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# THE WORLDWIDE ELECTRONICS MANUFACTURING SERVICES MARKET

***2023 Edition***

**The Most Comprehensive Study Available on the  
Worldwide EMS Market**

## Report Highlights

- **Worldwide Electronics Market Analysis, 2022–2027**
  - ◆ 46 Product Segments by Region and Supplier
  - ◆ Total Assembly Value (OEM, EMS and ODM)
- **Worldwide EMS Market Analysis, 2022–2027**
  - ◆ OEM vs. Outsourced (EMS and ODM Subcontractors)
  - ◆ EMS, ODM, and OEM Production Market Share by Region, Market Segment, and Product (46 products and 1000+ manufacturing facilities): COVID-19 Impact
  - ◆ Regional Manufacturing Distribution by 57 Countries
  - ◆ Product Analysis by EMS, ODM, OEM, and Country
- **Financial Benchmarks**
  - ◆ Market Segment Metrics - Revenue/Margin/Earnings
  - ◆ Revenue per Sq. Ft./ per SMT Line/ per Employee
  - ◆ WW Labor Rates, ROA/ROE - Highest Performers
- **In-Depth Company Profiles (Best Performing EMS and ODM Companies from \$100+ Million - Total 103)**

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# The Worldwide EMS Market - 2023 Edition

## Synopsis

The worldwide electronics manufacturing services (EMS) market is a determining force in production of electronics products and now accounts for 49 percent of all assembly. Outsourcing grew exceptionally in 2021 but fell flat in 2022 due to computer and smartphone markets being saturated. The COVID-19 crisis continues to disrupt the supply chain and labor force. The EMS industry grew by 7.7 percent CAGR but only 1.7 percent in 2022—the lowest rate of the period.

**New Venture Research (NVR)** has followed this industry for over 30 years and is pleased to offer our latest update on this continually expanding market. Our report, *The Worldwide Electronics Manufacturing Services Market – 2023 Edition* is the most comprehensive market research report on the EMS industry. This analysis focuses on the leading players, growing market segments, total available market (TAM), and emerging manufacturing opportunities and technologies by numerous products and countries.

The report begins with an analysis of the worldwide electronics OEM assembly market, giving a baseline for the manufacturing value of electronics product assemblies. A forecast is checked against 46 individual product segments which make up the majority of electronics assembly (automotive, consumer, industrial, medical, aviation and aerospace and defense industries). NVR estimates that total electronics assembly value (OEM+EMS+ODM) was \$1.416 trillion in 2022 and will grow to approximately \$1.747 trillion in 2027 at a CAGR of 4.3 percent, ostensibly fueled by the demand for EMS services. The contract manufacturing industry by itself will grow from \$694 billion in 2022 to \$907 billion in 2027 at a 5.5 percent CAGR.

To support this conclusion, the report analyzes the EMS industry in a variety of ways. First, it reviews the worldwide market for EMS and OEM electronics assembly by individual product. Second, the report analyzes the EMS industry, including a breakdown of the market leaders and relative share by industry and region. Third, the market

opportunity for emerging growth is presented by product and country across 46 product segments and 1000+ manufacturing sites. No other report gives such detail by country, wage rate, and regional product assembly. The data can also be purchased as an Excel file to allow for easy analysis of the hundreds of variables collected in the report.

The report also includes an EMS financial performance analysis for the best-performing companies and examines a variety of critical financial metrics. Another chapter reviews EMS mergers and acquisitions for the past few years and the impact on the growth of the industry and its competitiveness.

The report concludes with profiles of the largest EMS and ODM firms (103 companies—86 EMS and 15 ODM) from all over the world. These reviews summarize the market focus of each company, its leading customers, and each company's financial production performance statistics. The intent of these profiles is to serve as a global directory and competitive analysis tool for industry participants.



*The Worldwide Electronics Manufacturing Services Market, 2023 Edition* is the product of hundreds of hours of research. The report sells for \$3995, with extra single-user licenses at \$500 and a corporate license at \$1500. This report is available in PDF format and is delivered by email (print copy at extra cost). An Excel spreadsheet of all data and tables may also be obtained for an additional \$1000.

## About the Author

**Randall Sherman** is the president and principal analyst of New Venture Research Corp., a technology market research and business consulting firm focused on the EMS and OEM electronics manufacturing industries. Mr. Sherman has more than 30 years' experience in technology and business research. He began his career as a telecom systems engineer and went on to hold several market research analyst and management positions with companies such as Creative Strategies, Frost and Sullivan, and BIS Strategic Decisions. He earned his undergraduate degree in Astrophysics and holds an MSEE from the University of Colorado and an MBA from the Edinburgh School of Business.

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|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 3CEMS              | Hana Micro         | Qisda              |
| Accton Technology  | HANZA              | Quanta Computer    |
| AEC                | Hi-Mix Electronics | RAFI Group         |
| ALL CIRCUITS       | IMI                | Sanmina            |
| AmTran             | Inventec           | Scanfil            |
| ATA IMS Berhad     | Jabil              | Season Group       |
| Benchmark          | Kaga Electronics   | SERCOMM            |
| Bitron             | KATEK AB           | Shenzhen Kaifa     |
| BMK                | Katolec            | Shenzhen Zowee     |
| BYD Electronics    | KeytronicEMS       | SigmaTron          |
| Celestica          | Kimball            | SIIX               |
| Cicor              | Kitron             | SKP Resources      |
| Compal Electronics | LACROIX            | SMTC               |
| Computime          | Lite-On            | Sumitronics        |
| Connect            | Luxshare           | Suzhou Etron       |
| Creation           | Mack Technologies  | SVI                |
| Cyient Ltd.        | Melecs             | Syrma SGS          |
| DBG Holdings       | Micro-Star         | TPV                |
| Delta Electronics  | MiTAC Holdings     | TQ-Systems         |
| Di-Nikko           | NEO Technology     | TT Electronics     |
| Dixon Technologies | New Kinpo Group    | UMC                |
| Ducommun           | Neways             | USI                |
| Elemaster          | Nippon Mfg.        | Valuetronics       |
| EliteGroup         | Noratron           | Variosystems       |
| eolane             | Nortech Systems    | Venture            |
| ESCATEC            | NOTE               | Vexos              |
| Etron              | Orbit One          | VIDEOTON           |
| Fabrinet           | OSE                | VIRTEX             |
| Fideltronik        | Pan-International  | V.S. Industry      |
| Flex               | PC Partner         | Vtech EMS          |
| Foxconn (Hon Hai)  | Pegatron           | Wistron            |
| Gemtek             | Plexus             | WKK Technology     |
| GigaByte           | Prodrive Tech      | Wong's Electronics |
| Global Brands Mfg  | Providence         | Zollner            |
| GPV Group          |                    |                    |

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