



SEOUL SEMICONDUCTOR

2022년 2분기 실적 발표

서울반도체의 국문 IR자료 및 재무제표는 인터넷을 통해 다운로드 받을 수 있습니다.

IR팀 | 2022년 08월 10일

1) IR프레젠테이션 : 서울반도체 홈페이지 <http://www.seoulsemicon.com/kr/ir/data/>

2) 재무제표: 금융감독원 전자공시사이트 <http://dart.fss.or.kr>

회사명(서울반도체) 또는 회사코드 (046890)를 넣은 후 검색버튼 클릭

재무제표는 분/반기 및 사업보고서를 통해 확인하실 수 있습니다.

0. 유의 사항

본 자료에 포함된 실적은 K-IFRS 연결 기준입니다.

또한 본 자료는 미래에 대한 “예측정보”를 포함하고 있습니다. 이는 과거가 아닌 미래의 사건과 관계된 것으로 회사의 향후 예상되는 경영현황 및 재무실적을 의미하고 표현상으로 ‘예상’, ‘전망’, ‘계획’, ‘기대’ 등과 같은 단어를 포함합니다.

“예측정보”는 그 성격상 불확실한 사건들을 언급하는데, 회사의 향후 경영현황 및 재무실적에 긍정적 또는 부정적으로 영향을 미칠 수 있는 불확실성에는 다음과 같은 것들이 포함됩니다.

- 환율, 이자율 등의 변동을 포함한 국내외 금융시장의 동향
- 사업의 처분, 매수 등을 포함한 회사의 전략적인 의사결정
- 회사가 영위하는 주요 사업 분야의 예상치 못한 급격한 여건 변화
- 기타 경영현황 및 재무실적에 영향을 미칠 수 있는 국내외적 변화

이러한 불확실성으로 인해 회사의 실제 미래실적은 “예측정보”에 명시적 또는 묵시적으로 포함된 내용과 중대한 차이가 있을 수 있음을 양지하시기 바랍니다.



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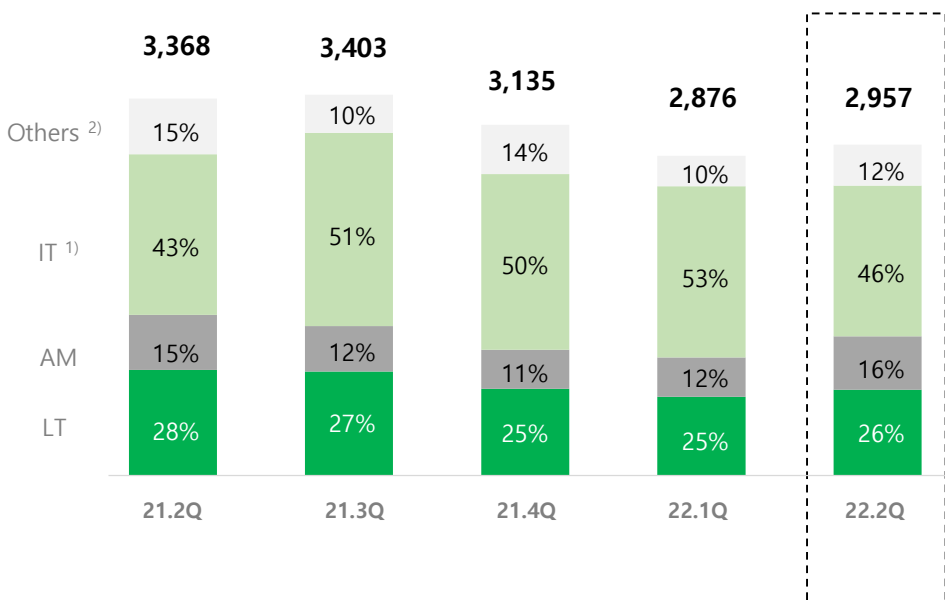
2022년 2분기 실적

I. 2022년 2분기 실적 _ 매출 및 매출비중

- 매출액 2,957억원으로 QoQ 3% 증가 YoY 12% 하락, 영업이익률 1.6%로 흑자전환

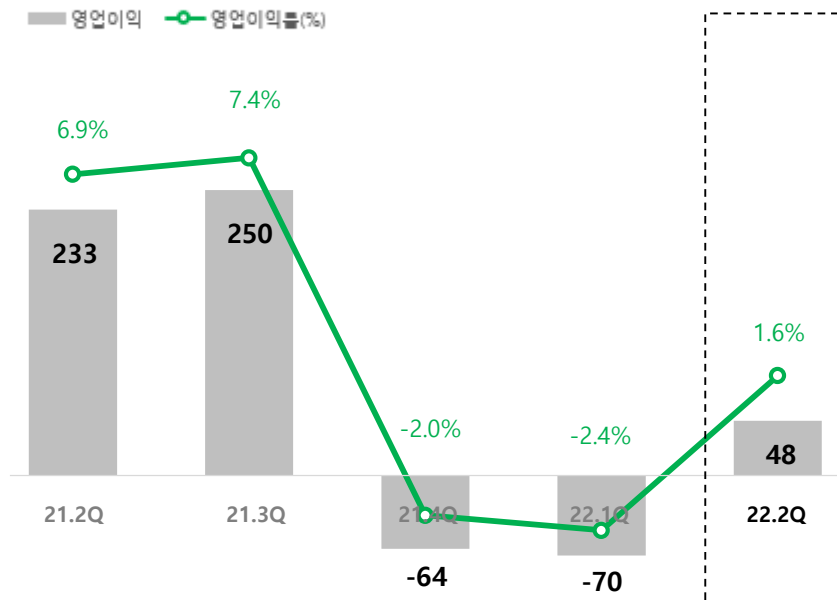
매출, 매출비중

(단위: 억 원)



영업이익, 영업이익률

(단위: 억 원)



1) IT: TV, Monitor, Laptop, Tablet PC, Mobile, Flash, Navigation 등 포함

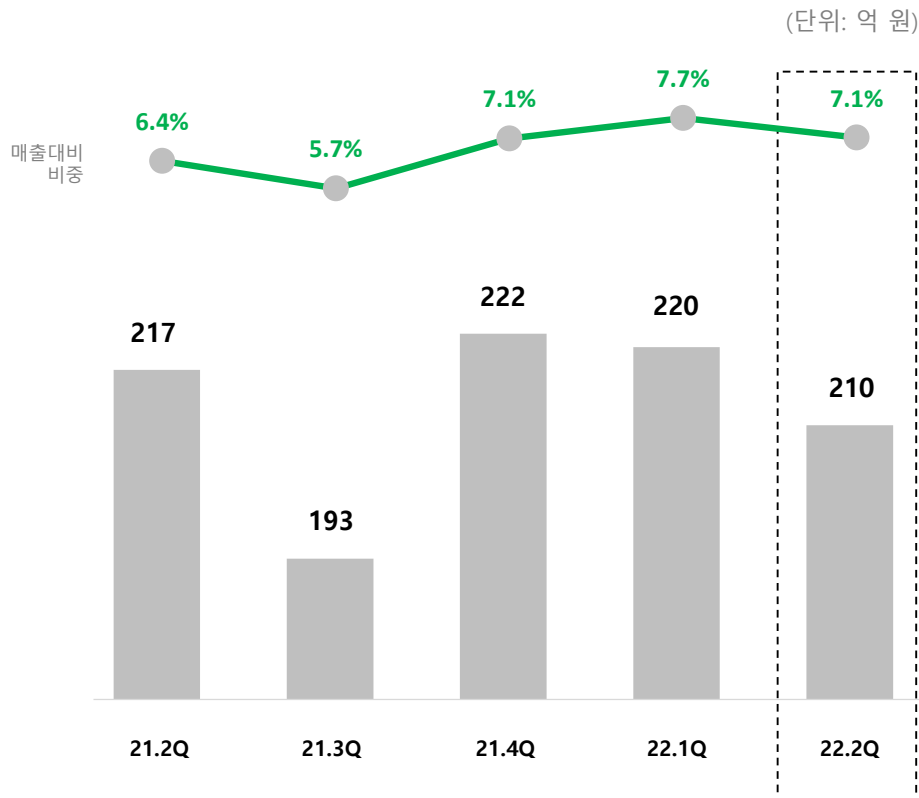
2) Others: UV, Laser Diode, VCSEL 등 포함

※ 반올림한 수치로 100%가 되지 않을 수 있음

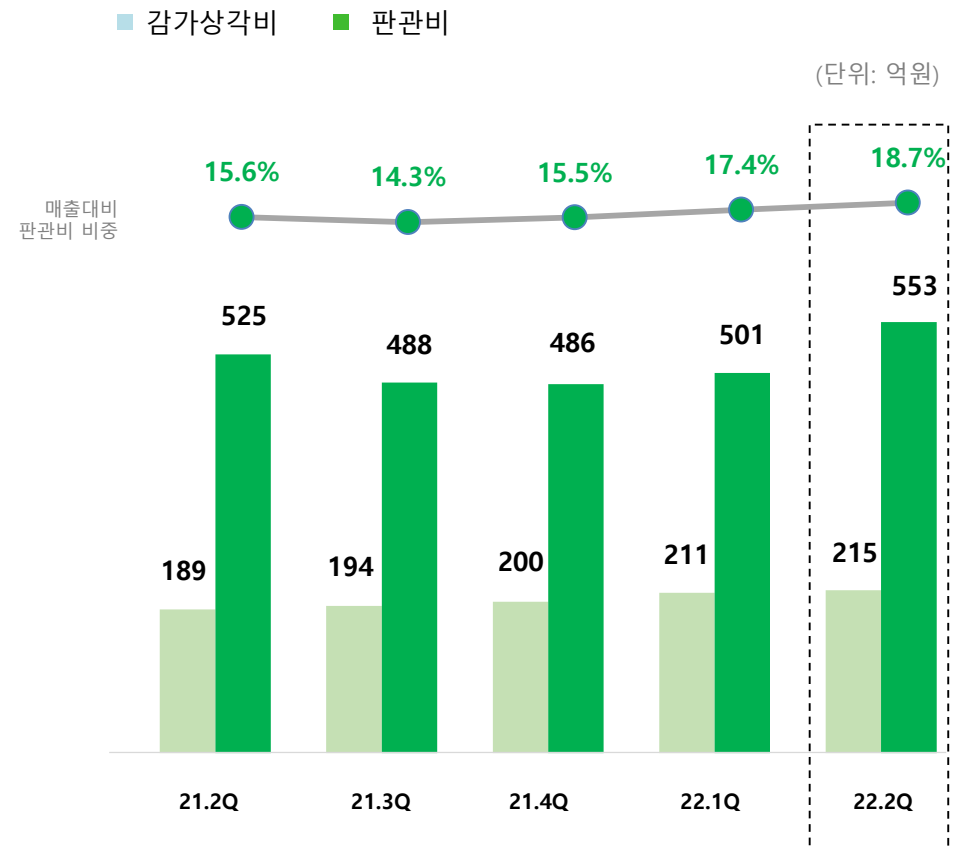
I. 2022년 2분기 실적 _ 투자, 비용

- R&D 투자금액 210억 원, 감상비 215억 원, 판관비 553억 원

R&D 투자금액



비용

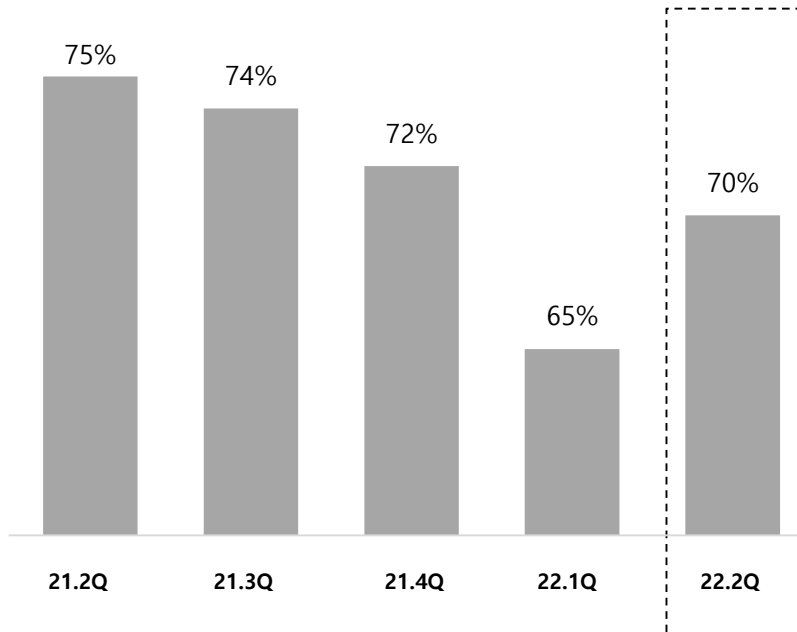


I. 2022년 2분기 실적 _ 가동률, Capex, EBITDA

- 가동률 70%, Capex 131억 원, EBITDA 248억 원

가동률

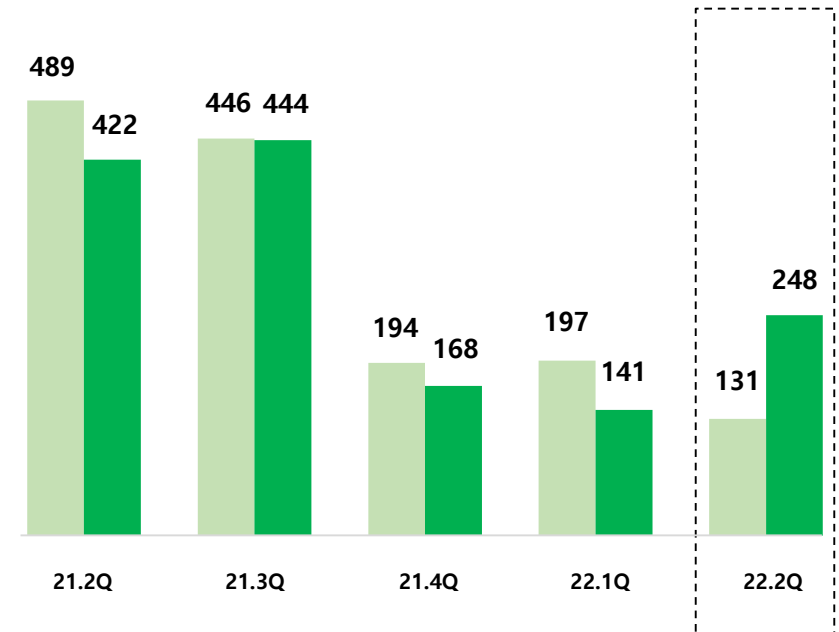
(단위: %)

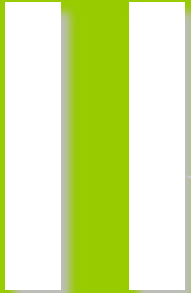


Capex, EBITDA

Capex EBITDA

(단위: 억원)

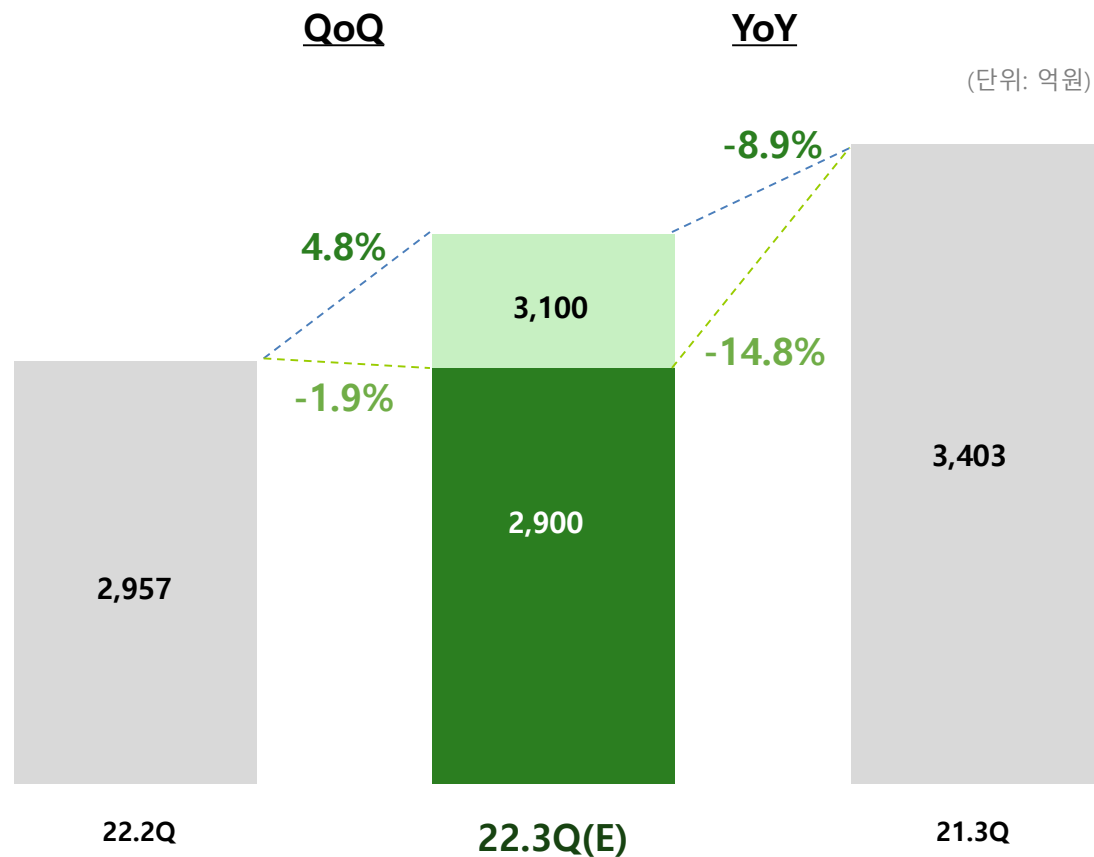




2022년 3분기 매출 전망

II. 2022년 3분기 _ 매출 가이드스

- 2022년 3분기 전망은 2,900~3,100억 원



II. 2022년 3분기 및 연간 전망 _ 지속 성장 방안

- 비용효율화 및 원가혁신을 기반으로 2세대 LED 성과 창출

산업 구분	2세대 LED 요구사항	서울반도체 기술
공통	연색지수(CRI):90 이상, 밝기:150lm/W 이상	CdO 형광체, 18000특허
	고전압 구동	<i>Acrich</i> Driver
조명	인간의 생체 리듬에 최적화된 자연광	<i>SunLike</i>
자동차	자율주행, 지능형 헤드램프	<i>Wicop</i>
디스플레이	명암 비, 해상도, AR/VR	<i>Wicop</i> mini/mc

비용 효율화
+
원가혁신

※ CdO: Cadmium Oxide

Q&A



APPENDIX

WSJ에 게재된 기사 – 미래 2세대 LED 기술 선점

16 June 2022

서울반도체는 대한민국 1위의 LED기업이면서 특허 출원 세계 1위 기업이다. 2세대 혁신 기술로 세계 1위 향해 도약 준비를 마쳤다. 최근 시판되는 LED는 1만 시간 이상의 수명, 150 루멘퍼와트(lm/W)의 효율, 수준 높은 색 품질(CRI 90+)은 모두 서울반도체의 특허가 필요하다. 조명, 디스플레이, 자동차에 사용되는 가시광 LED는 2년 연속 3위로 1위에 도전하고 있다.

THE WALL STREET JOURNAL.

◆ BOW JONES | *Alfred George* ◆ ◆ ◆ ◆ ◆

THURSDAY, JUNE 16, 2022 • VOL. CCLXXIX NO. 139

WSJ.com ◆ ◆ ◆ ◆ ◆ \$5.00

BARRON'S \$3.50 • \$35.70 10% NASDAQ 10999.31 ▲ 2.8% SP500 409 ▲13.30 ▲ 3.4% 10-YR TREAS. ▲ 243.2, yield 3.89% OIL \$115.37 ▼ \$3.62 GOLD \$1,835.30 ▲ 25.30 EURO \$1.0446 YEN 138.83

Seoul Semiconductor: #1 in Patent Power Pre-empting The Future with 2nd Generation LED Technologies

A LED patent monster: 18,000 patents, winning all 98 IP infringement cases since 2003
30 years all-in for Opto Semiconductors, Ranked 1st and 3rd in UV LED and visible LED sector
Son of a farmer shapes the future of light; inspiring young people to have a dream

Seoul Semiconductor and Seoul Micro Resistor, referred to as Seoul, are Korea's #1 optical semiconductor LED company and are among the world's #1 patent-powered companies.

Seoul is the only company in the world to offer the entire wavelength range from visible light to ultraviolet and infrared, in light-emitting diodes as well as various diodes (VCSEL). In addition, Seoul is 100% vertically integrated with production capacity for all of these technologies, from wafers and chips to packaged and module.

Seoul is investing nearly \$100 million in R&D every year and pursuing next-generation LED technologies at a staggering rate. Its collection of patents is unrivaled in the LED industry. Besides technology patents, there are thousands of patents for applications related to other major industries. Almost none of the LED products in the world today can be produced unless Seoul approves the use of its patents.

Ready to lead to 21 in the world with innovative 2nd generation technologies

LEDs are reaching the second generation that enables 10,000+ hours of lifetime, efficiencies greater than 150 lm/W, better color quality (CRI90+), clearer design, and like a filament light bulb, etc. Seoul Semiconductor founder, Chai Lee, started the company 30 years ago, he has worked tirelessly alongside his team, and still is looking for the next generation of LED technology. With his ongoing light to protect the company's IP, he also aims to give hope to young people seeking for opportunities.

Lighting: good sleep, good memory, good eye health

Since the birth of the world 4.5 billion years ago, the string of life has evolved under the influence of Sun's light. As a result, our human body contains on a 24-hour basis following the cycle of the sun. In the morning sunlight, the body releases the melatonin hormone to raise awareness. It releases the melatonin hormone under the influence of early evening sunlight to help us sleep. Deep sleep helps the body to generate 70% of the body's cells including the brain cells.

Seoul has conducted experiments with various institutions across the globe to prove the amazing benefits of its technology. These studies confirmed that Sun-like wavelengths, and improves sleep and working memory. The research was conducted by the Center for Clinical Investigation (CCI) at Brigham and Women's Hospital at Harvard University in the U.S., University of Seoul in Seoul, Seoul National University in Korea, and 2019 Opto-technology Institute in Singapore.

For more information, visit Seoul Semiconductor's website (<http://www.seoulsemicon.com/en/technology/future>).

This second generation technology is already being used in the headlines of top brand cars in Europe, U.S. and Korea.

Displays: Ultra-high-definition micro and mini LED

Displays of the future including those for Augmented Reality and Virtual Reality should be eco-friendly with low power consumption, light enough to be readable in bright, outdoor environments, and have a long lifespan. They require a light source in the form of blue and green LEDs with a small size, low power, and no wiring. WLEDOP is the very technology to realize these requirements and surpasses conventional OLED technology.

Home appliances: A Win-Free Life Using Offended Light

Prior to COVID-19, the United States had 50,000 flu deaths annually. The emergence of COVID-19 increased the number to 120,000. It is expected that COVID-19 will continue to produce variants and remain a variable we must handle with. Besides vaccination and medical treatments, we need to find ways to prevent the virus from spreading. One, using only warmer light, Seoul Micro has developed. Warmer technology that can be used without the use of any harmful chemicals or pesticides. Whether it is in residential appliances or large HVAC systems, within commercial buildings, Warmer technology enables us to enjoy clean air and water. Free of all pathogens, it is a healthy and safe environment.

Seoul Micro has led in 10 years of research and development with H&B, biotech, farm, home, and Korea University. With 100% of data and Korean contents in just one second. During the same experiment, induction in the amount of viruses in the air was confirmed of more than 90% within 20-30 minutes, which can lead to significantly lower infection rates. For more information about this and other studies, please visit the Seoul Micro website: www.seoulsemicon.com/en/technology/future.

Chai Lee's commitment and philosophy to technology development

Founder Chai Lee considers the moment he came across an anecdote about former U.S. President Jimmy Carter as a turning point in his life. President Carter wrote in his book "Why not the best?" about how he challenges himself every day to be his best. Chai Lee found inspiration in the fact that Carter was the son of a farmer just like

◆ Seoul Semiconductor ◆

"The Wall Street Journal news organization was not involved in the creation of this content."

산업 구분	2세대 LED 요구사항	서울반도체 기술
공통	연색지수(CRI):90 이상, 밝기:150lm/W 이상	CdO 형광체, 18000특허
조명	고전압 구동 인간의 생체 리듬에 최적화된 자연광	Acrich Driver SunLike
자동차	자율주행, 지능형 헤드램프	Wicop
디스플레이	명암 비, 해상도, AR/VR	Wicop mini/mc
가전 제품	NO 바이러스, 깨끗한 공기/물/표면	violeds



III. Appendix _ 재무현황, 주요지표

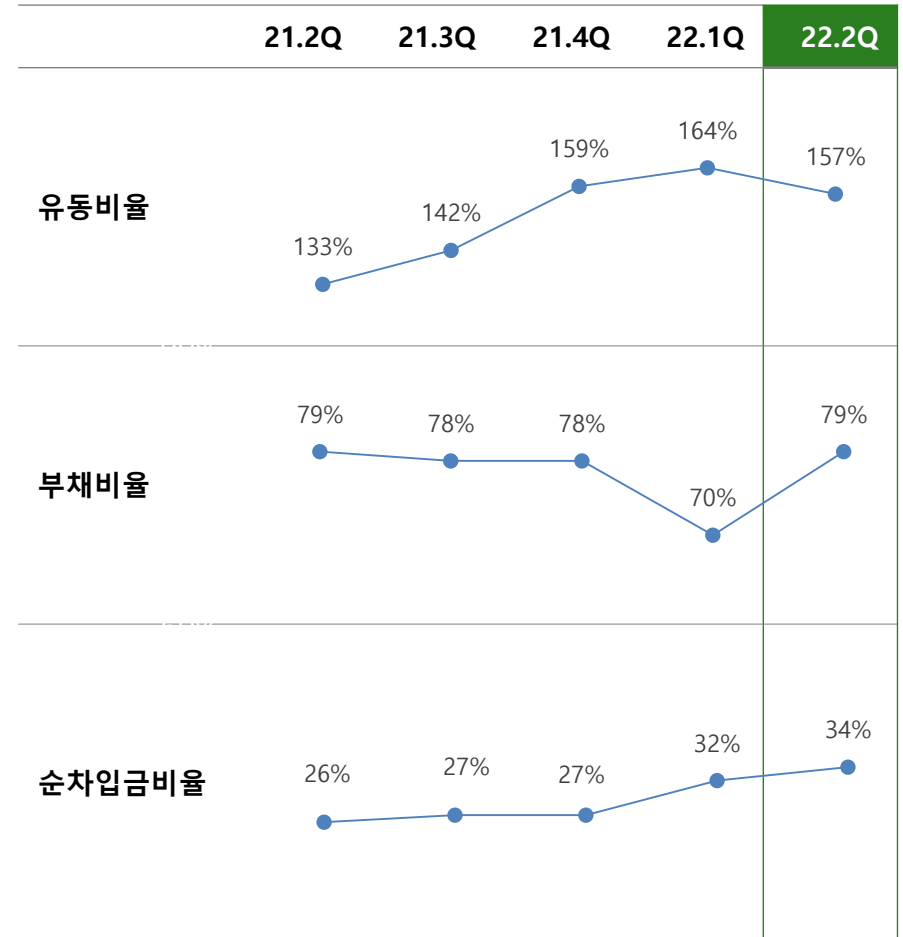
재무상태표

(단위: 억 원)

	21.2Q	21.3Q	21.4Q	22.1Q	22.2Q
자산	14,771	15,427	15,131	14,010	15,098
유동자산	7,339	7,597	7,297	6,074	7,005
현금·등가물	412	439	860	278	495
재고자산	1,877	2,188	2,098	1,937	2,058
비유동자산	7,432	7,830	7,834	7,936	8,093
부채	6,498	6,745	6,610	5,754	6,647
유동부채	5,507	5,368	4,588	3,700	4,453
비유동부채	991	1,378	2,021	2,054	2,194
자본	8,273	8,682	8,521	8,256	8,451
차입금	2,650	2,823	3,204	2,940	3,474
순차입금	2,163	2,359	2,266	2,588	2,900

주요지표

(단위: %)



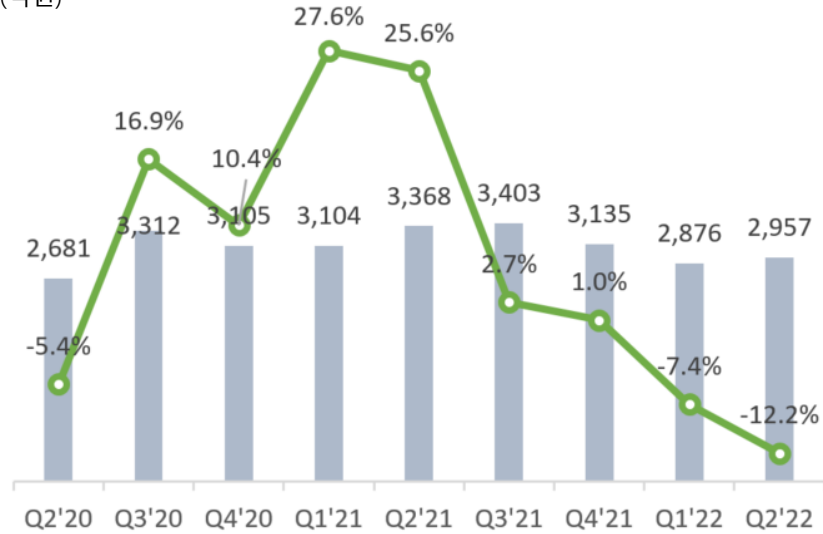
III. Appendix _ 요약재무제표

(억 원)	'19.4Q	2019	'20.1Q	'20.2Q	'20.3Q	'20.4Q	2020	'21.1Q	'21.2Q	'21.3Q	'21.4Q	2021	'22.1Q	'22.2Q
[손익계산서]														
매출액	2,813	11,299	2,432	2,681	3,312	3,105	11,531	3,104	3,368	3,403	3,135	13,010	2,876	2,957
매출원가	2,220	8,762	1,959	2,092	2,677	2,516	9,244	2,395	2,610	2,664	2,680	10,350	2,445	2,356
매출원가율	78.9%	77.5%	80.6%	78.0%	80.8%	81.0%	80.2%	77.2%	77.5%	78.3%	85.5%	79.5%	85.0%	79.7%
매출총이익	593	2,537	473	589	636	589	2,286	709	758	738	455	2,661	431	601
매출총이익률	21.1%	22.5%	19.4%	22.0%	19.2%	19.0%	19.8%	22.8%	22.5%	21.7%	14.5%	20.5%	15.0%	20.3%
판매비	454	2,041	413	452	382	444	1,690	496	525	488	520	2,029	501	553
판매비율	16.1%	18.1%	17.0%	16.8%	11.5%	14.3%	14.7%	16.0%	15.6%	14.3%	16.6%	15.6%	17.4%	18.7%
영업이익	139	495	60	137	254	146	597	213	233	250	-64	632	-70	48
영업이익률	4.9%	4.4%	2.5%	5.1%	7.7%	4.7%	5.2%	6.9%	6.9%	7.4%	-2.0%	4.9%	-2.4%	1.6%
세전이익	2	477	101	130	185	-60	357	310	213	341	-106	758	-41	132
당기순이익	15	358	61	88	146	-4	290	253	184	284	-107	615	-16	96
[재무상태표]														
자산총계	13,221	13,221	13,250	13,656	14,285	13,302	13,302	14,040	14,771	15,427	15,131	15,131	14,010	15,098
유동자산	6,191	6,191	6,101	6,532	7,192	6,482	6,482	7,034	7,339	7,597	7,297	7,297	6,074	7,005
현금 및 현금성 자산	444	444	315	116	630	348	348	351	412	439	860	860	278	495
재고자산	1,543	1,543	1,647	1,790	1,618	1,500	1,500	1,707	1,877	2,188	2,098	2,098	1,937	2,058
비유동자산	7,030	7,030	7,149	7,123	7,092	6,819	6,819	7,007	7,432	7,830	7,834	7,834	7,936	8,093
부채총계	5,764	5,764	5,618	5,854	6,163	5,394	5,394	5,888	6,498	6,745	6,610	6,610	5,754	6,647
유동부채	4,728	4,728	4,589	4,746	5,083	5,035	5,035	5,400	5,507	5,368	4,588	4,588	3,700	4,453
비유동부채	1,036	1,036	1,029	1,107	1,081	359	359	488	991	1,378	2,021	2,021	2,054	2,194
자본총계	7,457	7,457	7,632	7,802	8,121	7,908	7,908	8,152	8,273	8,682	8,521	8,521	8,256	8,451

III. Appendix _ 분익 손익 지표

매출 증가율

(억원)



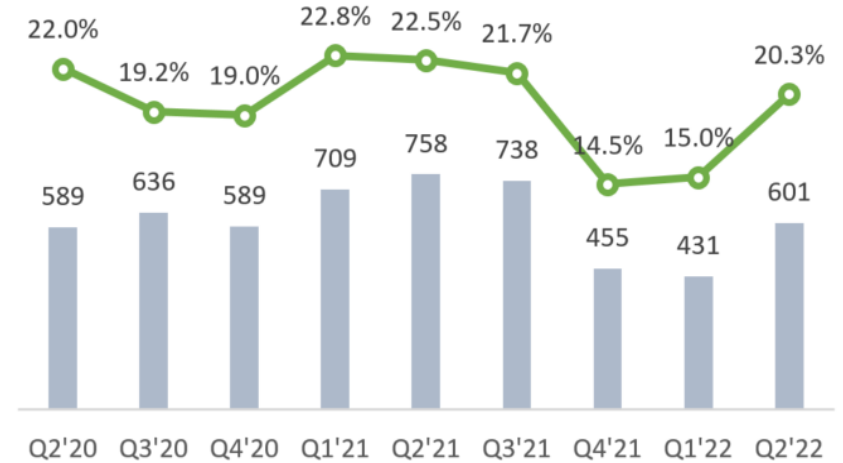
영업이익률

(억원)



매출총이익률

(억원)



당기순이익률

(억원)



**“ 수많은 시행착오 끝에
10년을 리딩 할 기술로
새로운 비상 ”**



SEOUL SEMICONDUCTOR