



Company Introduction

Park Systems

IR Team

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Furthermore, the forecast is based on the current market conditions and the status of the Company management and plan as of the date of this presentation. The market in the future may change and the Company's plans may be modified without notice. The officers of the Company and the Company will not be responsible for any loss arising from the use of this material (including negligence and others).

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Introduction



- At Park Systems, we pioneer cutting-edge nanotechnology solutions that empower research and industry with unparalleled precision and innovation.
- Park Systems' AFM technology powers breakthroughs across diverse industries, from semiconductors and biotechnology to battery innovation, setting new standards for precision and performance.

Customers

- Park Systems' AFM is widely utilized for nanoscale measurement in Fabs, Global universities, State-run research institutes, corporate research institutes, and Global semiconductor companies.



Global Channels

- Park Systems has 14 direct offices in 11 countries and 30 distributors in major countries worldwide.



Key Products and Services

- Park Systems supplies AFMs and expands its metrology capabilities with the strategic acquisition of Accurion.

- Material Science & Chemistry



FX40



FX200



NX10



NX20



NX-Hivac

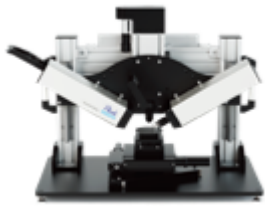


NX12

- Thin Film Characterization



Accurion EP4



Accurion SIMON



Accurion RSE

- Semiconductor & Display



NX-Water



NX-Mask



NX-Hybrid WLI

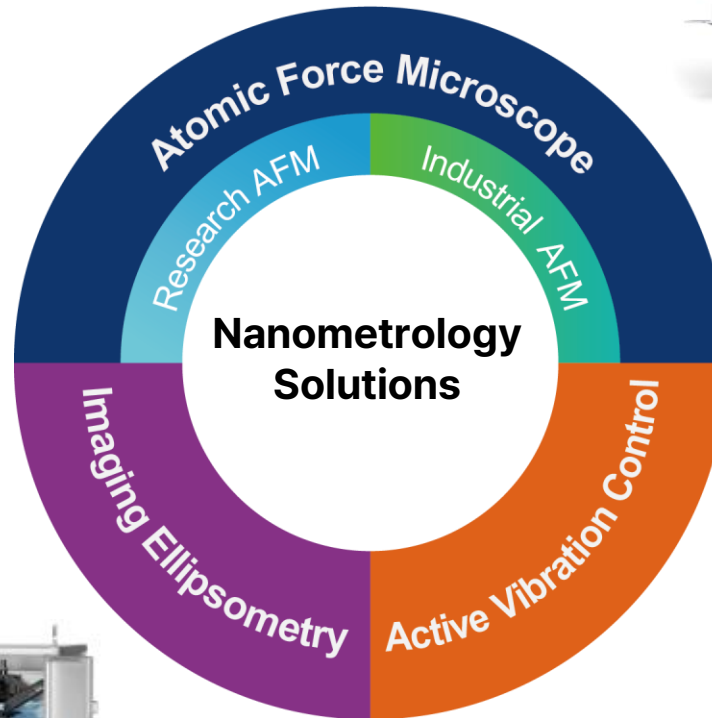


NX-TSH

- Active Vibration Isolation



Accurion i4



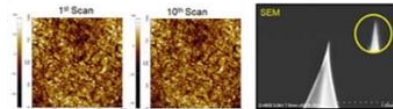
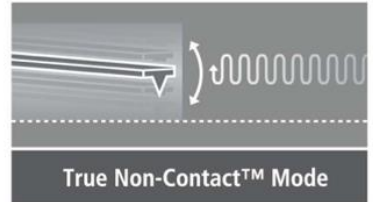
Innovative technology

- Monitoring the surface topography using interaction(Atomic Force) between tip and sample surface.
- It can measure the **Electrical, Mechanical, Magnetic, and Thermal properties** and **Topography**.
- Park Systems' AFMs feature **True Non-Contact mode**, optimized for research and industrial applications.



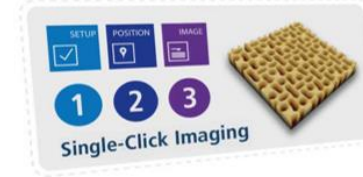
Measurement Accuracy

Park AFM Scanners
Decoupled XY & Z Scanners



Best Resolution

Park AFM Mode
True Non-Contact™ Mode



User Convenience

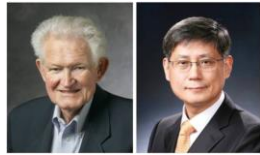
Park Operating Software
SmartScan™, SmartAnalysis™, XEA

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

History

- Park Systems was established by one of the original developers of the Atomic Force Microscope (AFM) to make the world's most precise nanoscale metrology and imaging instruments widely available.

The Birth-Place of AFM



1982-1988

The First AFM Company

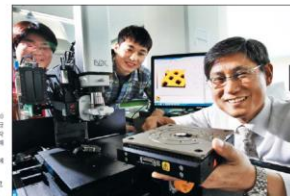


Park Scientific Instruments

1988-1997

세계 최초 원자현미경 개발
실리콘밸리 성공 신화 주역
고국서 두 번째 '벤처 人生'

CEO가 된 과학자 박성필 박사는 1988년 미국 실리콘밸리에서 창업한 파크 시스템즈(Park Systems)의 대표이사로서, 세계 최초 원자현미경(AFM)을 개발하고 상용화한 공로로 1997년 미국에서 '벤처 人生'을 시작했습니다. 그는 현재까지도 이 회사에서 CEO로 근무하고 있습니다.



박성필 박사는 1988년 미국 실리콘밸리에서 창업한 파크 시스템즈(Park Systems)의 대표이사로서, 세계 최초 원자현미경(AFM)을 개발하고 상용화한 공로로 1997년 미국에서 '벤처 人生'을 시작했습니다. 그는 현재까지도 이 회사에서 CEO로 근무하고 있습니다.

The AFM Technology Innovator



1997-Present

KOSDAQ
LISTED COMPANY

2015

세계 2위, 국내 유일 ... 원자현미경 분야 '매운 고추'

박 대표, 스탠퍼드식 물리학 전공후
교수직도 거절하고 나노 분야 개척
박스시스템즈 창업 소문 듣고 첫 주문
마이크론 등 글로벌 업체가 주 고객

중국은 수백억 원의 투자를 유치한데 비해 미국에서는 수백억 원의 투자를 유치하지 못했습니다. 박 대표는 "미국에서는 수백억 원의 투자를 유치한데 비해 미국에서는 수백억 원의 투자를 유치하지 못했습니다."

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한국에서 창업 후 20년은 돈이 안된
대기업이 원자현미경 분야에 진출했다. 그는
"원자현미경을 도약시켜야 할 반도체 기업들
은 도약시키는 도약제 역할을 하고 있다"

박 대표는 "미국에서는 수백억 원의 투자를 유치한데 비해 미국에서는 수백억 원의 투자를 유치하지 못했습니다."

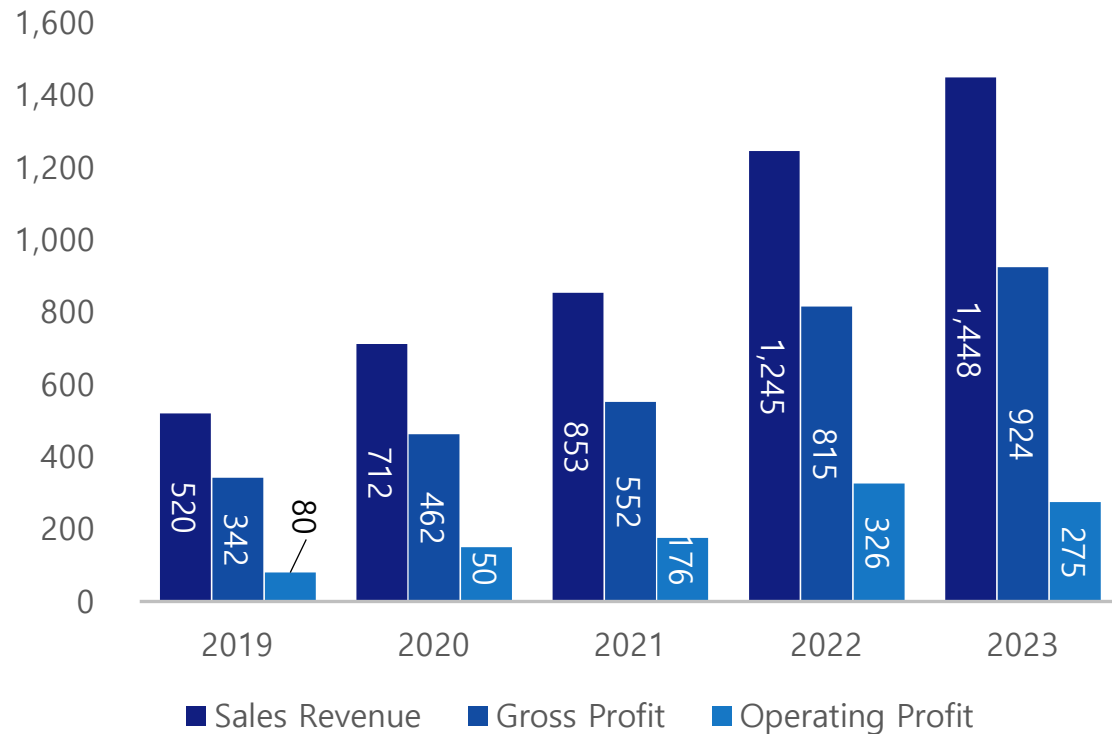
박 대표는 "미국에서는 수백억 원의 투자를 유치한데 비해 미국에서는 수백억 원의 투자를 유치하지 못했습니다."

Sales and Orders for the Past 5 Years

- Park Systems has been consistently growing by 20-30% annually.
- Sales are growing steadily as demand for industrial equipment continues to increase.

SALES

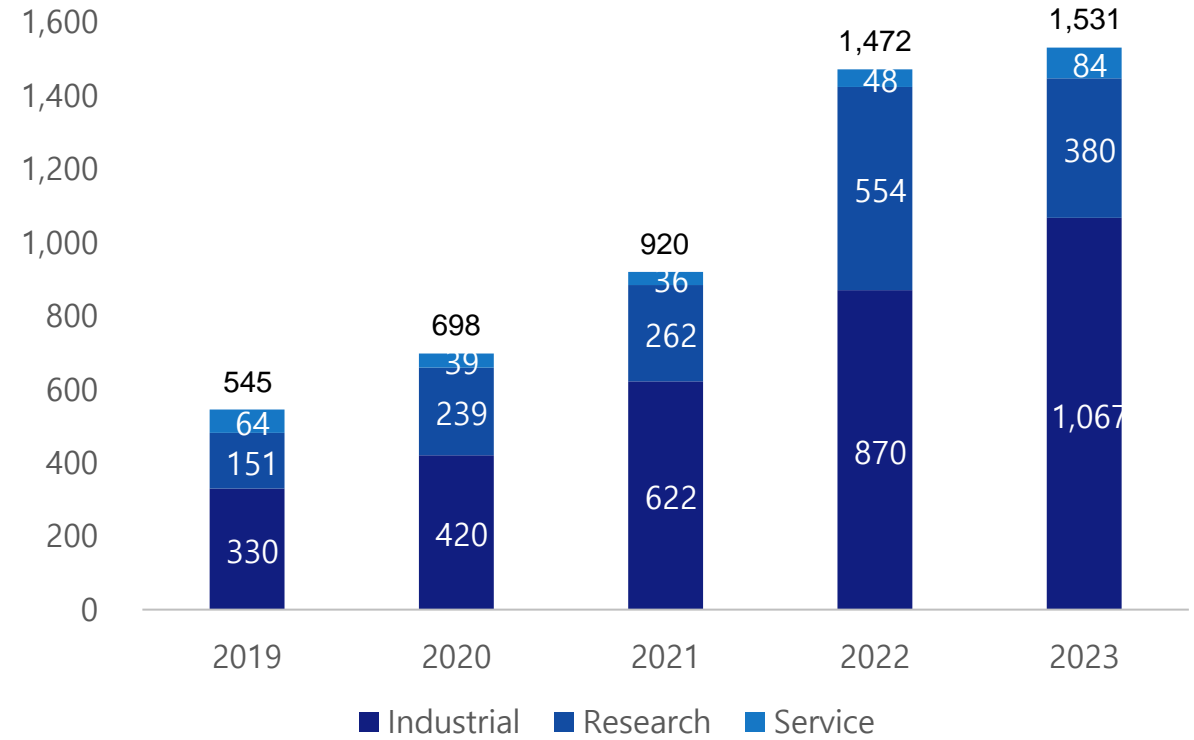
Unit : 100M KRW



Note : K-IFRS consolidated financial statement basis

ORDERS

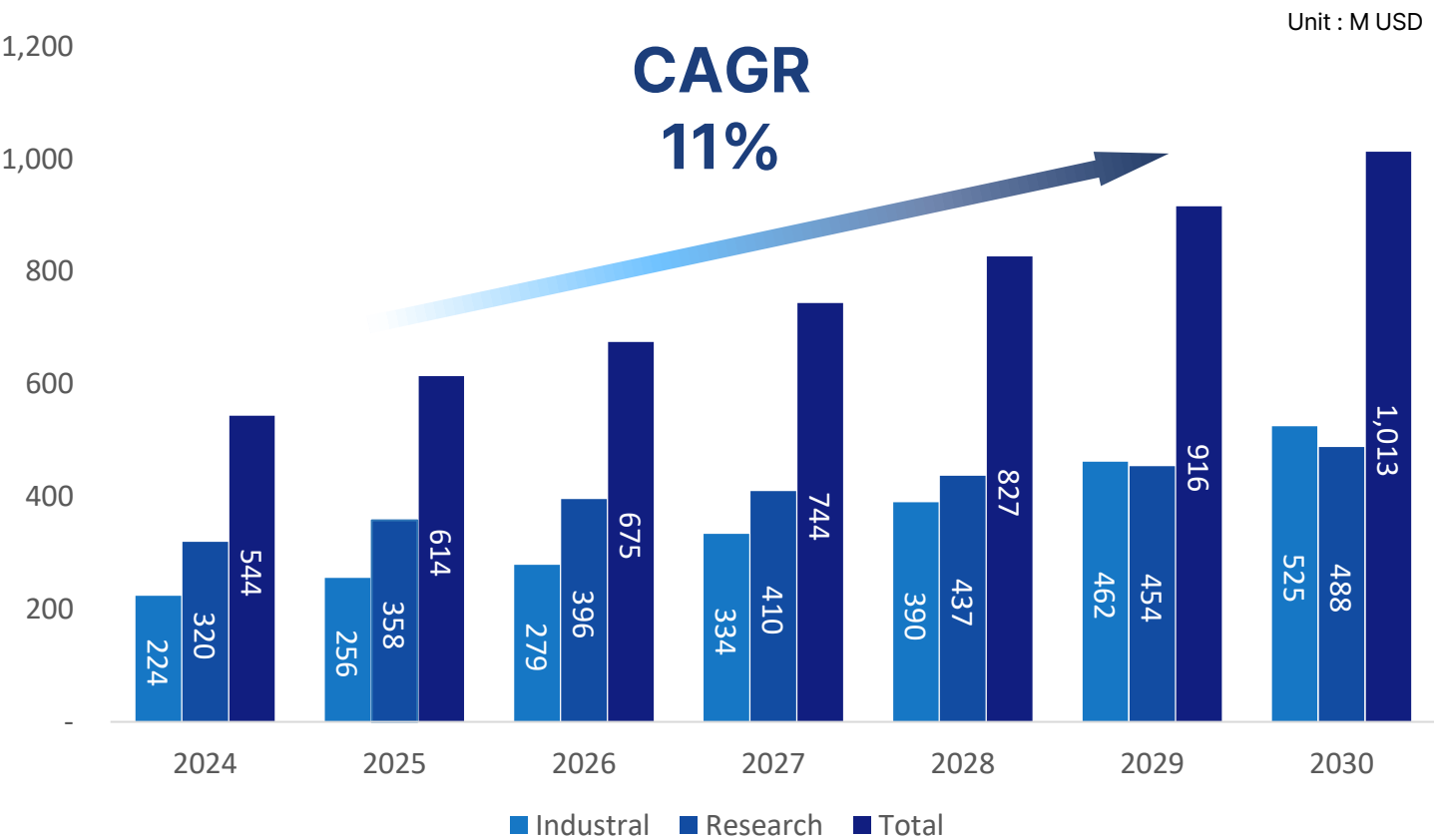
Unit : 100M KRW



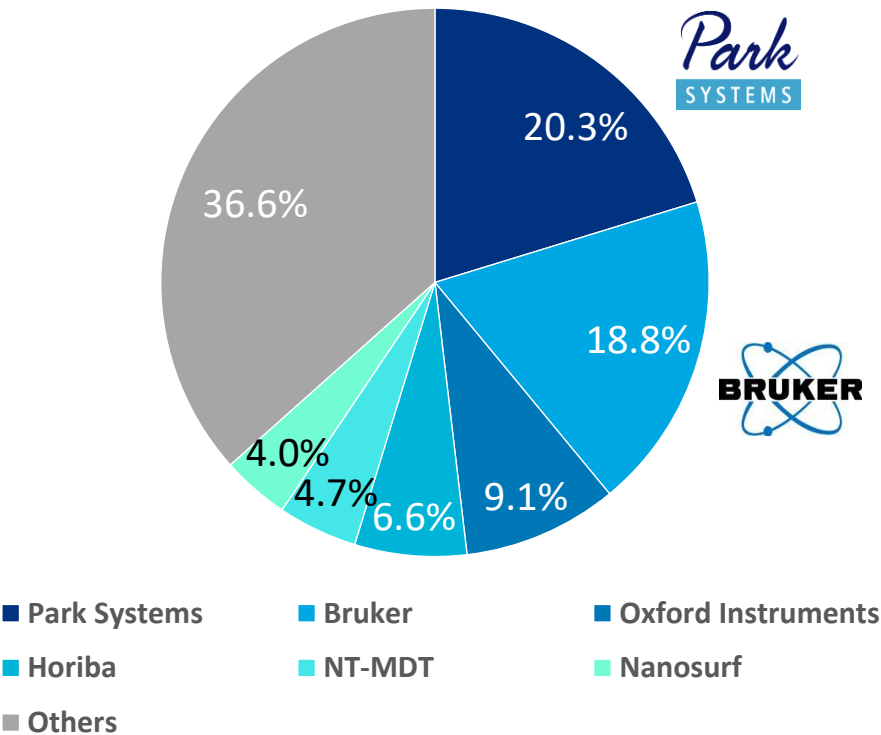
Note : K-IFRS consolidated financial statement basis

AFM Market

- Park Systems holds the No.1 position in the AFM market.
- The AFM market will grow steadily with rising industrial equipment demand.



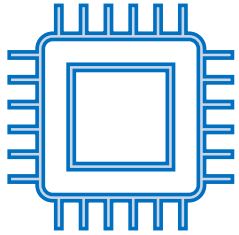
Top 6 AFM Manufacturers



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

Market Opportunities

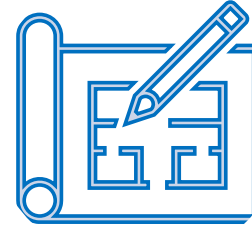
- Opportunities arising from the miniaturization of semiconductor processes.
- Scalability to industries beyond semiconductors.



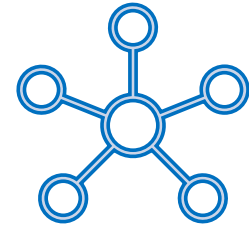
Miniaturization and
Increasing Complexity



Increasing Utilization in
Advanced Processes



Growing Applications in
Back-End Processes

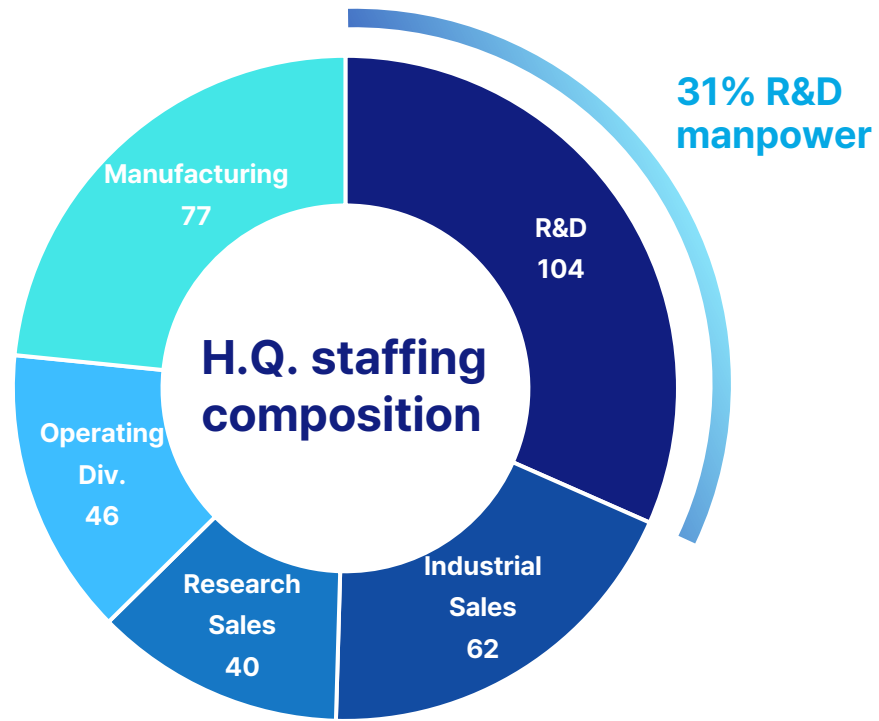


Expansion into
Various industries

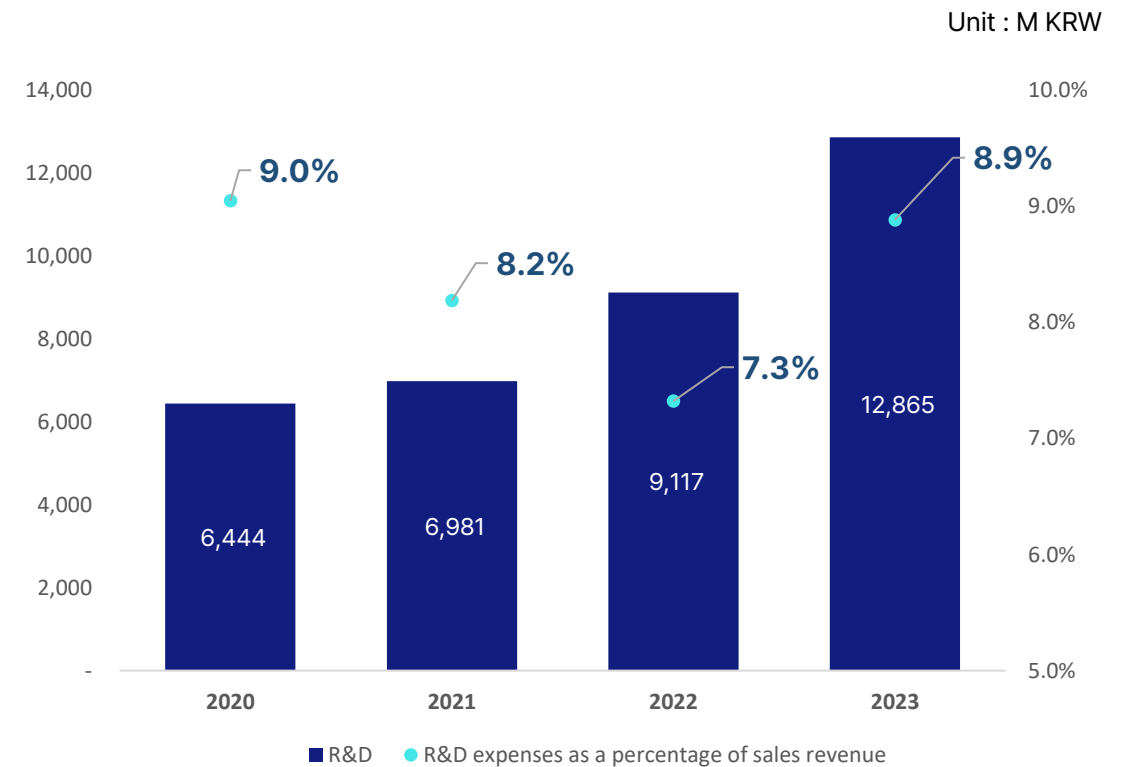


R&D

- Park Systems is a global leader in AFM manufacturing with top-tier R&D for nanoscale metrology.



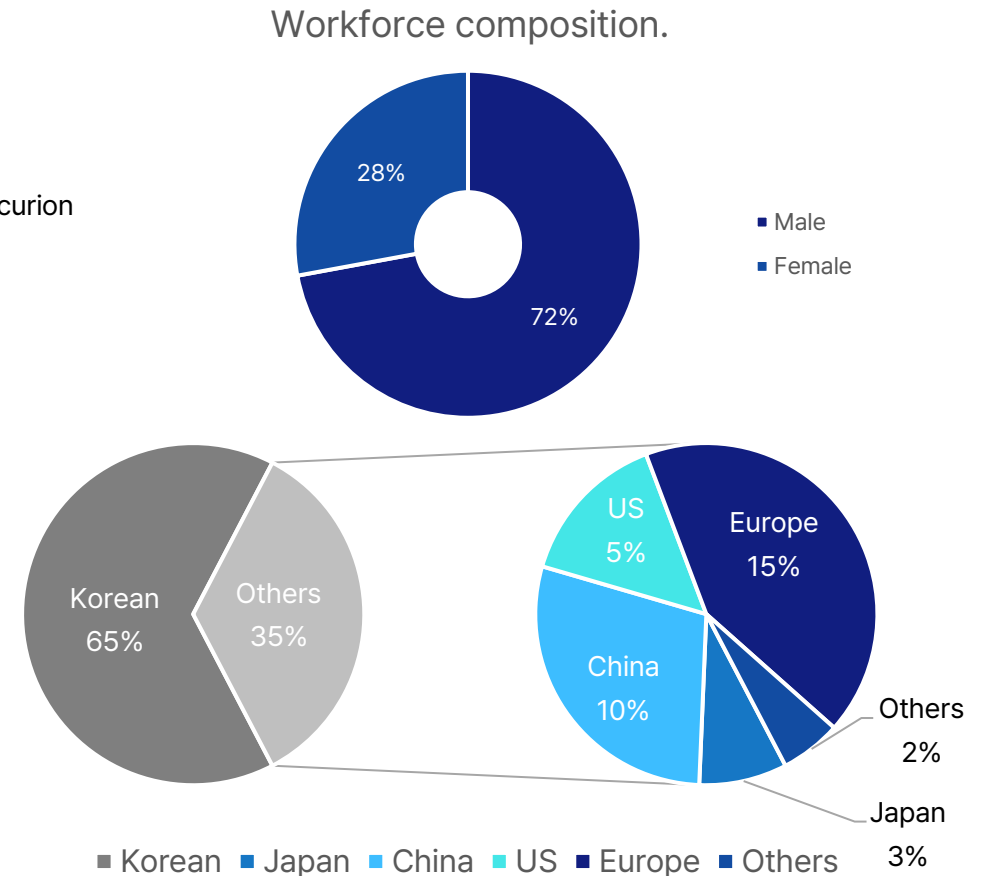
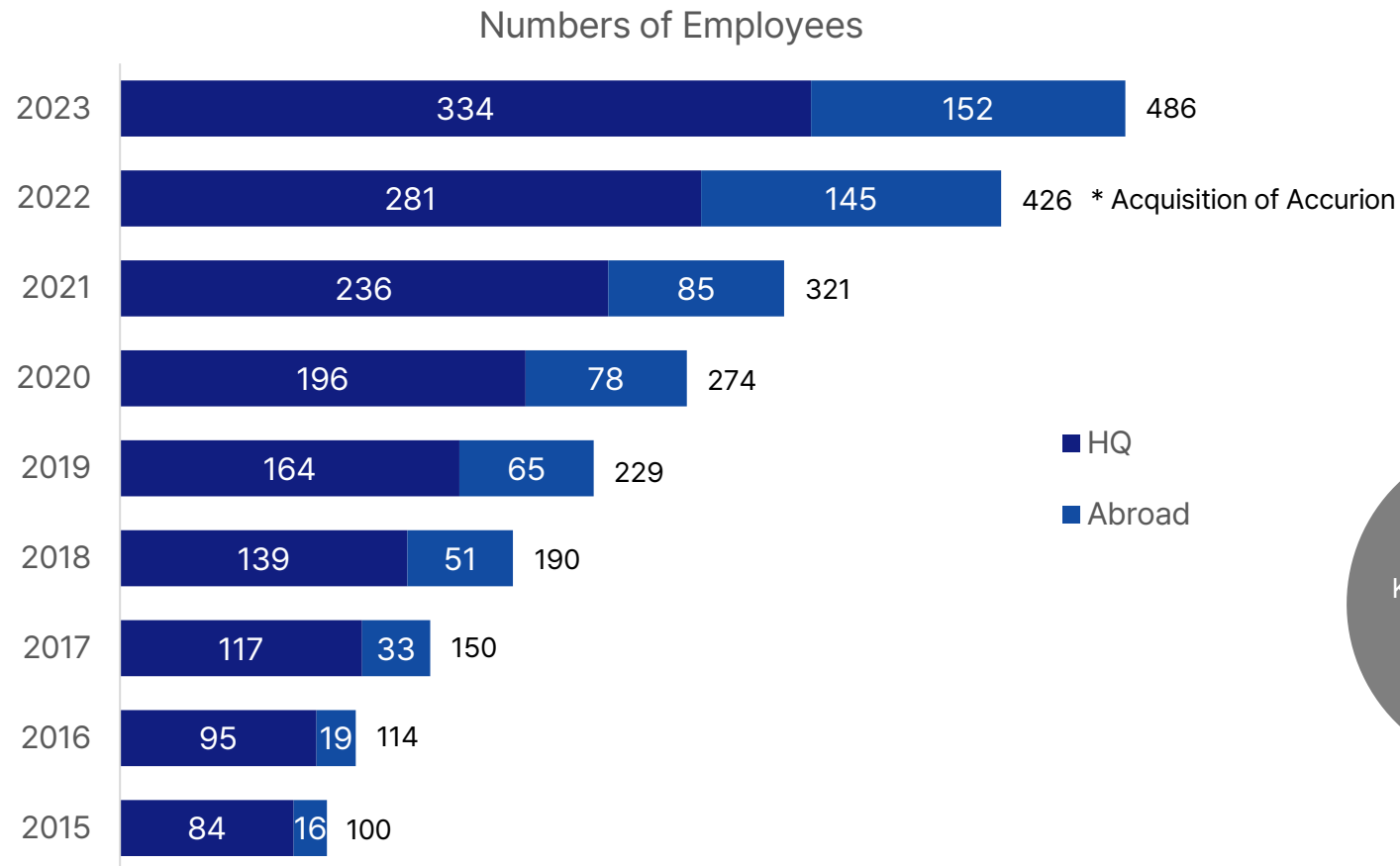
As of 2023.12.31



Note : K-IFRS consolidated financial statement basis

ESG-HR

- Thanks to explosive growth, the workforce has been steadily increasing each year.
- Inclusion of diversity in gender and nationality.



ESG-Board of Directors

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



Sang-il Park Chairman

- CEO of Park Systems Corp. (1997~)
- Park Scientific Instruments, CEO (1988~1997)
- MBA, AEA-Stanford Executive Institute (1994)
- Ph.D. Applied Physics, Stanford Univ. (1987)
- BS. Physics, Seoul National Univ. (1981)

Compensation Committee



Jung-hwa Han Outside director

- **Outside director of Park Systems(2020~)**
- Professor of Hanyang Univ.(1989~)
- Chairman of Asan foundation(2019~2021)
- Director of Small and Medium Business Administration(2013~2016)



Sang-gil Jeon Outside director

- **Outside director of Park Systems(2019~)**
- Professor of Hanyang Univ.
- President, Korea Human Resources Development Institute
- Member of the Personnel Innovation Committee of the Prime Minister's Office



Jun Chung Outside director

- **Outside director of Park Systems(2023~)**
- CEO of Solid(1998~)
- Professor of KAIST(2020~)
- Researcher of Korea Telecom (1994~1998)
- Researcher of Hitachi(1993~1994)

Audit Committee



Kee-jun Park Outside director

- **Outside director of Park Systems(2024~)**
- CPA of Woori accounting firm(2020~)
- Outside Director of Meta-Branding(2023~)
- CEO of Kitus Co., Ltd.(2009~2019)
- CPA of Garib accounting firm(1997~1999)
- CPA of Anjin accounting firm(1988~1997)



Kyu-Shik Kim Outside director

- **Outside director of Park Systems(2019~)**
- SM Ent. Outside director(2023~)
- Korea governance forum outside director(2021~)
- Executive Director of Soorim Asset Management (2018)
- Audit of Unimax (2016 ~ 2018)
- Risk Judge of Korea Asset Management Corp(2015 ~ 2016)



Seung-ki Chae Outside director

- **Outside director of Park Systems(2020~)**
- Technical Committee of LG Display(2019~2024)
- Professor of Sungkyunkwan Univ.(2016~2019)
- Managing Director of Samsung Display(2013~2015)
- Director of Samsung Mobile Display(2011~2012)
- Samsung semiconductor(1993~2010)

ESG-Dividend

- Dividend Policy to enhance shareholders' Value
 - The company gives top priority to investment in organic and inorganic growth.
 - And then it has plans of share repurchase and dividend payout.
 - The dividends are supposed to be within the range of 10%~50% of FCF

	Unit	2020	2021	2022	2023
Earnings per Share	KRW	1,629	1,508	3,258	3,786
Dividend per share	KRW	180	250	400	400
Free Cash Flow (A)	M KRW	9,020	3,693	17,020	17,080
Total dividend (B)	M KRW	1,195	1,717	2,761	2,768
Payout ratio (B/A)	%	13.2%	46.5%	16.2%	16.2%

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 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

CAPEX Investment Plans

- New Gwacheon Headquarters
 - Construction Start date: 2023.9.15
 - Estimated move-in: the 1st half of 2026



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



Activities for Advancing Nanotechnology

- Park Systems is continuously engaging in activities to advance nanoscience.
- Park Systems is involved in organizing events related to nanoscience and publishing magazines.

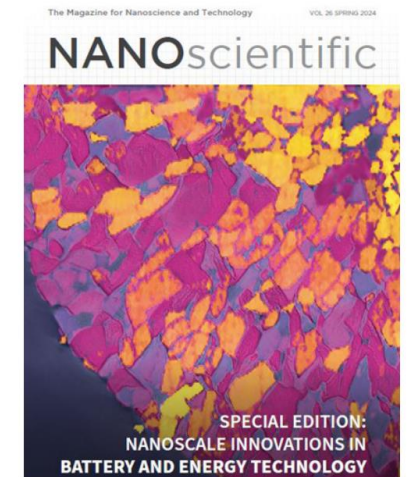
NANOscientific Magazine, SPRING 2024

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.

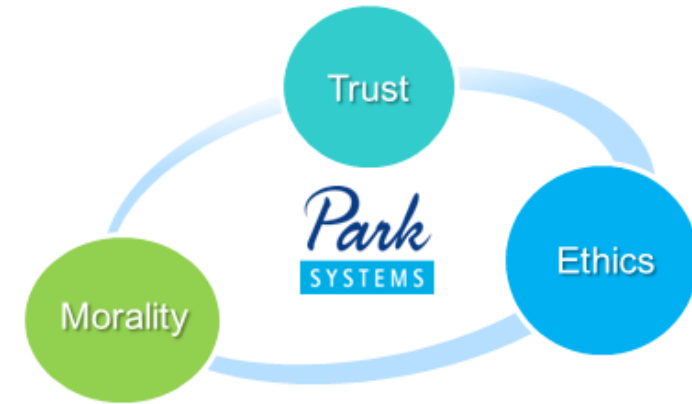


Company Overview

Company Status

Company	Park Systems Corp.
CEO	Sang-il Park
Established	April 7, 1997
Capital	3,483m (KRW) (As of Dec, 2023)
Employees	486 (As of Dec, 2023)
Business field	Precision Instrument Manufacturing
Product	Atomic Force Microscope
Location	KANC 15F, Gwanggyo-ro 109, Yeongtong-gu, Suwon, 16229, Korea
Website	http://www.parksystems.com

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

- Park Systems Corp., CEO and Chairman
- Park Scientific Instruments Corp., Chairman & CEO, USA
- Stanford Univ., Research Associate
- Ph.D. Applied Physics, Stanford Univ.
- B.S. Physics, Seoul National Univ.



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



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



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.



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.S. English literature, Sejong Univ.

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

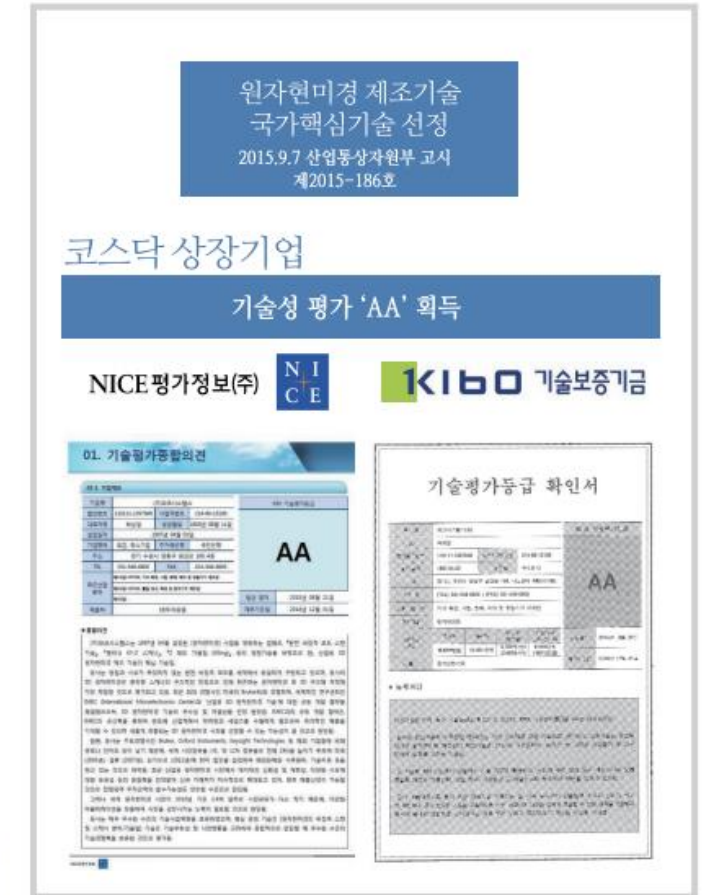
- Park Systems has received prestigious awards and obtained top-level technology certifications.



▪ KOSDAQ Grand Prize



▪ 2024 IR Grand Prize



- National Core Technology
- AA in Technology Assessment

Financial Statements

- Park Systems continues to grow at an annual average of 20~30% and achieves high profit margins through the supply of high value-added products.

Unit : M KRW

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

Note : K-IFRS consolidated financial statement basis

Unit : M KRW

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

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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031-780-7447



Provisional

'24 Earnings Presentation

Park Systems

IR Team

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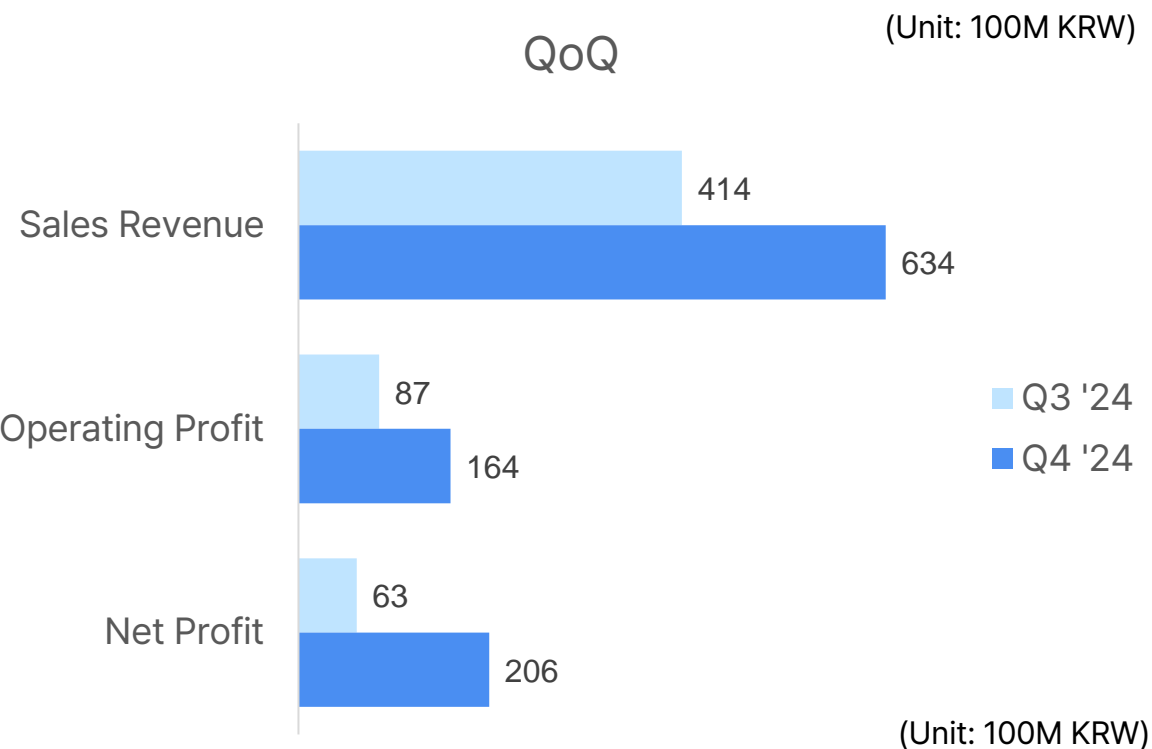
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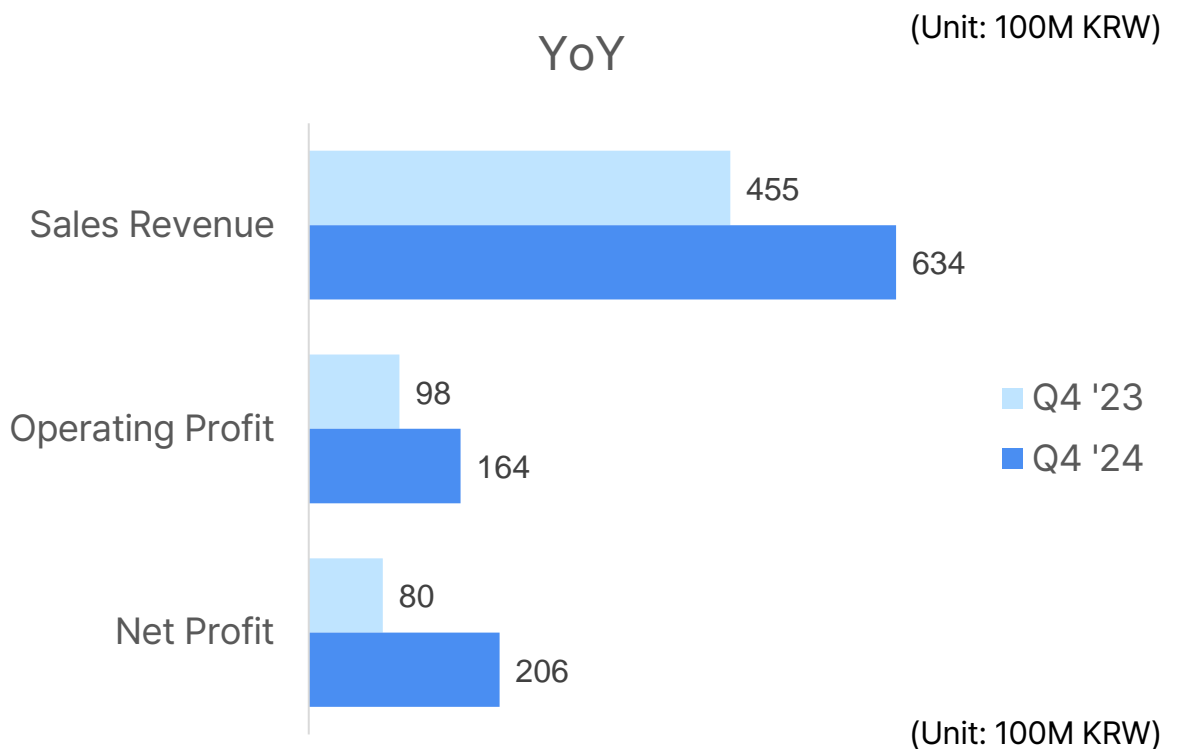
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Q4 '24 Performance(Provisional)



	Sales Revenue	Operating Profit	Net Profit
Q3 '24	414	87	63
Q4 '24	634	164	206
QoQ(%)	53%	89%	227%

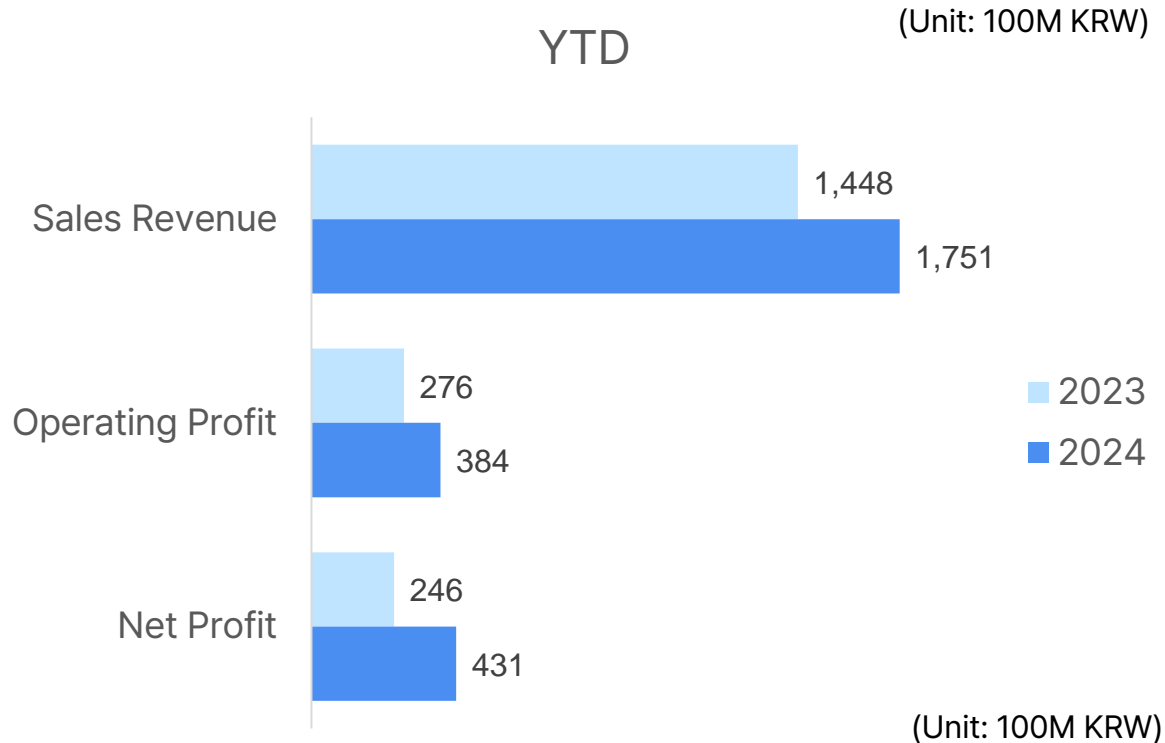
Note : K-IFRS consolidated financial statement basis



	Sales Revenue	Operating Profit	Net Profit
Q4 '23	455	98	80
Q4 '24	634	164	206
YoY(%)	39%	67%	158%

Note : K-IFRS consolidated financial statement basis

'24 YTD Performance(Provisional)



	Sales Revenue	Operating Profit	Net Profit
2023	1,448	276	246
2024	1,751	384	431
YoY(%)	21%	39%	75%

Note : K-IFRS consolidated financial statement basis

- Sales revenue increased by 21%, Operating profit by 39%, and Net profit by 75% compared to the previous year.
- Demand for AFM is increasing due to semiconductor process miniaturization and the emergence of new applications.
- Increased demand for new equipment and expansion into new processes.
- Due to the foreign exchange effect, a significant non-operating profit was generated, leading to an increase in net profit.

Q4 '24 Events

- Various activities for the advancement and exchange of nanotechnology.

- ✓ NANOscientific Symposium Japan, Tokyo (Oct 18)



- ✓ NANOscientific Symposium China, Suzhou (Oct 25~27)



- ✓ NANOscientific Forum Europe, Germany (Oct 29~31)



- ✓ NANOscientific Symposium Americas, AZ, USA (Nov 11~13)



Q4 '24 Events

- Various activities for the advancement and exchange of nanotechnology.

- ✓ ICCAS 2024, Jeju (Oct 29 ~ Nov 1)



- ✓ ICSPM32 Sapporo, Japan (Nov 18~20)



- ✓ KISM, Busan (Nov 11~15)



- ✓ 2024 NANOscientific Symposium Korea, Busan (Nov 21)



Q4 '24 Awards

- Demonstrated capabilities and competitiveness by receiving multiple awards in various fields, including capital markets, technological excellence, and sales performance.



✓ 2024 Korea IR Awards(Oct 17)



✓ 2024 Ministry of Industry Top 10 R&D Award (Nov 27)



✓ \$70 Million Export Tower Award(Dec 5)

M&A

- Acquisition of Lyncée Tec (Dec 20)

About Lyncée Tec	
Corporate name	Lyncée Tec
Location	Lausanne, Swiss
Business Item	Digital Holographic Microscope (DHM®)
Employees	18

Innovative Solutions

Lyncée Tec delivers cutting-edge 3D analysis solutions using patented DHM® technology.

Collaborative Development

Close partnerships with institutions like EPFL drive advanced technology and customized systems.

Industry Leadership

Leading innovation in life sciences, material sciences, industrial quality control, and R&D with multidisciplinary expertise.



Appendix

Company Overview

Company Status

Company	Park Systems Corp.
CEO	Sang-il Park
Established	April 7, 1997
Capital	3,483m (KRW) (As of Dec, 2023)
Employees	486 (As of Dec, 2023)
Business field	Precision Instrument Manufacturing
Product	Atomic Force Microscope
Location	KANC 15F, Gwanggyo-ro 109, Yeongtong-gu, Suwon, 16229, Korea
Website	http://www.parksystems.com

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.

Financial Statements(Provisional)

- Park Systems continues to grow at an annual average of 20~30% and achieves high profit margins through the supply of high value-added products.

Unit : M KRW

B/S	2021	2022	2023	2024
Current assets	106,681	126,307	148,107	
Non-current assets	27,234	40,742	53,566	
Total asset	133,915	167,049	201,673	275,790
Current liabilities	26,669	39,688	49,665	
Non-current liabilities	17,103	7,898	8,523	
Total Liabilities	43,772	47,586	58,188	86,633
Capital	3,449	3,474	3,483	3,494
Additional paid in capital	43,629	48,146	49,189	
Others	(203)	(1,692)	(523)	
Retained earnings	43,267	69,535	91,336	
Total equity	90,142	119,463	143,485	189,157

Note : K-IFRS consolidated financial statement basis

Note : The above 2024 figures are based on provisional earnings. Only disclosed figures are provided, and they may differ from the audited results.

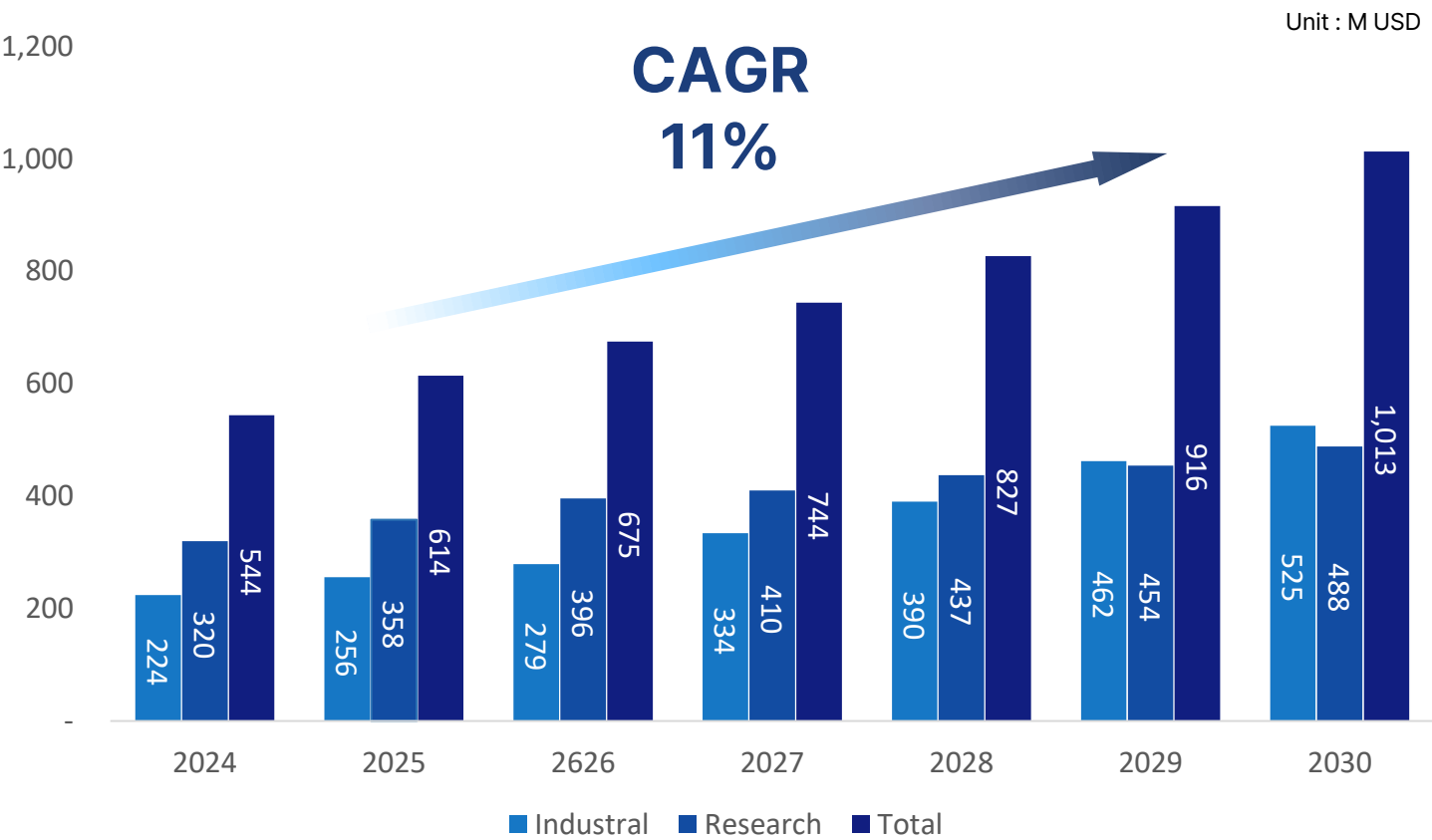
Unit : M KRW

I/S	2021	2022	2023	2024
Sales Revenue	85,250	124,522	144,806	175,061
Cost of goods sold	30,063	43,053	52,401	
Operating expenses	37,606	48,821	64,845	
Operating profit	17,581	32,648	27,560	38,445
Non-operating profit	10,962	11,332	6,662	
Non-operating expenses	19,788	12,099	7,079	
Profit before tax	8,755	31,881	27,143	46,999
Tax expenses	(330)	3,897	2,581	
Net income	9,085	27,984	24,562	43,141

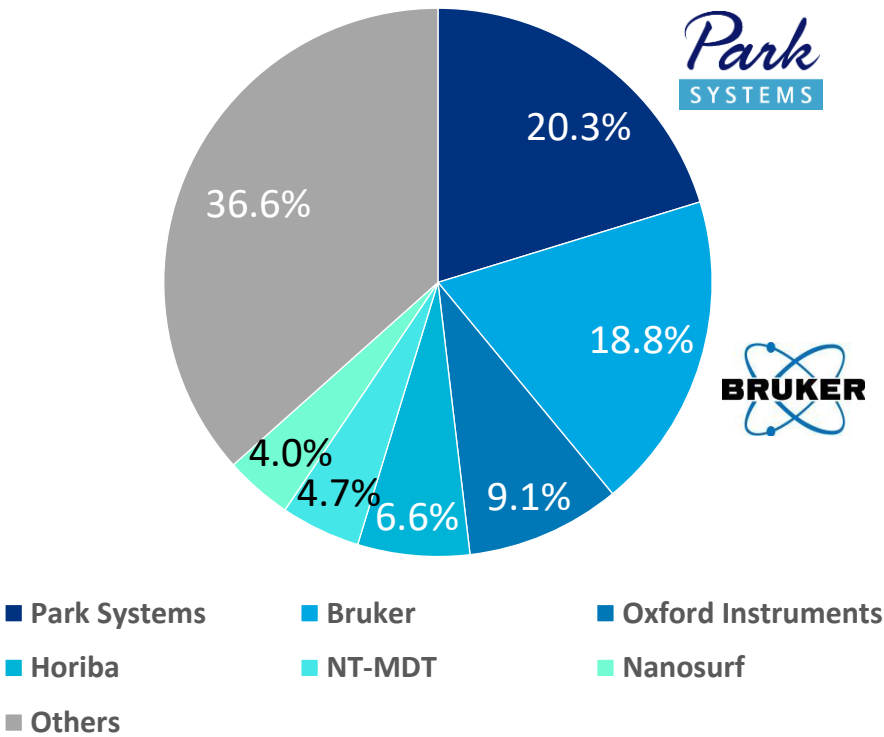
Note : K-IFRS consolidated financial statement basis

AFM Market

- Park Systems holds the No.1 position in the AFM market.
- The AFM market will grow steadily with rising industrial equipment demand.



Top 6 AFM Manufacturers



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



Thank you

Park Systems

IR Team

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