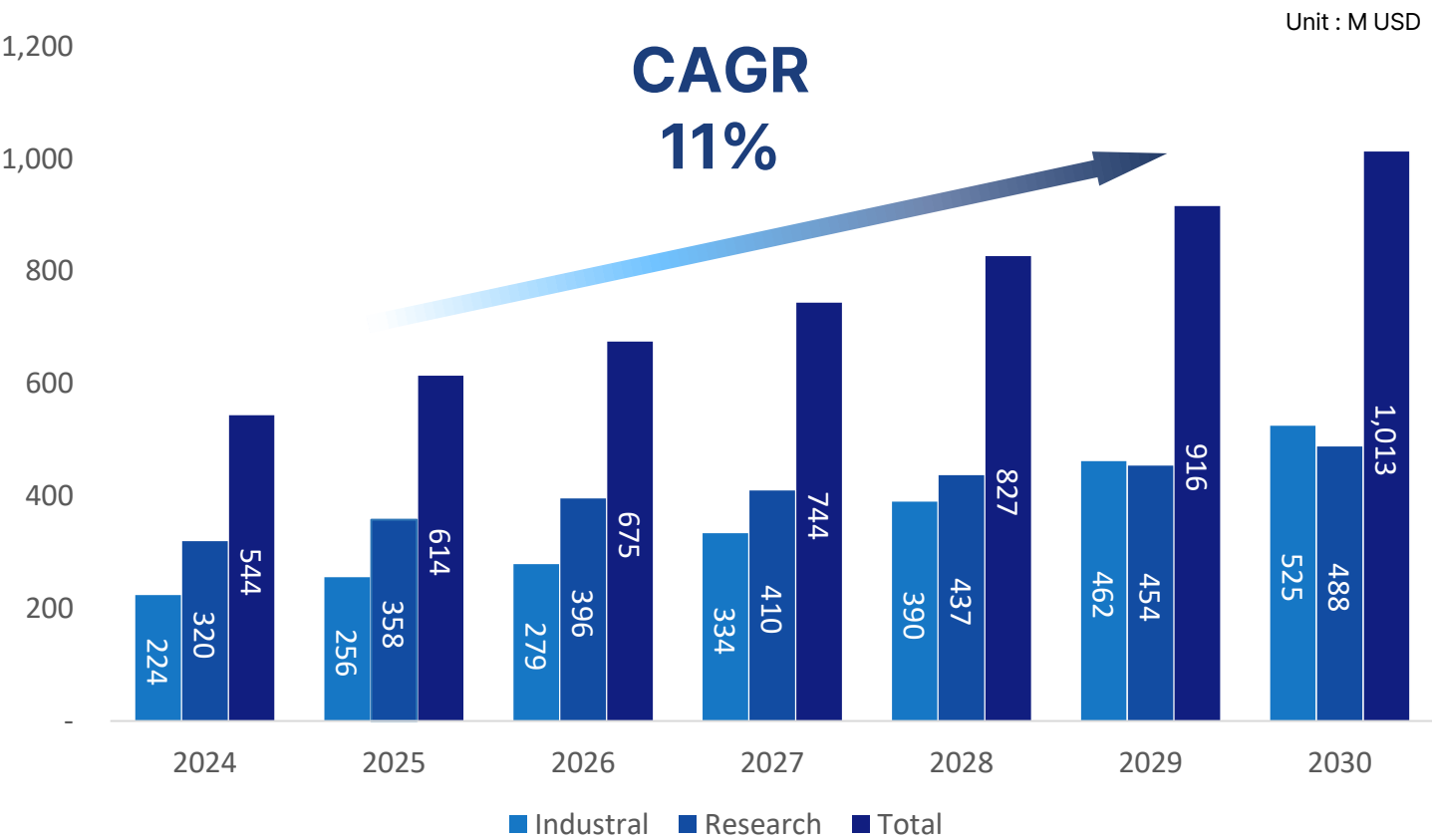


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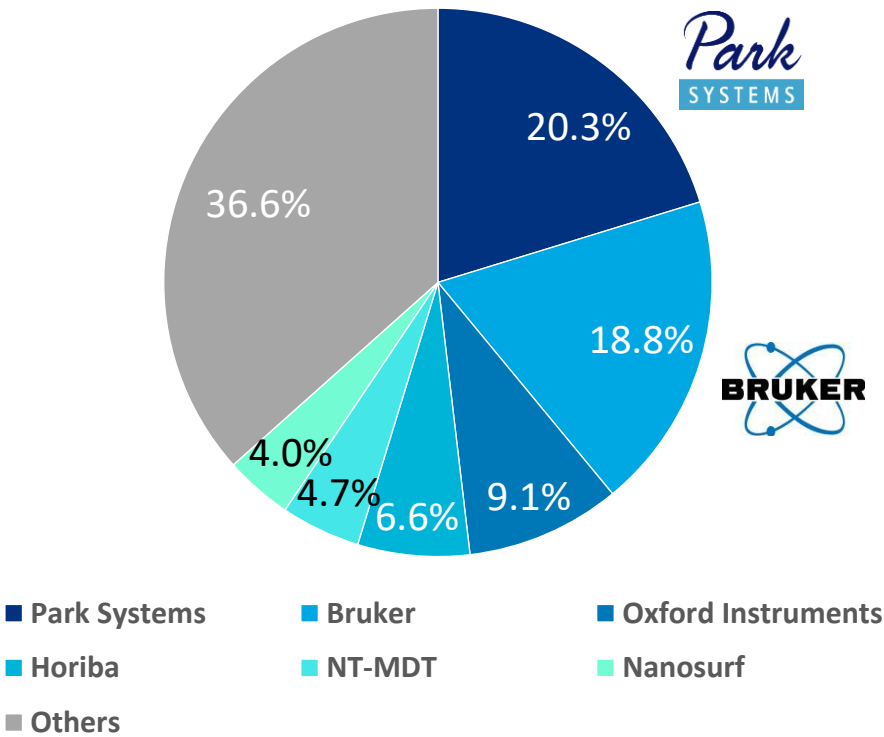


# AFM Market

- Park Systems holds the No.1 position in the AFM market.
- The AFM market is expected to grow steadily, driven by increasing demand for industrial equipment.



Top 6 AFM Manufacturers

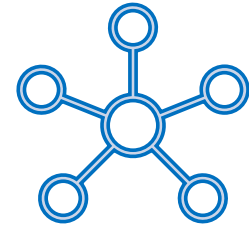
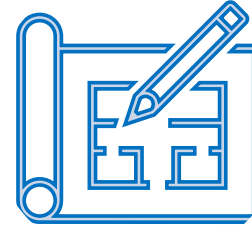
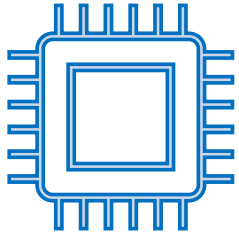


Source: Global Atomic-force Microscopy Market Report(History and Forecast 2019-2030) by QYResearch



# Market Opportunity

- Opportunities arising from the miniaturization of semiconductor processes.
- Potential for scalability to industries beyond semiconductors.



Miniaturization and  
Increasing Complexity

Increasing Utilization in  
Advanced Processes

Growing Applications in  
Back-End Processes

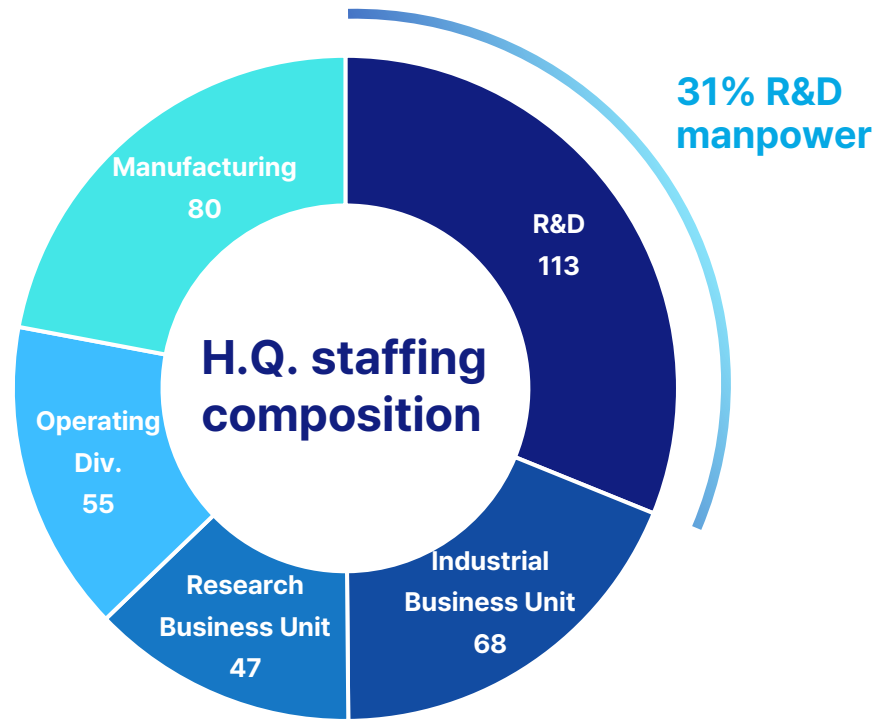
Expansion into  
Various industries



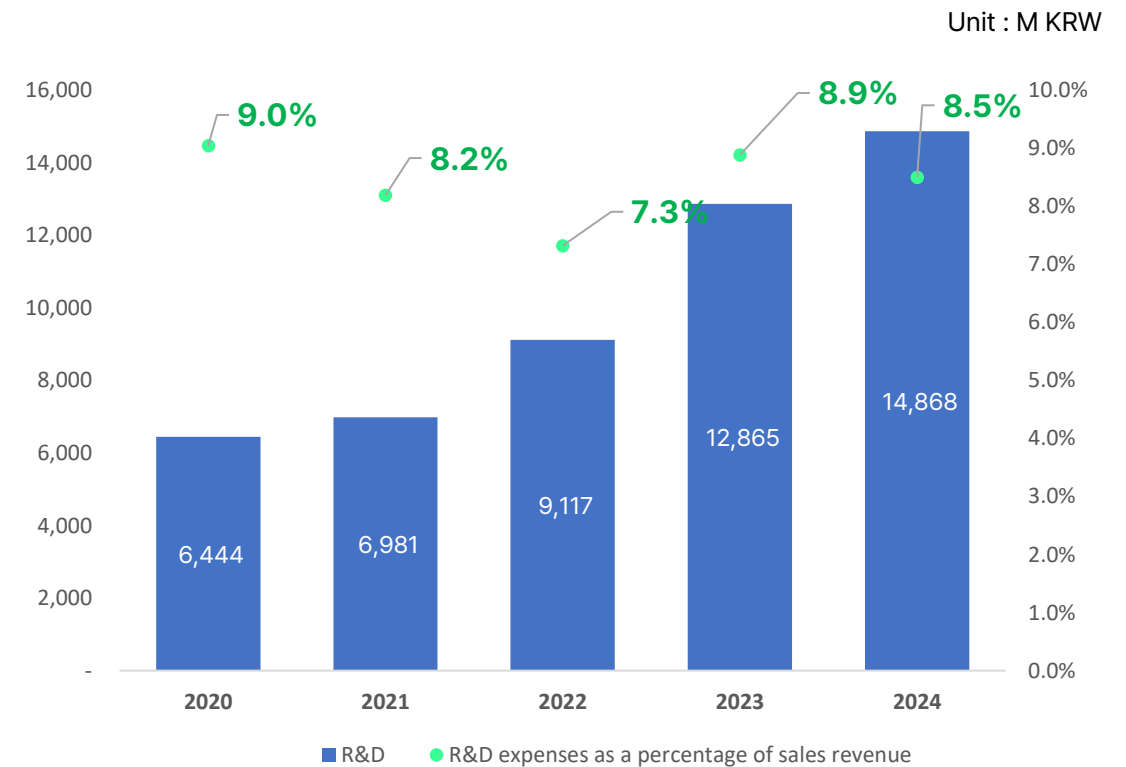


# R&D

- Park Systems has been recognized for its top-tier research and development in nanoscale metrology.



As of 2024.12.31

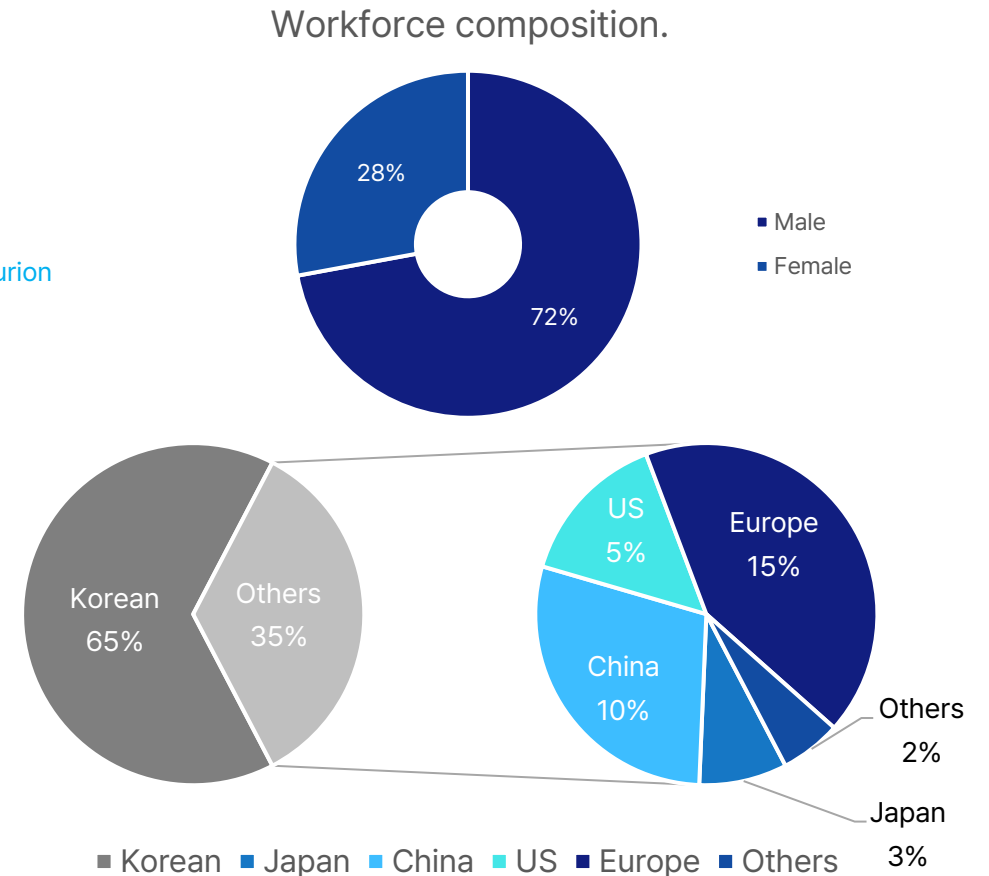
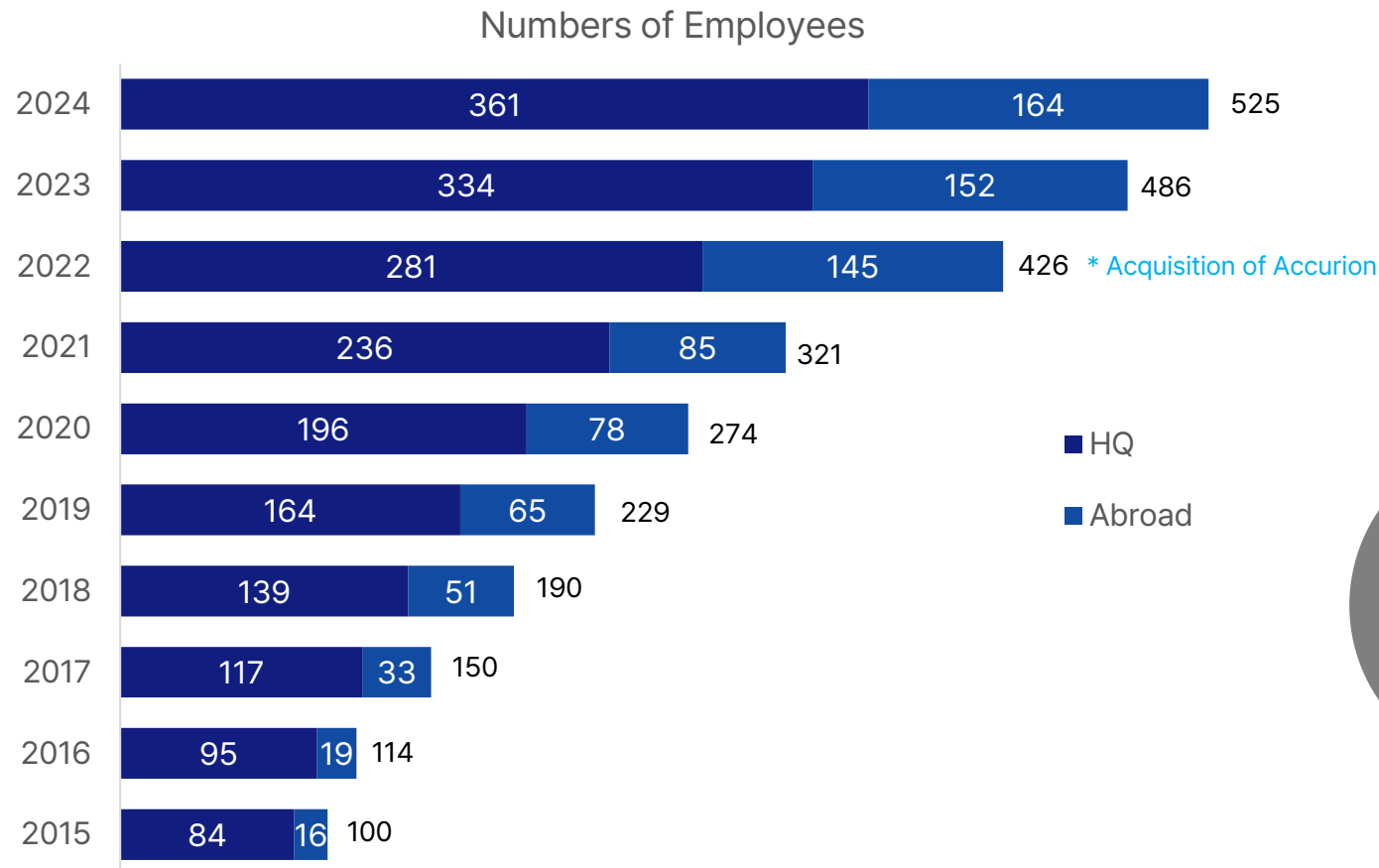


Note : K-IFRS consolidated financial statement basis



# ESG-HR

- The workforce has steadily increased each year due to explosive growth.
- The company prioritizes diversity, emphasizing inclusion across gender and nationality.





# ESG-Board of Directors

- The Board of Directors consists of 1 CEO and 6 outside directors for decision-making transparency.



**Sang-il Park** **Chairman**

- CEO, Park Systems Corp. (1997~)
- President, Institute of Control, Robotics, and Systems (2024)
- CEO, Park Scientific Instruments (1988~1997)
- MBA, AEA-Stanford Executive Institute (1994)
- PhD, Applied Physics, Stanford University (1987)
- BS, Physics, Seoul National University (1981)



**Jung-hwa Han** **Outside director**

- **Outside director of Park Systems(2020~)**
- Professor, Hanyang University (1989~)
- President, Small and Medium Venture Business Policy Association (2020~2022)
- Director, Small and Medium Business Administration (2013~2016)
- PhD, Business Administration, University of Georgia (1988)
- BBA, Seoul National University (1977)



**Jun Chung** **Outside director**

- **Outside director of Park Systems(2023~)**
- CEO, SOLiD, Inc. (1998~)
- Adjunct Professor, KAIST Startup (2020~)
- Senior Researcher, Korea Telecom (1994~1998)
- PhD, Electrical Engineering, Stanford University (1993)
- BS, Electrical Engineering, Seoul National University (1986)



**Ki-young Choi** **Outside director**

- **Outside director of Park Systems(2025~)**
- Emeritus Professor, Seoul National University (2021~)
- Minister of Science and ICT, Republic of Korea (2019~2021)
- PhD, Electrical Engineering, Stanford University (1989)
- MS, Electrical and Electronic Engineering, KAIST (1980)
- BS, Electronic Engineering, Seoul National University (1978)



**Kee-jun Park** **Outside director**

- **Outside director of Park Systems(2024~)**
- CPA, Woori Accounting Firm (2020~)
- CEO, Kitus Co., Ltd. (2009~2019)
- CPA, Anjin Accounting Firm (1988~1997)
- PhD, Business Administration, University of Seoul (2011)
- BBA, Seoul National University (1989)



**Seung-ki Chae** **Outside director**

- **Outside director of Park Systems(2020~)**
- Technical Committee, LG Display (2019~2024)
- Professor, Sungkyunkwan University (2016~2019)
- Senior Vice President, Samsung Display (2011~2015)
- Vice President, Samsung Electronics (1993~2010)
- PhD, Mechanical Engineering, University of Minnesota (1991)
- PS, Mechanical Engineering, Seoul National University (1982)



**Hee-kook Lee** **Outside director**

- **Outside director of Park Systems(2025~)**
- Advisor, LG Corp. (2020~2022)
- President & Chairman of Group Technology Council, LG Corp. (2012~2016)
- President, LG Electronics (2004)
- PhD, Electrical Engineering, Stanford University (1980)
- MS, Electronic Engineering, Stanford University (1977)
- BS, Electronic Engineering, Seoul National University (1974)



# ESG-Dividend

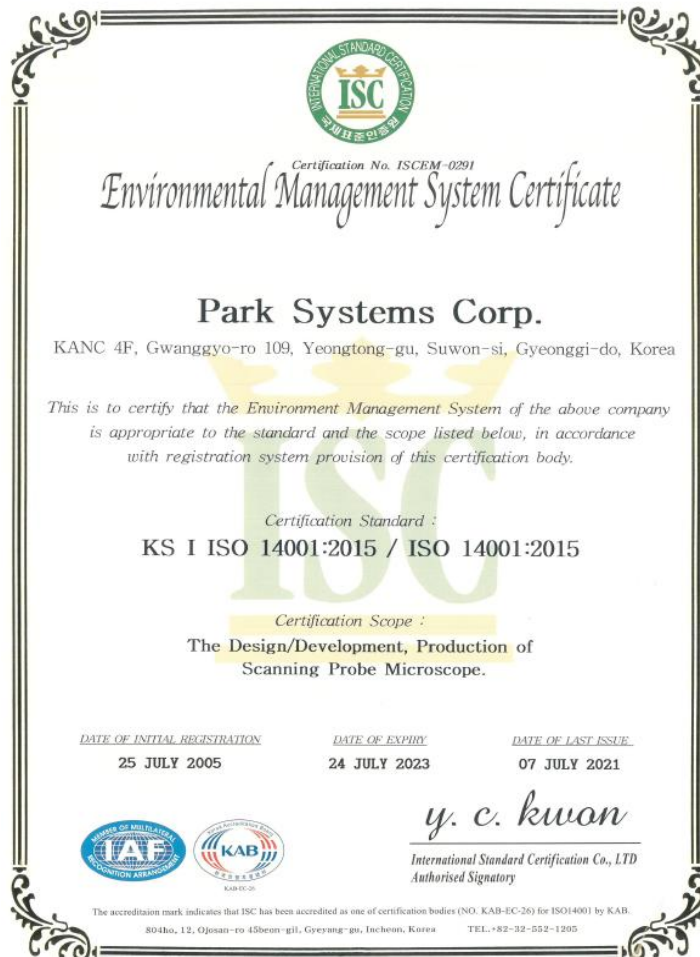
- Dividend Policy to enhance shareholder Value
  - Priority is given to investment in both organic and inorganic growth.
  - Plans include share repurchase and dividend payouts.
  - Dividends are expected to range between 10% and 50% of Free Cash Flow (FCF)

	Unit	2020	2021	2022	2023	2024
Earnings per Share	KRW	1,629	1,508	3,258	3,786	<b>5,614</b>
Dividend per share	KRW	180	250	400	400	<b>500</b>
Free Cash Flow (A)	M KRW	9,020	3,693	17,020	17,080	<b>26,782</b>
Total dividend (B)	M KRW	1,195	1,717	2,761	2,768	<b>3,470</b>
Payout ratio (B/A)	%	13%	46%	16%	16%	<b>13%</b>



# ESG-Safety & Environment

- Park Systems is continuously obtaining certifications for environmental and safety standards.





# Key driver for sustainable growth

- Park Systems drives sustainable growth through continuous innovations in nanotechnology.



Market

- Growth potential with advancing nanotechnology
- A stable market with a long technology lifecycle



Technology

- World-class technology that's difficult to replicate
- National core technology that cannot be leaked



Product

- A product with top-tier competitiveness
- High-value-added product



Global Business

- Global market expansion through own brand and sales network



Customers

- Supplies to leading universities, research institutes, and companies worldwide
- High customer satisfaction



Employee

- Passionate and loyal high-caliber talents



# Appendix

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# CAPEX Investment Plans

- New Gwacheon Headquarters
  - Construction Start date: 2023.9.15
  - Estimated Move-in: First half of 2026



- Yongin Semiconductor Cluster Allocation
  - Park Systems has secured factory premises within the SK Hynix-led Yongin Semiconductor Cluster





# Activities for Advancing Nanotechnology

- Park Systems is actively engaged in advancing nanoscience through various initiatives.
- Park Systems is involved in organizing nanoscience-related events and publishing relevant magazines.

## NANOscientific Symposium 2024


Scanning Probe Microscopy (SPM)

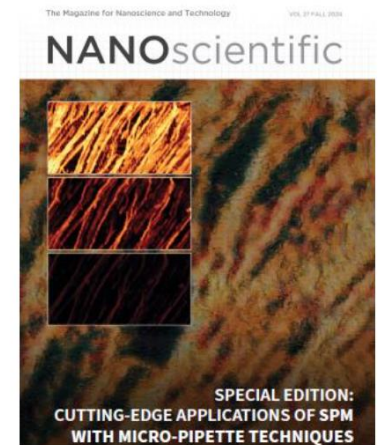
The 2024 NANOscientific Symposium is set to be a landmark event, uniting global experts in the fields of nanoscience and nanotechnology. This year, we extend our focus beyond Scanning Probe Microscopy (SPM) to encompass a broader range of nanotechnological applications and innovations. With an enriched agenda featuring keynote presentations from trailblazers in the industry, interactive sessions, and enhanced virtual networking opportunities, attendees will have unprecedented access to resources and collaborations that drive research, innovation, and commercial success in the ever-evolving world of nanotechnology.



## NANOscientific Magazine, FALL 2024

Volume 27 | 01 Nov 2024

[PDF download](#) 



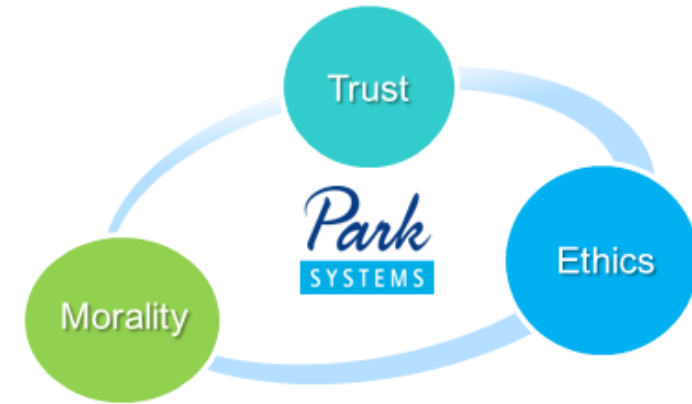


# Company Overview

## Company Status

Company	Park Systems Corp.
CEO	Sang-il Park
Established	April 7, 1997
Capital	3,494m (KRW) (As of Dec, 2024)
Employees	525 (As of Dec, 2024)
Business field	Precision Instrument Manufacturing
Product	Atomic Force Microscope
Location	KANC 15F, Gwanggyo-ro 109, Yeongtong-gu, Suwon, 16229, Korea
Website	<a href="http://www.parksystems.com">http://www.parksystems.com</a>

## Business Philosophy



- 1 Become the one who receives compliments from people and descendants.
- 2 Provide maximum value to customers, shareholders, employees and business partners, furthermore, become a company that provides benefits to both companies and the society.
- 3 Excel in technical development and global marketing.
- 4 Trust is the best asset, and moral and ethical management are basic.



# Management Team



## Sang-il Park Founder and CEO

- CEO, Park Systems Corp. (1997~)
- President, Institute of Control, Robotics, and Systems (2024)
- CEO, Park Scientific Instruments (1988~1997)
- MBA, AEA-Stanford Executive Institute (1994)
- PhD, Applied Physics, Stanford University (1987)
- BS, Physics, Seoul National University (1981)



## Ryan Yoo EVP

Business Development &  
Strategic Growth BU

19yrs at Park Systems, 24yrs overall

- Intematix Corp. VP, Founding Scientist and VP of R&D
- Ph.D. Physics, UC Berkeley
- B.S. Physics, Univ. of Chicago



## Karen Cho EVP

Operations Management Div.

21yrs at Park Systems, 30yrs overall

- Solborn, Inc. Gyelim CRC, Inc.
- Hanareum Merchant Bank
- Hanhwa Merchant Bank
- MBA, KAIST
- B.A. English literature, Sejong Univ.



## Sang-Joon Cho EVP

Research Equipment BU

19yrs at Park Systems, 24yrs overall

- Korea R&D Industry Association, Board of Directors
- ISO/TC201/SC9 SPM, Chairman
- KAIST, Dept of biosystems, Research Professor
- Research Associate, Dept. of Physiology, Univ. of Wayne
- Ph.D. Neuroscience, Iowa-state Univ.



## Richard Lee EVP

Industrial Equipment BU

3yrs at Park Systems, 24yrs overall

- Nanometrics Korea, VP of Marketing
- KLA-Tencor, Wafer Inspection Div. Marketing Dir.
- Samsung Electronics – Team Leader of Metrology and Inspection
- Ph.D. Mech Eng, KAIST

## R&D Organization

Sang-il Park holds a dual role as CTO.

- System R&D Center
  - Mechatronics
  - Systems Integration
  - Development Planning
  - Development Transfer
- Digital R&D Center
  - SW R&D
  - Control Electronics
- Advanced R&D Center
  - New Technology R&D
  - Prototyping



# Awards & Certification

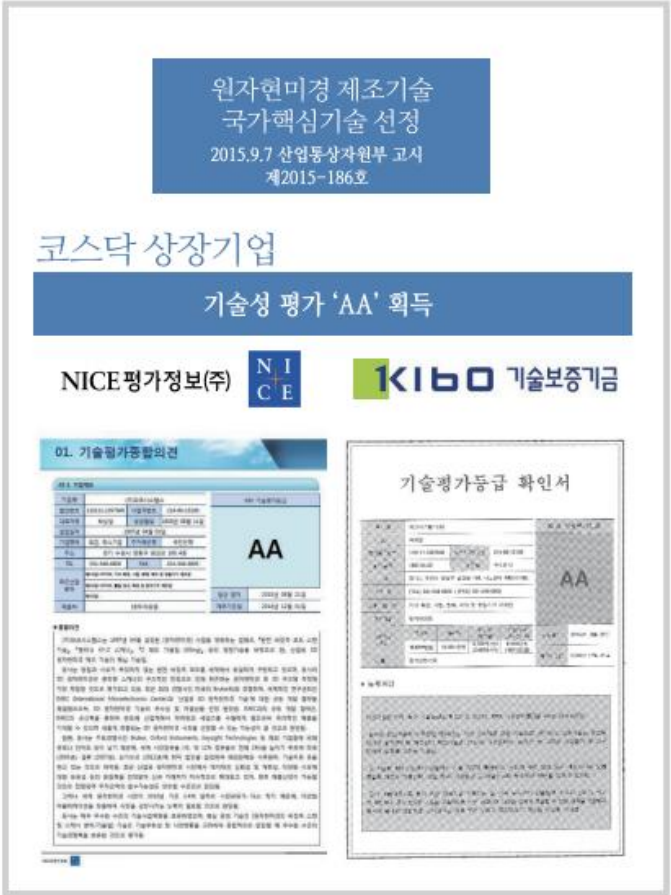
- Park Systems has received prestigious awards and obtained top-level technology certifications.



■ KOSDAQ Grand Prize



■ 2024 IR Grand Prize



- National Core Technology
- AA in Technology Assessment



# Financial Statements

- Park Systems continues to experience annual growth of 20-30%.
- Park Systems achieves high-profit margins by supplying high-value-added products.

Unit : M KRW

B/S	2020	2021	2022	2023	2024
Current assets	80,727	106,681	126,307	148,107	191,151
Non-current assets	23,688	27,234	40,742	53,566	83,164
Total asset	104,415	133,915	167,049	201,673	274,315
Current liabilities	27,265	26,669	39,688	49,665	62,938
Non-current liabilities	24,068	17,103	7,898	8,523	23,468
Total Liabilities	51,333	43,772	47,586	58,188	86,406
Capital	3,334	3,449	3,474	3,483	3,494
Additional paid in capital	14,644	43,629	48,146	49,189	50,814
Others	(273)	(203)	(1,692)	(523)	2,229
Retained earnings	35,377	43,267	69,535	91,336	131,372
Total equity	53,082	90,142	119,463	143,485	187,909

Note : K-IFRS consolidated financial statement basis

Unit : M KRW

I/S	2020	2021	2022	2023	2024
Sales Revenue	71,223	85,250	124,522	144,806	175,060
Cost of goods sold	25,049	30,063	43,053	52,401	60,842
Operating expenses	31,193	37,606	48,821	64,845	75,688
Operating profit	14,981	17,581	32,648	27,560	38,530
Non-operating profit	2,068	10,962	11,332	6,662	14,788
Non-operating expenses	6,333	19,788	12,099	7,079	6,088
Profit before tax	10,716	8,755	31,881	27,143	47,230
Tax expenses	760	(330)	3,897	2,581	4,427
Net income	9,956	9,085	27,984	24,562	42,803

Note : K-IFRS consolidated financial statement basis



# Patents

- Domestic and international patents in the field of atomic force microscopy

Division	Contents	Registration date
Patent	ATOMICFORCEMICROSCOPEEQUIPPEDWITHOPTICALMEASUREMENT DEVICEANDMETHODOFACQUIRINGINFORMATIONONSURFACEOFMEASUREMENTTARGETUSINGTHESAME	2023-04-04
Patent	MEASURING METHOD FOR MEASURING HEAT DISTRIBUTION OF SPECIFIC SPACE USING STHM PROBE, METHOD AND DEVICE FOR DETECTING BEAM SPOT OF LIGHT SOURCE	2023-03-21
Patent	An apparatus and method for recognizing a target position in an AFM	2023-03-08
Patent	A method for measuring the heat distribution in a specific space using a thermal sensing probe, a method for detecting a beam spot of a light source, and a device	2022-12-09
Patent	Devices and methods for recognizing probe types in an AFM	2022-11-04
Patent	A method for measuring the heat distribution in a specific space using a thermal sensing probe, a method for detecting a beam spot of a light source, and a device	2022-06-27
Patent	An AFM equipped with an optical measurement device and a method of obtaining information on the surface to be measured using it	2022-06-13
Patent	How to obtain the properties of the surface of the measurement target using an inclined tip, an AFM for this method to be performed, and a computer program stored in a storage medium to perform this method	2021-12-24
Patent	Chip carrier exchanging device and atomic force microscopy apparatus having same	2021-11-16
Patent	AFM and control methods capable of automatic exchange of chip carriers	2020-11-25





# Thank you

Park Systems

IR Team

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# Q1 '25 Earnings Presentation

Park Systems

IR Team



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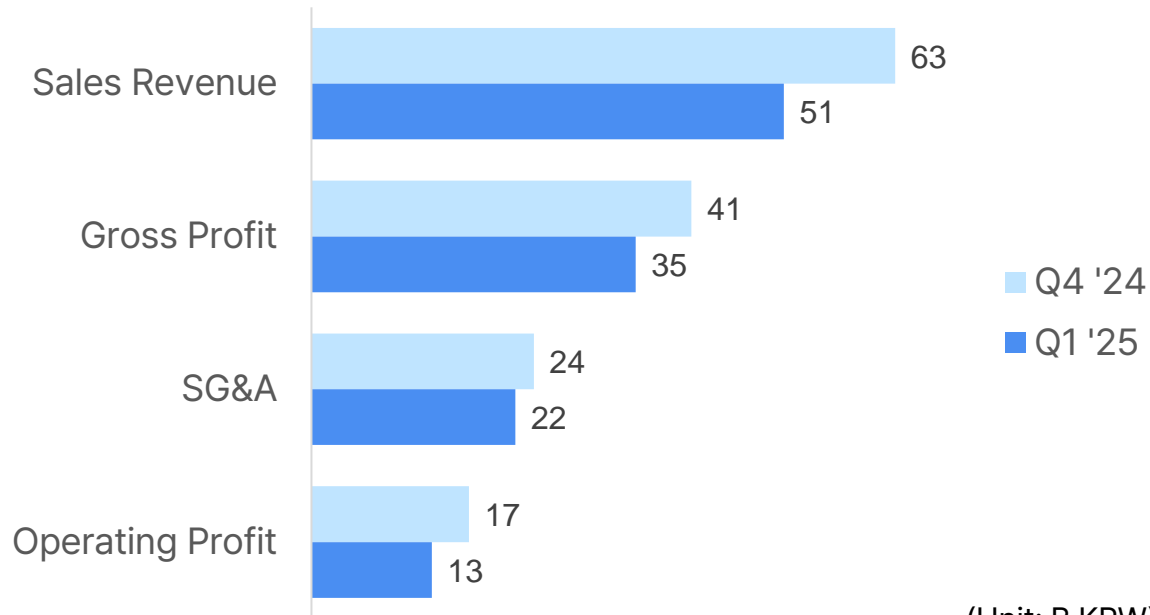
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# Q1 '25 Performance

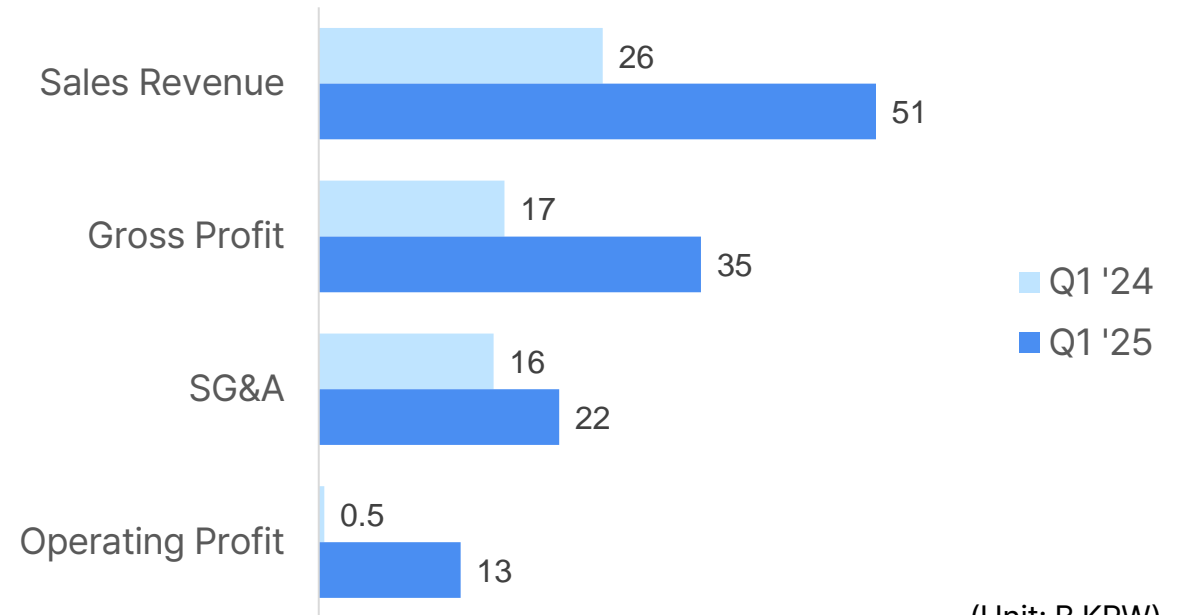
QoQ (Unit: B KRW)



	Sales Revenue	Gross Profit	SG&A	Operating Profit
Q4 '24	63	41	24	17
Q1 '25	51	35	22	13
QoQ(%)	(20%)	(14%)	(9%)	(20%)

Note : K-IFRS consolidated financial statement basis

YoY (Unit: B KRW)



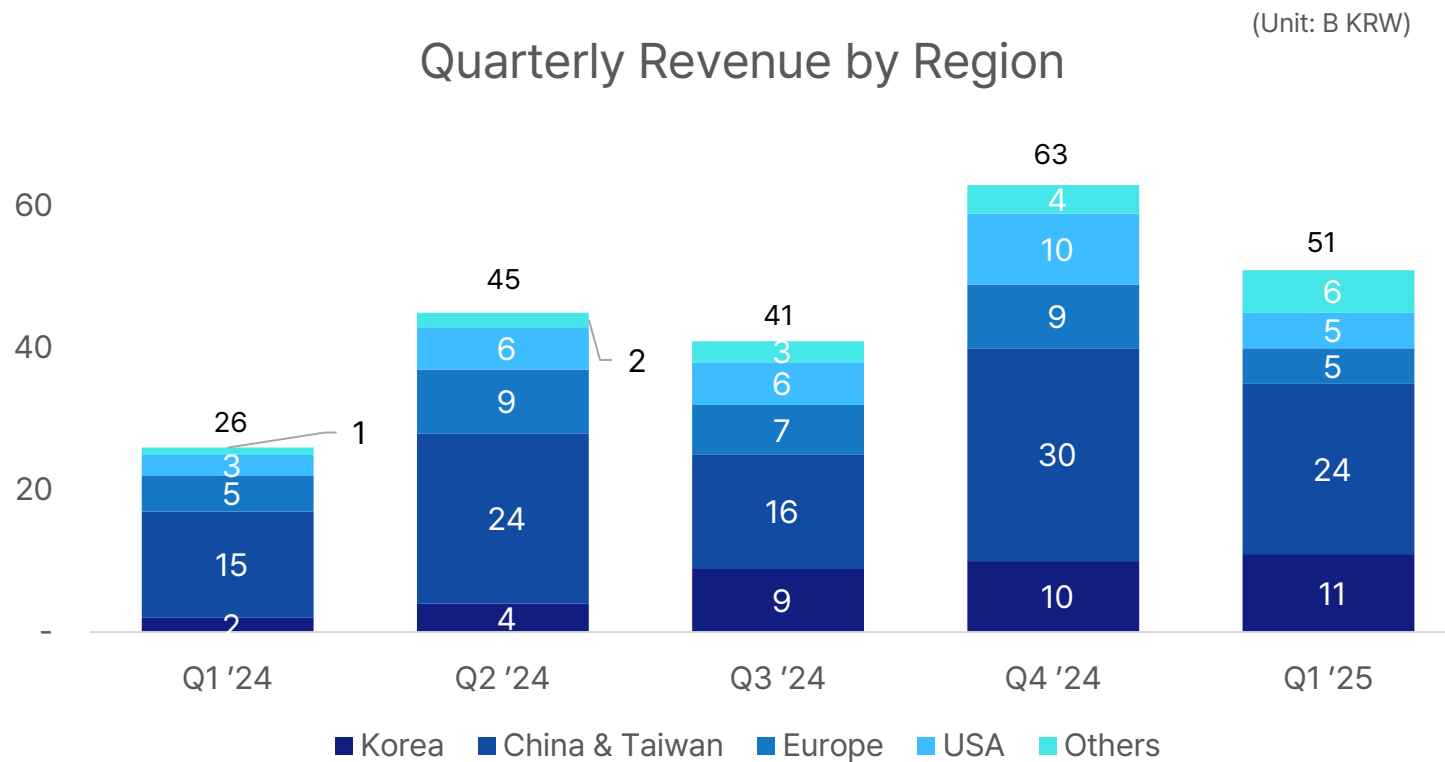
	Sales Revenue	Gross Profit	SG&A	Operating Profit
Q1 '24	26	17	16	0.5
Q1 '25	51	35	22	13
YoY(%)	98%	111%	38%	2540%

Note : K-IFRS consolidated financial statement basis

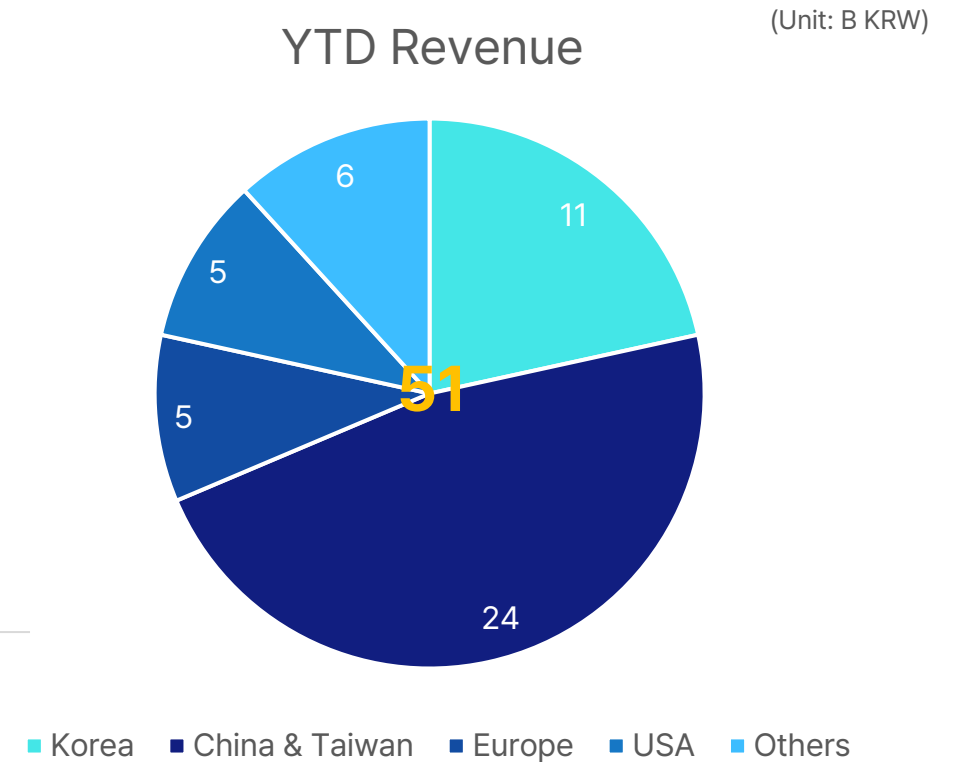


# Q1 '25 Revenue by Region

- Year-to-date (YTD) Revenue Distribution: 51B KRW
  - Korea: 22%, China & Taiwan: 48%, Europe/USA/Others: 10%



Note : K-IFRS consolidated financial statement basis

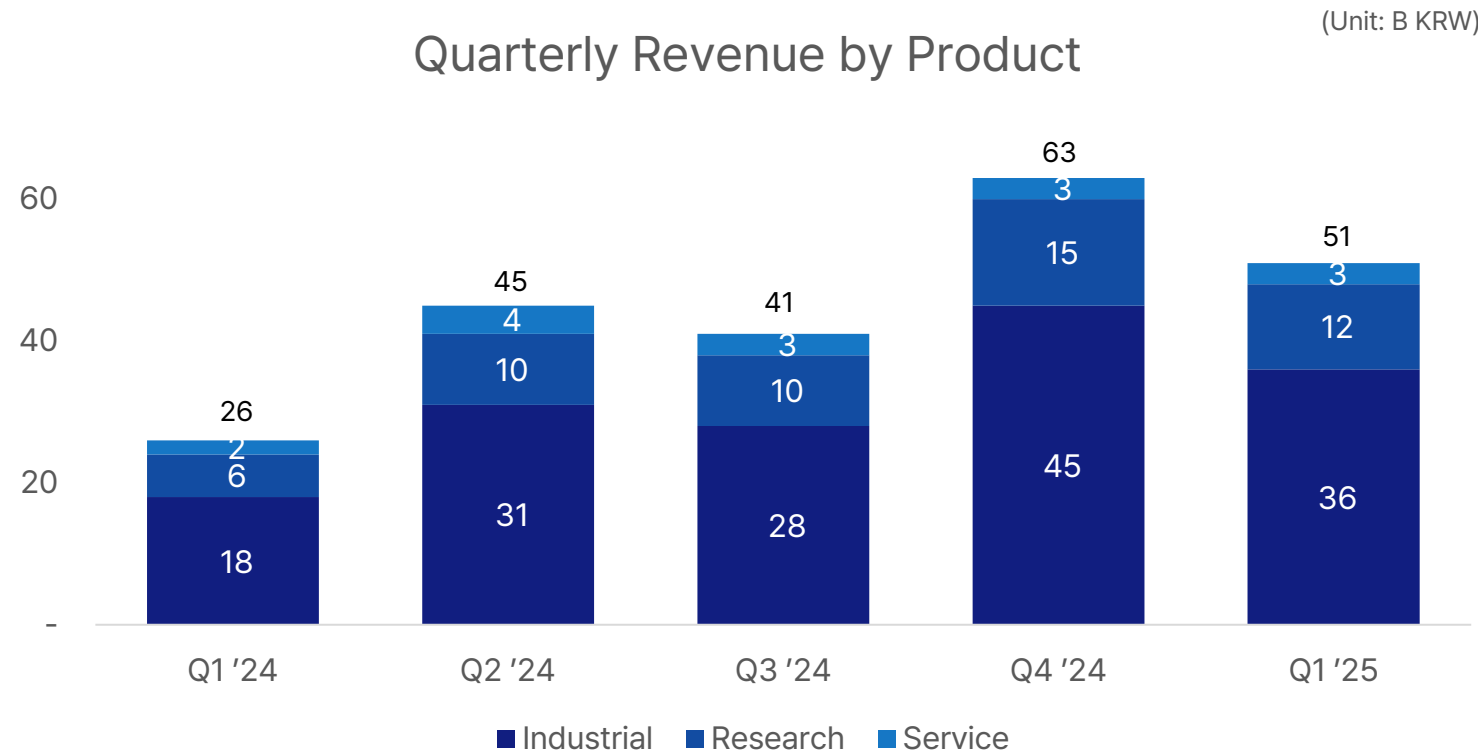


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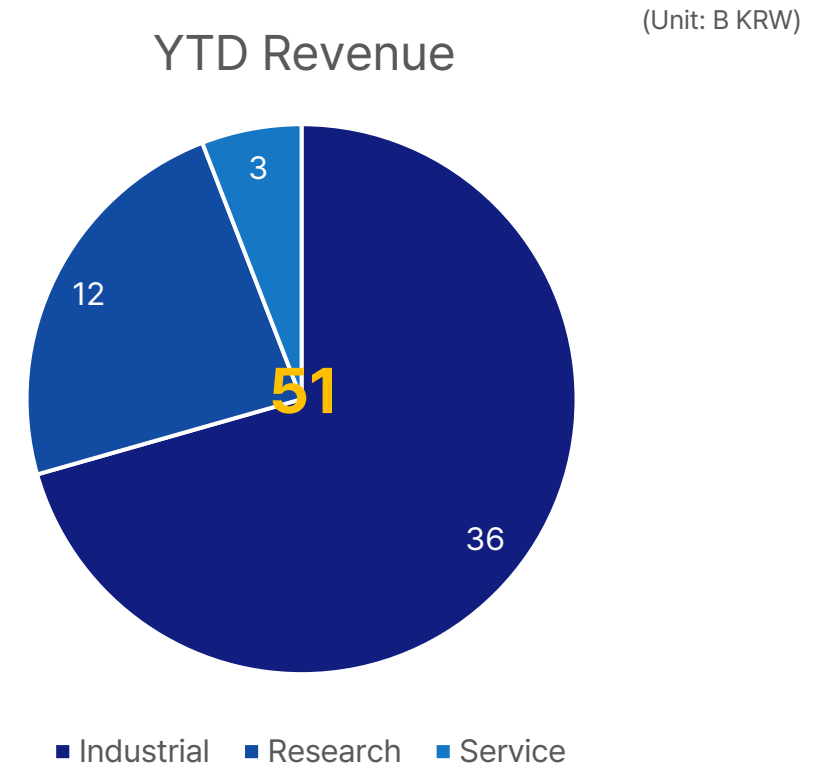


# Q1 '25 Revenue by Product

- Year-to-date (YTD) Revenue Distribution: 51B KRW
  - Industrial 72%, Research 24%, Service 4%



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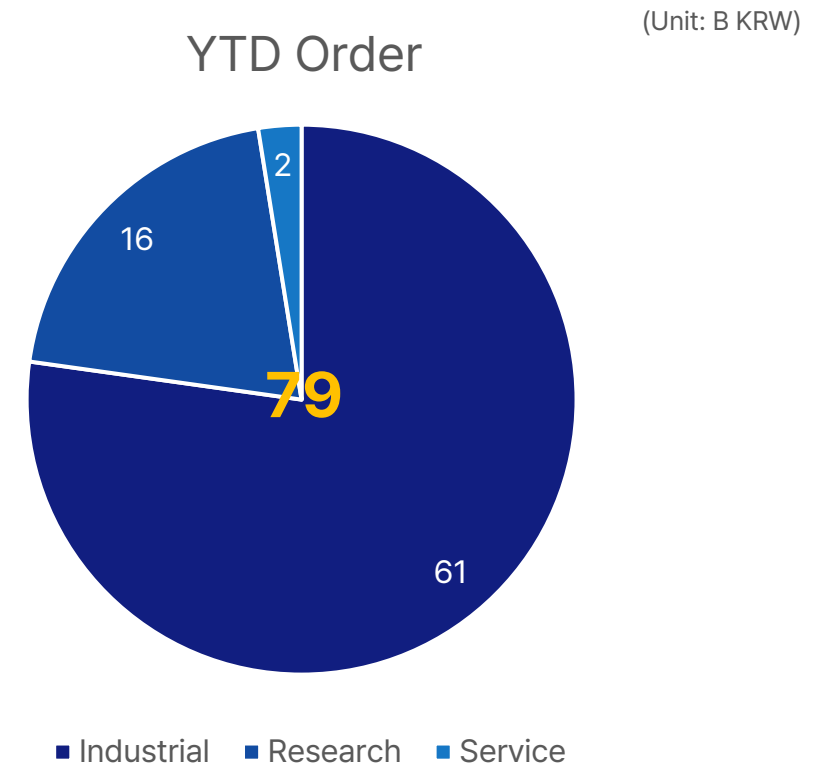
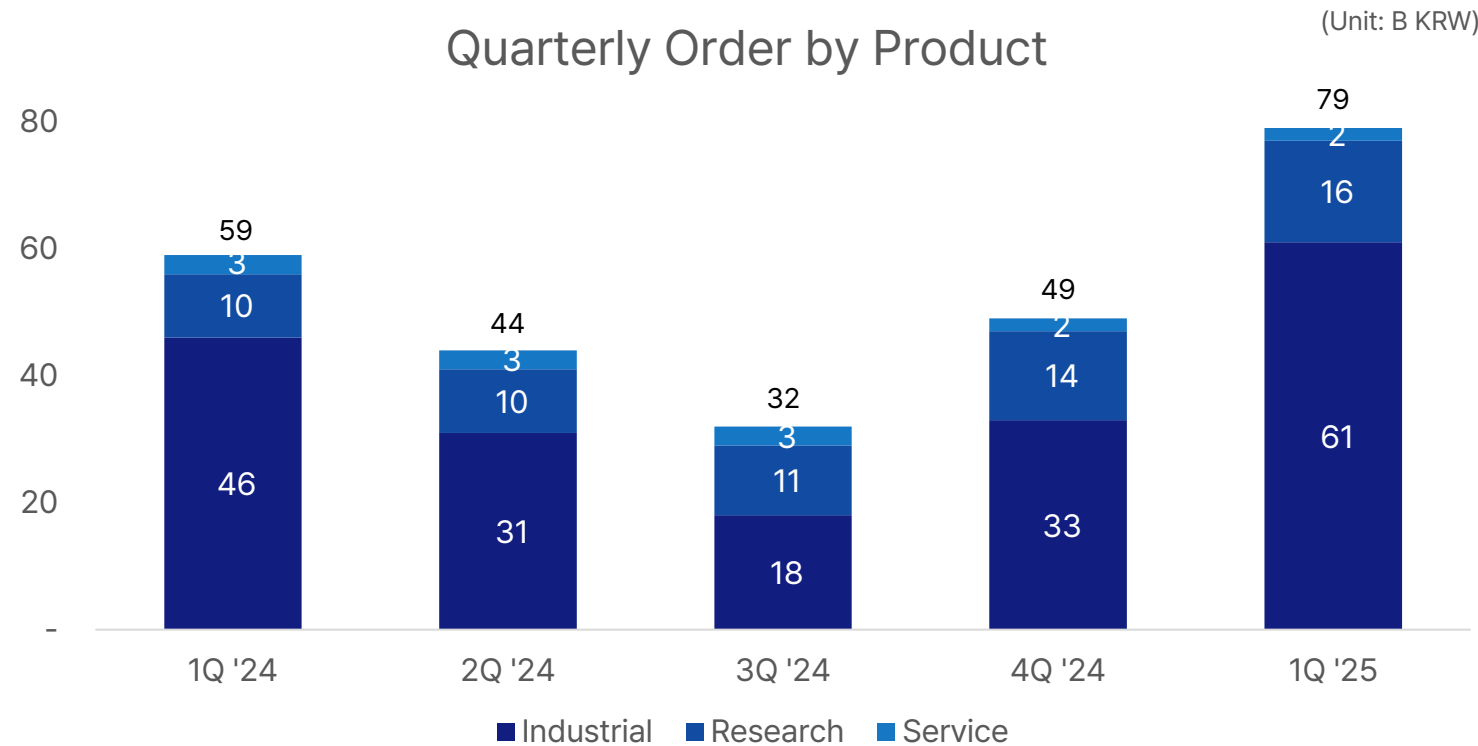


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# Q1 '25 POs by Product

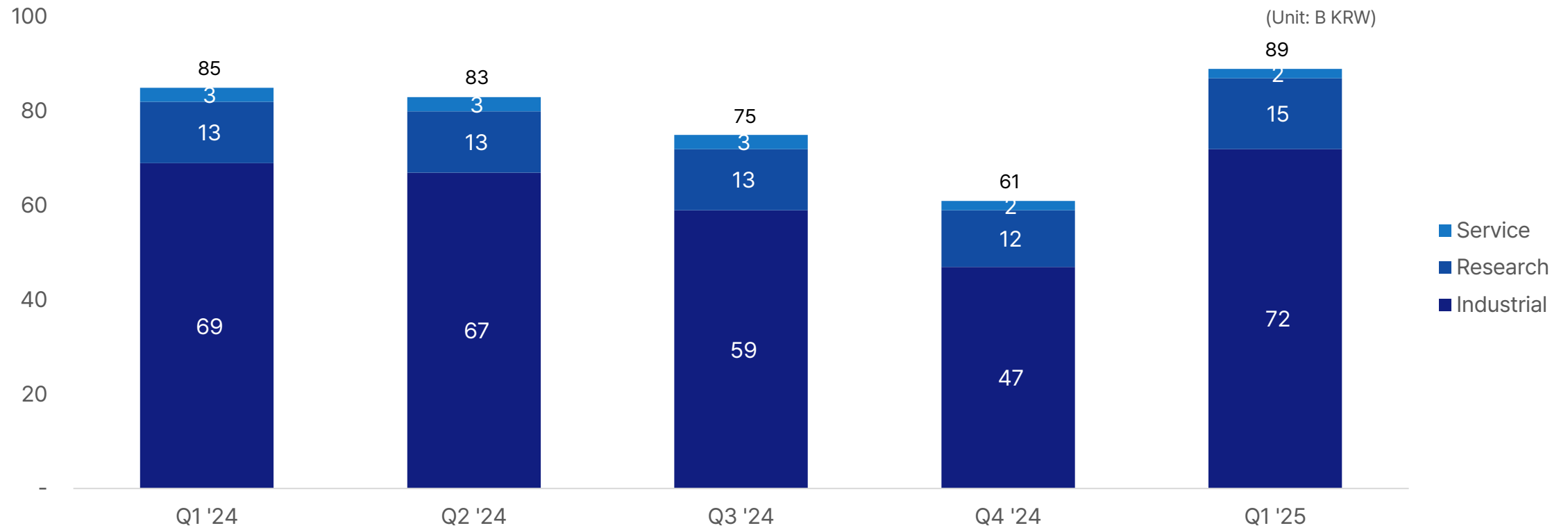
- Year-to-date (YTD) Order Distribution: 79B KRW
  - Industrial 78%, Research 20%, Service 2%





# Q1 '25 Order Backlog by Product

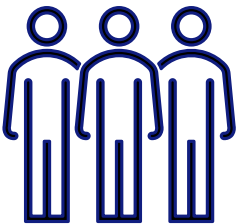
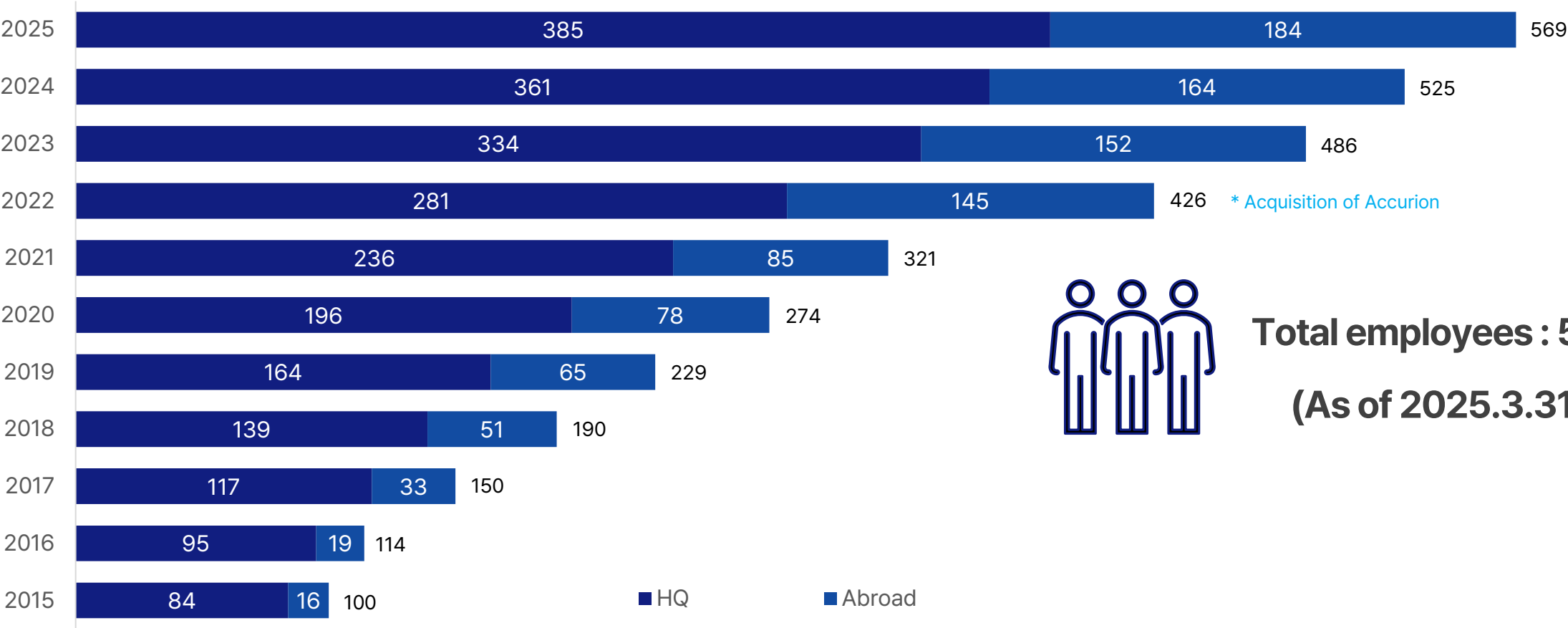
- Order Backlog: 89B KRW
  - Industrial 76%, Research 19%, Service 5%





# HR

■ Numbers of Employees



**Total employees : 569**  
**(As of 2025.3.31)**



# Q1 '25 Events

- Various activities for the advancement and exchange of nanotechnology.
  - ✓ SEMICON Korea, COEX(Feb. 19~21)





# Q1 '25 Events

- Various activities for the advancement and exchange of nanotechnology.
  - ✓ SEMICON China, Shanghai(Mar. 26~28)





# Appendix

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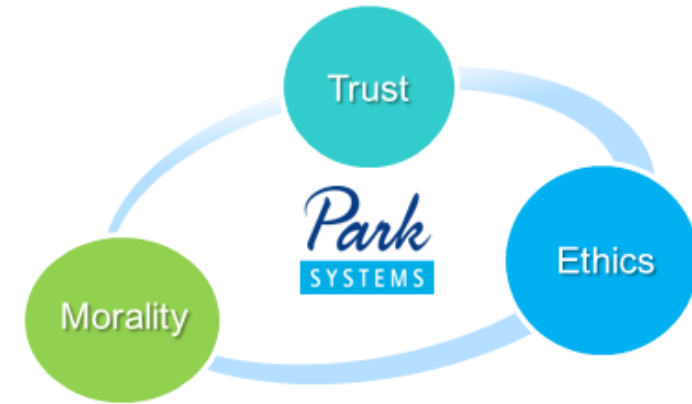


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Total asset	104,415	133,915	167,049	201,673	274,315
Current liabilities	27,265	26,669	39,688	49,665	62,938
Non-current liabilities	24,068	17,103	7,898	8,523	23,468
Total Liabilities	51,333	43,772	47,586	58,188	86,406
Capital	3,334	3,449	3,474	3,483	3,494
Additional paid in capital	14,644	43,629	48,146	49,189	50,814
Others	(273)	(203)	(1,692)	(523)	2,229
Retained earnings	35,377	43,267	69,535	91,336	131,372
Total equity	53,082	90,142	119,463	143,485	187,909

Note : K-IFRS consolidated financial statement basis

Unit : M KRW

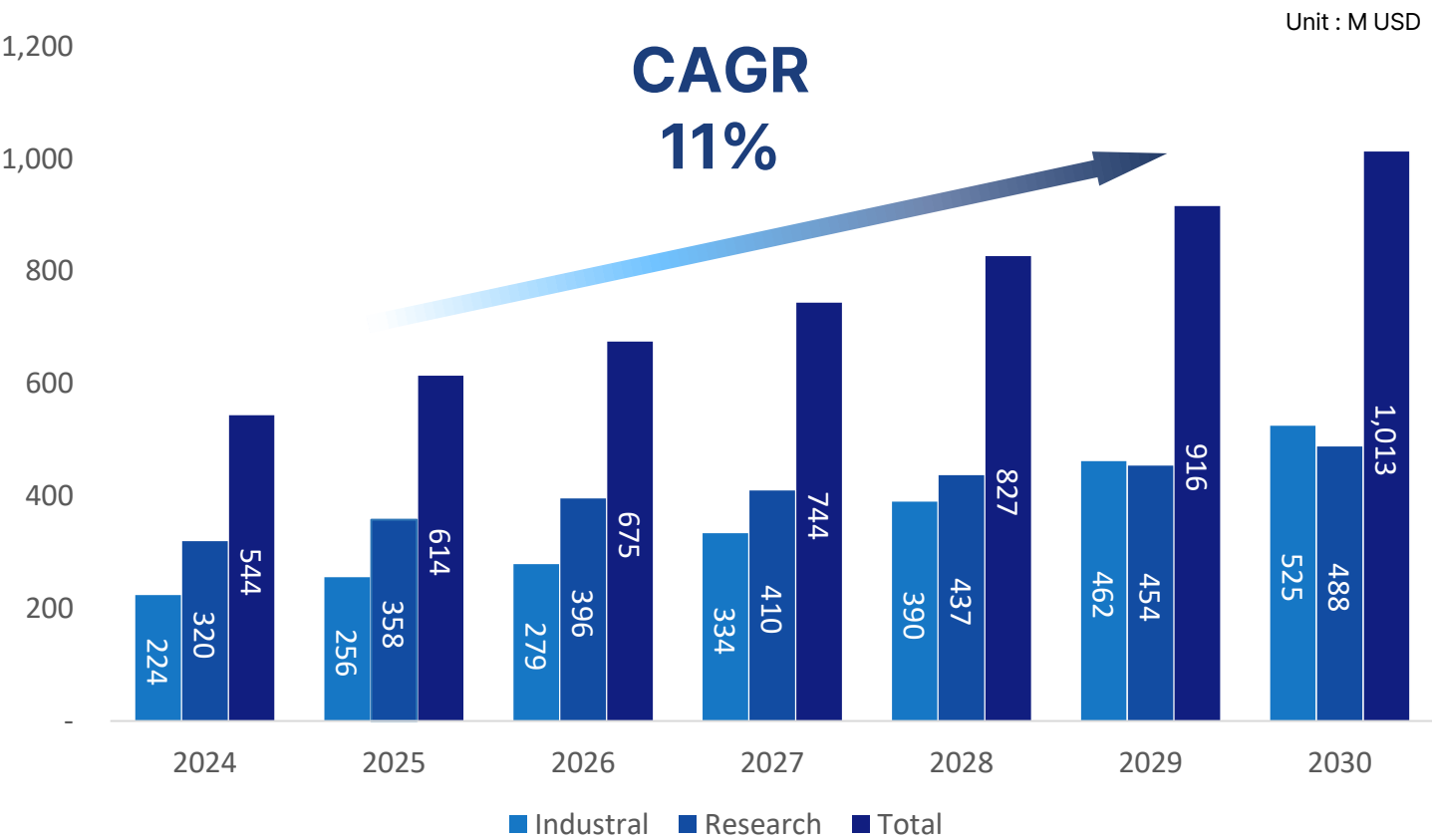
I/S	2020	2021	2022	2023	2024
Sales Revenue	71,223	85,250	124,522	144,806	175,060
Cost of goods sold	25,049	30,063	43,053	52,401	60,842
Operating expenses	31,193	37,606	48,821	64,845	75,688
Operating profit	14,981	17,581	32,648	27,560	38,530
Non-operating profit	2,068	10,962	11,332	6,662	14,788
Non-operating expenses	6,333	19,788	12,099	7,079	6,088
Profit before tax	10,716	8,755	31,881	27,143	47,230
Tax expenses	760	(330)	3,897	2,581	4,427
Net income	9,956	9,085	27,984	24,562	42,803

Note : K-IFRS consolidated financial statement basis

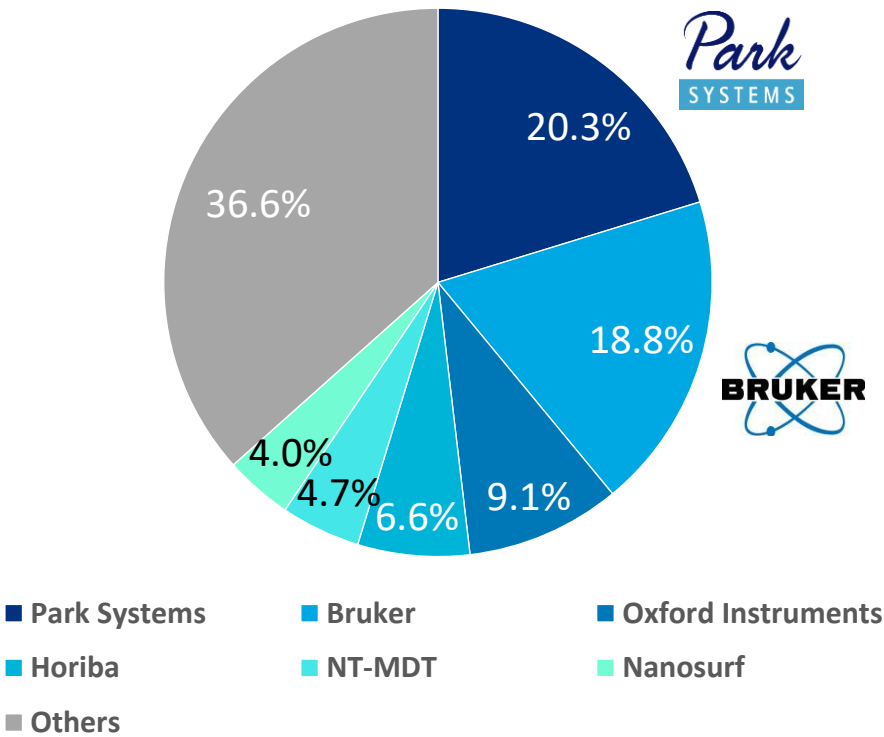


# AFM Market

- Park Systems holds the No.1 position in the AFM market.
- The AFM market is expected to grow steadily, driven by increasing demand for industrial equipment.



Top 6 AFM Manufacturers



Source: Global Atomic-force Microscopy Market Report(History and Forecast 2019-2030) by QYResearch





# Thank you

Park Systems

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