BenQ Materials Introduction

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Company Profile

Founded in July 1998, BenQ Materials initially focused on the research, development, and manufacturing of high-quality, high-capacity optical discs to store users' knowledge and joy. Adhering to the philosophy of "Innovation Everywhere," the company has continuously developed materials science products. With a strong foundation in materials science, BenQ Materials is committed to independent research and development, specializing in two major materials technologies: optical multilayer film design and polymer synthesis.

The company also excels in four major manufacturing technologies: roll-to-roll processing, precision engraving, precision coating, and injection molding. By leveraging core technologies in these areas, BenQ Materials has expanded into four main application categories: display materials, advanced battery materials, medical and nursing products, and waterproof breathable fabrics. This approach provides customers with high-quality and comprehensive solutions.

To learn more about the milestones of BenQ Materials, please scan the QRCODE

Company Name	Stock Code	Chairman
BenQ Materials Corporation	8215(TWSE)	Chien-Chih Chen
Date of Establishment	**TWSE Listing Date**	**Revenue Scale**
1998/07	2010/11	NTD 18.589 billion (2024)
Capital	**Number of Employees**	**Product Line**
NTD 3.207 billion (as of 12/31/2024)	3,213 employees (as of 12/31/2024)	Functional films, advanced battery materials, medical products, functional textiles
Company Headquarters	**Service Market**	
No. 29, Jianguo E. Rd., Guishan Dist., Taoyuan City	Taiwan, China, Malaysia, Singapore, U.S.A., and Japan, etc.	

Business Location

- Taoyuan Plant: No. 29, Jianguo East Road, Guishan District, Taoyuan City
- Longtan Plant: No. 288, Longyuan 1st Road, Longtan District, Taoyuan City
- Yunlin Plant: No. 29, Kezhong 7th Road, Douliu City, Yunlin County
- Suzhou Plant: No. 13, Chunhui Road, Suzhou Industrial Park, Suzhou, Jiangsu Province, China
- Wuhu Plant: No. 106, Huajin South Road, High-Tech Development Zone, Yijiang District, Wuhu City, Anhui Province, China
- GENEJET Biotech Corporation：No. 56, Lane 77, Xing'ai Road, Neihu District, Taipei City, Taiwan
- Cenefom Biomedical Co., Ltd.：No. 50-5, Kexue Road, Zhunan Township, Miaoli County, Taiwan
- Web-Pro Industries Co., Ltd. (Yongan Plant)：No. 4, Yonggong 3rd Road, Yongan District, Kaohsiung City, Taiwan
- Web-Pro Industries Co., Ltd. (Nanzi Plant)：No. 231, Chaoren Road, Nanzi District, Kaohsiung City, Taiwan
- Web-Pro Industries Co., Ltd. (Tree Valley Plant)：No. 27, Titanggong Road, Xinshi District, Tainan City, Taiwan
- Web-Pro Industries Co., Ltd. (Vietnam Plant)：Lot 8, Phase 2, Nhon Trach 3 Industrial Park, Hiep Phu Commune, Nhon Trach District, Dong Nai Province, Vietnam

Business Philosophy

Vision

BenQ Materials aims to achieve the true beauty of technological life by leveraging innovative technologies and applications to create value.

Mission

Based on the principle of integrity, BenQ Materials strives to continuously innovate and become a leader in the field of materials science.

We aspire to be the most trusted and reliable long-term partner in the value chain. We are committed to developing environmentally sustainable products and technologies. We value social impact, care for the community, and cherish Earth's resources.

Business Objectives

BenQ Materials aims for a multi-product, multi-technology, and multi-application development, striving for innovation in every aspect to deliver unique value to our customers and maximize benefits for our employees and shareholders.

Participation in External Organizations

Position of Director and Supervisor

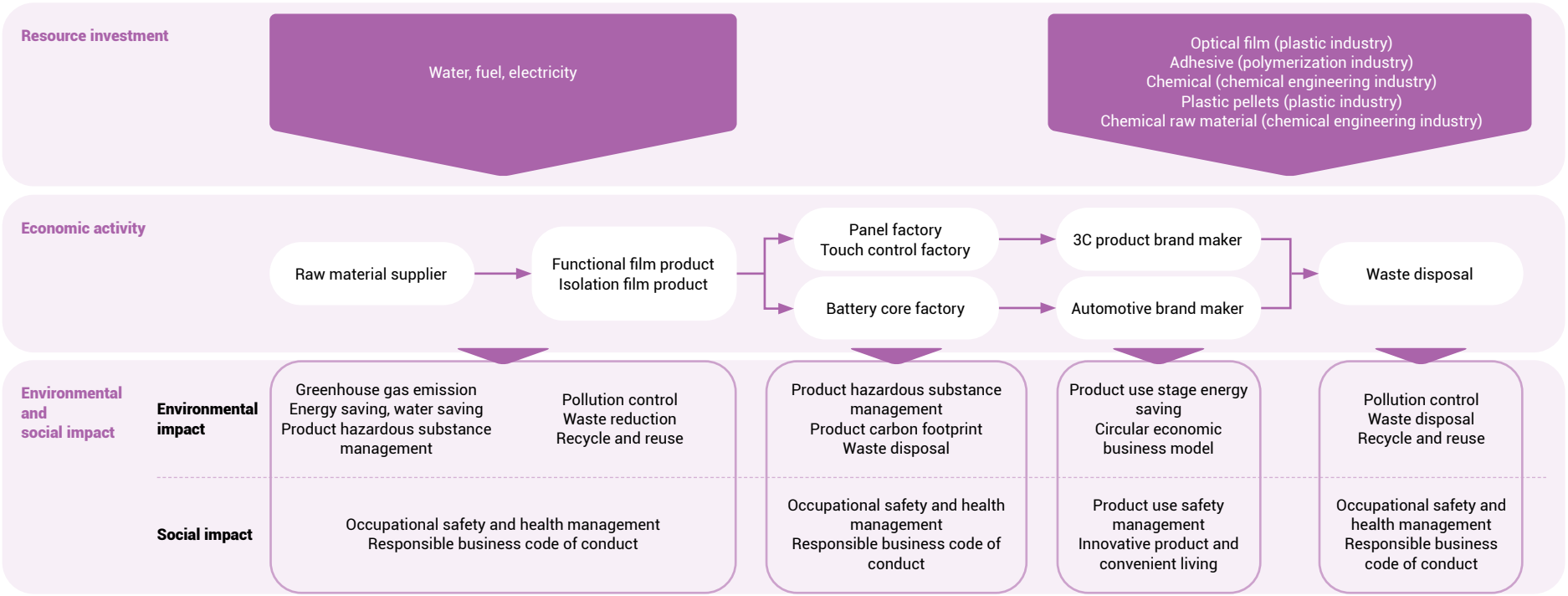
- Committee Member, Flexible Hybrid Electronics Committee, SEMI Taiwan
- Director, Society for Information Display (SID), Taiwan Chapter
- Vice Chairman / Supervisor, Taiwan Medical and Biotech Industry Association
- Director and Supervisor, Taiwan Battery Association (TBA)
- Director, Taiwan Display Material & Device Industry Association (TDMDA)
- Director, Taiwan Display Union Association (TDUA)
- Director / Advisor, Taipei Eyewear Trade Association
- Director, Tainan Optometry and Eyewear Technician Union

Member Enrollment

- Taiwan Science Park Industry Association
- Taiwan Electrical and Electronic Manufacturers' Association (TEEMA)
- Yunlin Technology Industrial Park Manufacturers' Association
- Chinese Society of Interior Design (CSID)
- Taiwan Pressure Sensitive Tape Industry Association
- Advanced Filtration Technology Academia-Industry Alliance
- Sterile Barrier Association (SBA)
- Deutsches Flachdisplay-Forum e.V. (DFF)
- Taiwan Battery Association (TBA)
- MIH Consortium for Open Electric Vehicle Development
- Lithium-ion Battery Academia-Industry Alliance
- Advanced Battery Materials Industry Alliance
- Taiwan Optometry Society
- Taipei Eyewear Trade Association
- Tainan Optometry and Eyewear Technician Union
- Taiwan Silk Dyeing & Finishing Industrial Association
- Taiwan Technical Textiles Association
- Taiwan Flexographic Printing Association (TFTA)
- Taiwan Electronic Equipment Industry Association (TEEIA)

Value Chain

Display Materials and Advanced Battery Materials Value Chain



Medical and Care Products, and Waterproof Breathable Fabrics Value Chain

Resource investment

- Water, electricity
- Adhesive (polymerization industry)
  Film (plastic industry)
  Plastic pellets (plastic industry)
  Chemical raw material (chemical engineering industry)
  Biological material (biotech industry)
- Nonwoven fabric (textile industry)
  Fabric (textile industry)
  Moisture permeable film (textile industry)
  Paper (paper industry)
  Printing ink (chemical product industry)

Economic activity

Raw material supplier → Non-functional film products → Medical hospitals and clinics, Medical device manufacturer / Channel operator, E-commerce platform / Garment manufacturer, Bedding manufacturer → Waste disposal

Environmental and social impact

	Non-functional film products	Medical hospitals and clinics, Medical device manufacturer	Channel operator, E-commerce platform / Garment manufacturer, Bedding manufacturer
Environmental impact	Energy saving and water saving Process waste reduction Packaging material reduction	Product hazardous substance management Pollution control Waste reduction	Product hazardous substance management	Pollution control Waste reduction
Social impact	Product use safety management Responsible business code of conduct	Product marketing and labeling Occupational safety and health management	Product use safety management Product marketing Consumer personal information protection	Occupational safety and health management Responsible business code of conduct

Profile of Product Sector

Display Materials

BenQ Materials' proprietary display materials are widely applied in mobile devices, as well as consumer, commercial, and in-vehicle displays. With a strong commitment to eye protection and compliance with the highest automotive safety standards, these materials are designed to effectively reduce reflections and glare caused by complex ambient lighting, thereby improving screen visibility and user focus.

Beyond visual performance, these materials also offer outstanding weather resistance and aesthetic functionality, such as the high-contrast Smoke OCA (Optically Clear Adhesive). These features support diverse display and application needs with premium quality and high-definition clarity.

To learn more about the display material products, please scan the QRCODE

Advanced Battery Material

BenQ Materials' battery separator films serve as a critical safety barrier between the anode and cathode in lithium-ion batteries, specifically designed to meet the demands of high-performance applications in electric vehicles and energy storage systems.

The proprietary Armarator™ ceramic-coated separator features an advanced structural design that delivers exceptional mechanical strength at elevated temperatures up to 250˚C. This makes it ideally suited for high-power batteries requiring stringent safety standards, such as those used in electric vertical take-off and landing aircraft (eVTOL), unmanned aerial vehicles (UAVs), and hybrid electric vehicles (HEVs).

Armarator™ is also engineered for compatibility with high-speed winding and stacking assembly processes, allowing battery manufacturers to adopt it without modifying existing production lines—delivering a cost-effective solution ready for mass production.

To learn more about the isolation film products, please scan the QRCODE

Waterproof and breathable textiles

BenQ Materials' proprietary textile brand Xpore® derives its name from "Explore" and "Nano Pores," symbolizing the brand's pioneering spirit and nanotechnology roots. After years of dedicated research, Xpore® has redefined nanoporous membrane technology, opening new frontiers for functional textiles while embodying a commitment to environmental sustainability.

At its core lies a unique ultrathin membrane that is non-toxic, solvent-free, and free of PFCs (perfluorinated compounds). Each square inch of the membrane contains 10 billion nanopores, which are 20,000 times smaller than a water droplet. This ensures outstanding waterproof and windproof protection, while allowing sweat vapor to escape, keeping users dry and comfortable during extended activity.

Xpore® reimagines textile innovation by blending sustainability, high performance, and material diversity. Inspired by nature, it represents a breakthrough in eco-conscious, high-function textile design, driving the industry forward through responsible innovation and circularity.

The Xpore® product line encompasses five core series — Ultra, LiteTech, Agile, AirTech, and DynaX — each engineered to meet specific environmental conditions and functional needs. These collections showcase high adaptability, enabling diverse and innovative applications across textile markets.

Each series delivers outstanding technical performance and is compatible with a wide range of materials, offering designers greater flexibility to create garments that combine both aesthetic appeal and functionality. This empowers brands to enhance product differentiation and build a competitive edge in the market.

Xpore® technology is suitable for various fabric types and excels in applications ranging from outdoor sportswear to urban lifestyle apparel, ensuring versatile and reliable performance in every setting.

To learn more about the Xpore® textile products, please scan the QRCODE

xpore | LinkedIn | Instagram

Healthcare Products

Setting out from our core technology in materials science, we design various healthcare products to provide consumers with new options for health and safety. Our healthcare products deliver a wide range of applications, including the silicone hydrogel contact lens for eye health protection, biotech skincare products, convenient and effective wound management products, and medical sterilization packaging for healthcare professionals, demonstrating our R&D capacity and materials science expertise in the healthcare sector.

Skincare Products

DermaAngel, our skincare product brand, aims at restoring skin affected by non-genetic physiological factors and environmental stress back to the originally angel-like healthy, balanced, and natural skin with skincare products made with professionally proven effective ingredients through safe and delicate methods based on the scientific research spirit.

To learn more about the skincare products, please scan the QRCODE

DermaAngel

Vision Care

Miacare, our contact lens brand, develops the world's first solvent-free next-generation silicone hydrogel with patented materials science technology. This material provides consumers with healthy, comfortable, eco-friendly silicone hydrogel contact lens that accentuates self-confidence and beauty.

To learn more about the vision care products, please scan the QRCODE

Miacare

GemMonster

Professional Healthcare

With innovative materials science technology, we develop medical packaging materials and wound management products that provide advanced sterilization barrier films and develop professional healthcare solutions for healthcare professionals and patients to enjoy better protection and care.

SIGMA, our healthcare product brand, primarily provides healthcare sterilization packaging products and solutions, aiming to protect patients against infection during medical treatment. Anscare focuses on providing wound management products at every stage, with product ranges covering hemostasis, wound care, negative pressure wound therapy (NPWT), and scar nursing applications, hoping to help patients resume normal life more quickly.

To learn more about the wound management products, please scan the QRCODE

Anscare

To learn more about the medical sterilization packaging products, please scan the QRCODE

SIGMA

Business Development

BenQ Materials focuses on the research and development of advanced functional optical films, with applications spanning TFT-LCD, OLED, and Micro-LED technologies. As next-generation production capacities come online and foldable devices gain traction, the average display size is increasing rapidly, driving stronger demand for high-performance functional film materials. Amid market consolidation—marked by certain players exiting and capacity investment stabilizing—the supply-demand balance in the industry is gradually recovering.

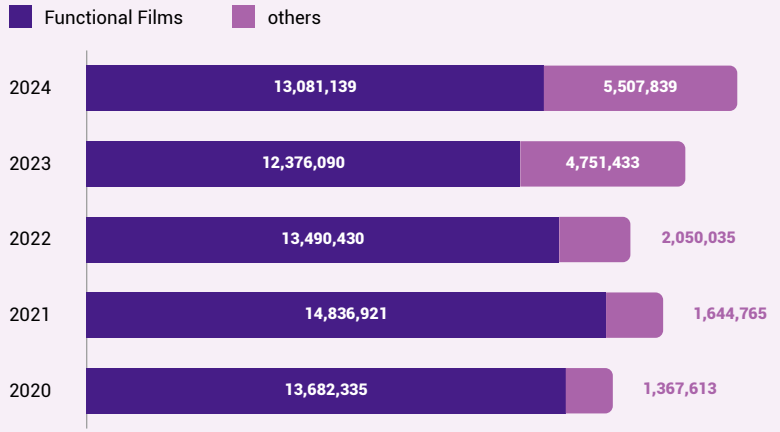
In the healthcare sector, BenQ Materials' business scope includes medical devices, eyewear, and medical-grade chemical products. Driven by an aging population, the demand for healthcare services and elderly care continues to rise, leading to expanded service offerings and diversified care systems. In recent years, cross-sector collaboration between healthcare and technology has accelerated, and the post-pandemic environment has further propelled growth in medical and health-related industries.

For a detailed overview of operations and short-, medium-, and long-term strategic plans, please refer to page 34 of the BenQ Materials 2024 Annual Report.

Revenue Overview

n recent years, BenQ Materials has begun to see tangible results from its strategic transformation efforts. Looking ahead, the company will continue to expand the revenue contribution from its medical product portfolio, aiming to mitigate the operational impact of cyclical fluctuations in the display panel market.

Revenue by Region Over the Years (in thousands of NT dollars)



The revenue figures by area category (in thousands of NT dollars)