



# Global Sources Electronics Industry Overview



# Industry Overview

The electronics industry is an extensive field, encompassing a myriad of sectors that drive technological advancement and consumer satisfaction. Key sectors include:



**Consumer Electronics:** Computers & laptops, audio equipment, gaming consoles and accessories. The consumer electronics sector constantly evolves to meet the demands of tech-savvy consumers.



**Electronic Components:** Semiconductors, PCBs, sensors, and connectors form the backbone of all electronic devices.



**Mobile Electronics:** Smartphones, tablets, wearables, and accessories continue to evolve with consumer lifestyles.



**Home Appliances:** From smart home devices to essential white goods, this sector blends utility with innovation.



**Smart Living Electronics:** IoT devices, home automation, and AI-driven gadgets are transforming living spaces into smart environments.

# Regional Strengths in the Electronics Industry

China's electronics industry is not monolithic but is characterized by distinct regional clusters that specialize in different segments of the electronics value chain. Each cluster benefits from unique regional advantages, including skilled labor pools, infrastructure, government support, and proximity to raw materials and logistics networks.

## Central and Western Regions

- **Specialization:** Upcoming Electronics Manufacturing and Assembly
- **Key Cities:** Chengdu, Chongqing, Xi'an
- **Notable for:** The presence of large-scale production facilities for laptops, tablets, and other consumer electronics is growing.
- In 2022, China's new display industry achieved a total output value exceeding RMB490 billion, accounting for 36% of the world's total and ranking as the largest in the world.

## Pearl River Delta (PRD)

- **Specialization:** Mobile Electronics, Smart Living Products, Consumer Electronics & High-end Manufacturing
- **Key Cities:** Shenzhen, Dongguan, Guangzhou
- **Notable for:** It is known for its robust supply chain and world-class manufacturing capabilities.
- The total output value of Guangdong's manufacturing industry exceeded RMB16 trillion in 2022, and the value added of the whole manufacturing industry was RMB4.4 trillion, accounting for one eighth of the country's total. The total industrial output value of the nine PRD cities was over RMB15 trillion.



## Northeast Region

- **Specialization:** Industrial Electronics and Equipment Manufacturing.
- **Key Cities:** Shenyang, Dalian, Harbin
- **Notable for:** Traditionally an industrial base, it benefits from proximity to raw materials.
- 80% of China's automobile assembly line robots originate from this region.










## Bohai Rim

- **Specialization:** Home Appliances, Consumer Electronics, and Software Development
- **Key Cities:** Beijing, Tianjin, Qingdao
- **Notable for:** This region is a significant base for China's home appliance manufacturing industry, with notable companies like Haier and Hisense. Additionally, Beijing's Zhongguancun area is often referred to as China's Silicon Valley, thanks to its thriving software and industry.

## Yangtze River Delta (YRD)

- **Specialization:** Electronic Components, Semiconductors, and IT
- **Key Cities:** Shanghai, Suzhou, Nanjing
- **Notable for:** The YRD region is a hub for China's semiconductor and electronic components manufacturing and R&D activities.
- In 2022, the YRD contributed over 60% of the country's total revenue in integrated circuit design, manufacturing, packaging, and testing, amounting to RMB723.5 billion.

# Top 10 Electronics Industry Trends for 2024

<b>AI Integration</b>	
<b>5G Expansion</b>	
<b>Advanced Materials</b>	
<b>Miniaturization &amp; Wearables</b>	
<b>Quantum Computing Development</b>	
<b>Flexible &amp; Foldable Electronics</b>	
<b>Biodegradable Electronics</b>	
<b>Smart Home Technologies</b>	
<b>Health Tech &amp; Remote Monitoring</b>	

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# 环球资源 电子行业概览

电子行业广泛涵盖推动技术进步、满足消费者需求的众多专业领域, 主要包括:



**消费电子:**计算机和笔记本电脑、音频设备、游戏机及配件等不断发展, 以满足科技爱好者的需求。



**电子元件:**半导体、印刷电路板、传感器和连接器是所有电子设备的基础部件。



**移动电子:**智能手机、平板电脑、可穿戴设备及移动配件随着消费者的生活方式变化不断更新换代。



**家用电器:**从智能家居设备到日常必须的白色家电, 这一领域将实用性与创新性融为一体。



**智能生活电子产品:**物联网设备、家庭自动化和人工智能驱动的小工具正在将生活空间转变为智能化环境。

# 行业概览

# 电子行业的区域优势

中国的电子产业并非单一地区发展，而是由不同地区的产业集群组成。它们专注于电子产品价值链的不同环节，并凭借独特的区域优势，如熟练劳动力储备、基础设施、政府支持以及靠近原材料产地及便捷的物流网络而蓬勃发展。

## 中西部地区

- **专业领域:** 新一代电子制造和组装行业
- **主要城市:** 成都、重庆、西安
- **显著特点:** 近年来，由于劳动力成本较低和政府激励政策的吸引，这些地区受到越来越多的关注和投资，大型消费电子产品生产设施也在不断增加。
- 2022年，中国新型显示设备产业总产值超过4,900亿元，占全球比重达36%，产业规模位居世界前列。

## 珠江三角洲

- **专业领域:** 移动电子、智能生活、消费电子及高端制造业
- **主要城市:** 深圳、东莞、广州
- **显著特点:** 以强大的供应链和世界级的制造能力而闻名。
- 2022年，广东制造业总产值超过16万亿元人民币，整个制造业增加值为4.4万亿元，占全国总量的八分之一。



## 东北地区

- **专业领域:** 工业电子及设备制造
- **重点城市:** 沈阳、大连、哈尔滨
- **显著特点:** 中国传统的工业基地，拥有丰富的制造业经验和原材料优势，展现出巨大的发展潜力。
- 汽车、摩托车和其他行业三分之一以上的机器人技术解决方案来源于此。中国80%的汽车装配线机器人产自该地。

## 环渤海地区

- **专业领域:** 家电、消费电子及软件开发
- **主要城市:** 北京、天津、青岛
- **显著特点:** 该地区是中国家电制造业的重要基地，拥有海尔和海信等知名企业。此外，北京的中关村地区因软件和信息技术的蓬勃发展而被誉为中国的硅谷。

## 长三角

- **专业领域:** 电子元器件、半导体及信息技术
- **主要城市:** 上海、苏州、南京
- **显著特点:** 长三角地区是中国半导体和电子元件制造业的重要基地，研发活动极其活跃。凭借港口和强大的交通网络，该区域为国内外贸易提供了极大的便利。

# 2024年电子行业十大发展趋势

人工智能整合



5G扩展



先进材料应用



微型化与可穿戴设备创新



量子计算发展



柔性性与可折叠电子产品兴起



可生物降解电子产品研发



智能家居技术普及



健康技术与远程监控融合



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