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The Worldwide OEM Electronics Assembly Market - 2021 Edition

A Unique Database Providing Global Electronics Assembly Data of 387 of the World's Leading OEM Outsourcing Companies

Database Highlights

- **Product Segment Analysis, 2020**
  - **Automotive**
  - **Communications**
  - **Computers/Peripherals**
  - **Consumer Electronics**
  - **Industrial**
  - **Medical**
  - **Aerospace/Military/Other Transportation**

- **Company-Level Analysis, 2020**
  - **COGS Assembly Revenue**
  - **Electronics COGS Assembly Revenue**
  - **Outsourced/In-House Assembly Revenue**
  - **Assembly Revenue by 3 Regions**
  - **Assembly Revenue by 46 Products**

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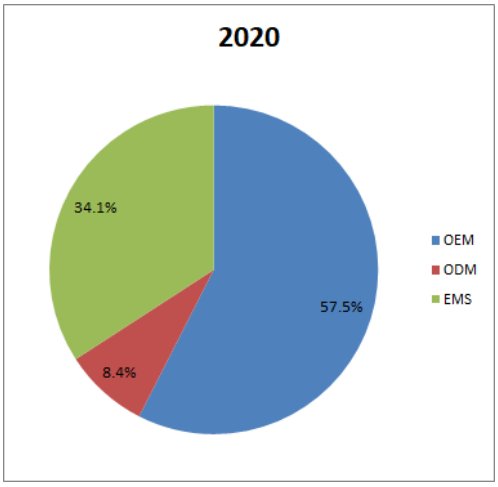
The Worldwide OEM Electronics Assembly Market - 2021 Edition

Synopsis - 68 Page PP Discussion + 64 Excel Supporting Tables

The worldwide electronics assembly market is substantial in size, approximately $1.4 trillion dollars in terms of cost of goods sold (COGS) as of 2020. The market has been expanding rapidly but changing in composition both in terms of outsourcing partnerships with in-house manufacturing. Also, moves are being made annually with regard to the manufacturing country of origin based on total cost.



New Venture Research (NVR) has followed the electronics assembly industry for over 25 years with its research reports that focus on all aspects of this industry. **The Worldwide OEM Electronics Assembly Market - 2021 Edition** is a peerless database that analyzes the 2020 electronics assembly market on a worldwide basis. It is developed by studying 387 leading OEM electronics companies in 46 different product categories and their manufacturing activities in 3 different geographic regions. Moreover, the report examines the electronics assembly market by outsourced subcontractor versus in-house assembly by the OEM company.

The report segments the worldwide electronics assembly value into seven unique markets.

- **Automotive**
- **Communications**
- **Computers/Peripherals**
- **Consumer Electronics**
- **Industrial**
- **Medical**
- **Aerospace/Military/Other Transportation**

The following production data is given for the leading OEMs within each product/market segment.

- **COGS Assembly Revenue**
- **Electronics COGS Assembly Revenue**
- **Outsourced/In-Housed Assembly Revenue**
- **Assembly Revenue by 3 Regions**
- **Assembly Revenue by 46 Products**

The leading OEMs for each segment are chosen not only for their size, but also for their leadership within their industry segment, growth potential, profitability, and inclination to outsource electronics assembly.

The Worldwide OEM Electronics Assembly Market - 2021 Edition will provide you with critical information you need on this significant market. The database/report is delivered by email as a single-user Excel file and sells for $3,995. An extra single-user license is $500 and a corporate license is $1,500.

About the Author

Randall Sherman, president of New Venture Research Corp., a California market research and business consulting firm focused on the EMS and OEM electronics manufacturing industries, serves as principal analyst for this database. Mr. Sherman has more than 25 years' experience in technology and business research. He began his career as a telecom systems engineer. He has held senior positions at various market research firms, including Creative Strategies and Frost and Sullivan. Mr. Sherman holds an MSEE from the University of Colorado and an MBA from the Edinburgh School of Business, Scotland.

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Synopsis - 70 Page PP Discussion and Excel Supporting Tables

Worksheet 1: Automotive

- Automotive Engine Controls
- Automotive Instruments
- Automotive Safety
- Automotive Entertainment
- Total Automotive
- Automotive Summary

Worksheet 2: Communications

- Mobile Phones
- Infrastructure
- Other Phones
- Enterprise LANs
- Wireless LANs
- DSL/Cable Modems
- PBX/Key Systems
- Carrier-Class
- Other Communications
- Total Communications Summary

Worksheet 3: Computer/Peripherals

- Notebooks
- Desktops
- Tablets
- Servers
- Workstations
- ESS
- Monitors
- Printers
- E-Readers
- Other Computer
- Total Computer Summary

Worksheet 4: Consumer Electronics

- Digital TV
- MP3/4
- Smart Home and AV
- Games
- Set-Top Boxes
- Digital Cameras
- DVD/DVR
- Camcorders
- Other Consumer
- Total Consumer Summary

Worksheet 5: Industrial

- Process Control
- Test & Measurement
- Other Industrial
- Clean Energy
- Total Industrial Summary

Worksheet 6: Medical

- Monitoring
- Therapeutic
- Diagnostics/Surgical
- Total Medical Summary

Worksheet 7: Aerospace/Military/Other Transportation

- In-Flight Entertainment
- Navigation Systems
- Weapons
- C3 Systems
- Other Military
- Other Aerospace/Other Transportation
- Total Aerospace/Military/Other Transportation

Worksheet 8: World Total

- Total Production Assembly Value by Region
- EMS Assembly Value by Region
- In-House Assembly Value by Region
- Total Assembly Value by Market Segment/Product

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List of Companies Profiled

Automotive

Aisin Seiki
Alps Electric
Audi AG
AutoLiv
BAIC Motor
BMW
BYD
Changan Motor
Continental
Daimler
Delphi (Borgwarner)
Denso Corporation
Dongfeng
Eaton
FAW Group
Fiat Chrysler
Geely Motor
General Motors
Guangzhou Auto
Hella
Hitachi
Honda Corporation
Hyundai Motor
Johnson Controls
JVC Kenwood
Kia Motors
Magna International
Mahindra
Maruti Suzuki
Mazda Motors
Mitsubishi Motors
Navistar
Nissan
Panasonic
Renault
Robert Bosch
SAIC Motor
Tata Motors
Tesla
Valeo
Visteon
Volkswagen AG
Volvo

Communications

Accton
ADTRAN
ADVA
Allied Telesis
Apple
Arista Networks
AsusTek
Avaya
BBK Electronics
Blackberry
CEC
China Electronics Technology
China SpaceSat
Ciena
Cisco Systems
CommScope
D-Link
Datang Telecom
Dell Technologies
Ericsson
Extreme Networks
F5 Networks
Fortinet
Fujitsu
Google
Harmonic
Harris Corp.
Hewlett Packard Ent.
Hikvision
HTC
Huawei
Infinera
Juniper Networks
Kyocera
Lenovo
LG Mobile Com
Mitel
Motorola Solutions
NEC
Netgear
Nokia Oyj
Oki Electric

Communications (continued)

Panasonic Mobile Comm
Panda Electronics
Poly
Qorvo
Quanta Computer
Ribbon Communications
Samsung Electronics
Spirent
TCL Electronics
Telent
Toshiba
Ubiquiti Networks
UTStarcom
Viavi Solutions
Vtech
Xiaomi
ZTE
Ubiquiti Networks
UTStarcom
Viavi Solutions

Computers/Peripherals

Acer
Agfa-Gevaert
Amazon
Apple, Inc.
AsusTek
Tongfang
Brother Industries
Canon
Cisco
Founder Technology
Compal Electronics
Dell Technologies
Delta Electronics
Diebold Nixdorf
EliteGroup Comp. Sys.
Epson
Founder
GigaByte
Fujitsu
Inspur
Google
Great Wall
Hitachi Vantara

Computers/Peripherals (continued)

HP, Inc.
HPE
HTC
Huawei
IBM
Intel
Inventec
Konica Minolta
Lenovo
Logitech
MicroStar
MiTac
NEC
NetApp, Inc.
Oracle
Pitney Bowes
Positivo Informatica
Qisda
Quanta Computer
Ricoh
Samsung Electronics
Sony
Teradata
Toshiba
TPV
Unisys
Western Digital
Xerox
Zebra Technologies

Consumer

Acer
Alibaba
Amazon
Amtran
Apple
Arcelik
AU Optronics
BOE Technology
Bosch Group
BOSE
Casio Computer
Changhong
Cisco Systems
Commscope

Consumer (continued)

Compal Electronics
Dolby Laboratories
EchoStar
Electrolux
Fitbit
Founder
Funai Electric
Garmin
General Electric
Google
Haier Electronics
Hisense
Hitachi
Humax
JVC Kenwood
Koninklijke Philips
Konka Group
LG Electronics
Microsoft
Midea Holding
Mitsubishi Electric
Nikon
Nintendo
Olympus
Panasonic
Qisda
Quanta Computer
Roku
Samsung
Skyworth
SmarDTV (Nagra)
Sony
Tatung
TCL Electronics
Technicolor
TomTom
Tongfang
Toshiba
TPV
Trimble Navigation
Whirlpool
Yamaha

Industrial

ABB
Advantest
Agilent
ALSTOM
Anritsu
Applied Materials
ASML
Bharat Heavy Electricals
Caterpillar
Cisco Systems
CNH Industrial
Coherent
Cree
Danaher
Deere & Co.
Diebold
Eaton
Ebara Corp.
Electrolux
Emerson
Everi Holdings
Fanuc
Federal Signal
First_Solar
Fuji Electric
Fujitsu
GE Industrial
Gemalto (Thales)
General Dynamics
Haier
Halliburton
Hanwha Q-Cells
HiSilicon (Hauwei)
Hitachi
Honeywell
Iberdrola
IGT
Illumina
Ingersoll Rand
Itron

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List of Companies Profiled

Industrial (continued)

ITT Corp.
JA Solar
JEOL
JinkoSolar
Johnson Controls
Keysight Technologies
KLA-Tencor
Komatsu
KONE Oyj
Lam Research
Lennox Intl.
LG Electronics
LONGi
Mettler Toledo
Mitsubishi Electric
MKS Instruments
MTS Systems
National Instruments
NCR
NEC
Nichia
Omron
Orsted A/S
OSRAM Licht
Panasonic Lighting
Parker-Hannifin
PerkinElmer

Industrial (continued)

Robert Bosch
Rockwell Automation
Rohde & Schwartz
Samsung
Schlumberger Omnes
Schneider Electric
Shimadzu
Siemens AG
Sinopec
SMIC
Smiths Group
SPX Corporation
Sumitomo Heavy Industries
SunPower
Teradyne, Inc.
Textron, Inc.
Thermo Fisher Scientific
ThyssenKrupp AG
Tokyo Electron
Toshiba
Trina Solar
UTC (Raytheon Technologies)
Vestas Wind
Waters Corporation
Whirlpool Corporation
Yingli Solar
Yokogawa Electric

Medical

3M Healthcare
Abbott Labs
Agilent
Amgen
AstraZeneca
B. Braun
Baxter International
Becton Dickinson
Bio-Rad
Boston Scientific
Carl Zeiss Meditec
CONMED
Danaher
DaVita Healthcare
Dentsply Sirona
Dragerwerk
Edwards Lifesciences
Fresenius
Fujitsu
GE Healthcare
Hitachi
Hologic

Medical (continued)

Johnson & Johnson
Konica Minolta
Masimo
Medtronic
Mindray Medical
Novartis
Omron
Philips Healthcare
Qiagen N.V.
ResMed
Roche
Siemens Healthcare
Smith & Nephew
Smiths Group
Stryker
Sun Pharmaceuticals
Terumo
Thermo Fisher
Toshiba
Varian Medical
Zimmer Biomet

Aerospace/Other

Airbus SE
AVIC International
BAE Systems
Boeing
Boeing Defense
Bombardier
Chemring
China Aerospace
China Electronics Corp.
Dassault Aviation
Embraer
General Dynamics
General Electric
Gogo LLC
Gulfstream Aerospace
Hindustan Aerospace
Honda Motor
Honeywell
Israel Aerospace
Kawasaki

Aerospace/Other (continued)

L3Harris
Leonardo
Lockheed Martin
Lufthansa Systems
Mitsubishi
Mitsui Engineering
Northrop Grumman
Orbital UAV
Raytheon
Saab
SAFRAN
SpaceX
Suzuki Motor
Teledyne
Textron
Thales
Yamaha

Published July 2021 - 70 Page PP Discussion and Excel Tables

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Sample of Industry Analysis, Automotive Entertainment Systems, 2020

The following tables illustrate the report side of this product of which the Excel database is the primary source. Examples of product/industry results by product category are provided along with key trend analyses by market sector by leading OEM company. In addition, a worldwide OEM industry forecast is provided by individual product category and industry sector which take into account competing products and technologies.

Company	Prod. Total	Ameri cas	EMEA	APAC	EMS Total	Ameri cas	EMEA	APAC	I-H Total	Ameri cas	EMEA	APAC
Daimler												
Volkswagen AG												
Robert Bosch												
Audi AG												
BMW												
Volvo AB												
Nissan												
Panasonic												
Kia Motors												
Renault												
Alps Electronics												
Hitachi												
Visteon												
Pioneer												
Delphi												
Hyundai Motor												
Aisin Seiki												
JVC Kenwood												
Peugeot SA												
Dongfeng												
Tata Motors												
Mazda Motors												
Chery Automobile												
Navistar												
Fiat Chrysler												
Mahindra												
Top Entertainment Total												
Others												
Percent												
Total Revenue												

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Sample of Industry Analysis, Communications Mobile Phones, 2020

Company	Prod. Cell	Ameri cas	EMEA	APAC	EMS Cell HS	Ameri cas	EMEA	APAC	I-H Cell HS	Ameri cas	EMEA	APAC
Samsung Electronics												
Apple Computer												
Xiaomi												
Huawei												
LG Mobile Com												
Lenovo												
Panda Electronics												
TCL												
Sony Mobile Communications												
Toshiba												
ZTE												
Quanta Computer												
HTC												
Sanyo Electronics												
Oppo												
Vivo												
Panasonic Mobile Comm												
NEC												
AsusTek												
Blackberry												
Fujitsu												
Kyocera												
China SpaceSat												
Top Cell Phone Total												
Others												
Total Revenue												

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Sample of Industry Analysis, Computer Servers, 2020

Company	Production	Americas	EMEA	APAC	EMS Total	Americas	EMEA	APAC	I-H Total	Americas	EMEA	APAC
HPE												
Dell Technologies												
IBM												
Cisco												
Samsung Electronics												
Intel												
Lenovo												
Quanta Computer												
Sony												
Toshiba												
Fujitsu												
Oracle												
Acer												
NEC												
Ricoh												
Unisys												
Inventec												
Positivo Informatica												
HP, Inc.												
Top Server Total												
Others												
Total Revenue												

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Sample of Industry Analysis, Consumer Digital TVs, 2020

Company	Prod. Total	Americas	EMEA	APAC	EMS Total	Ameri cas	EMEA	APAC	I-H Total	Ameri cas	EMEA	APAC
Sony												
LG Electronics												
Quanta Computer												
Foxconn												
Midea Holding												
TPV												
Panasonic												
Mitsubishi Electric												
Samsung												
TCL Corporation												
Compal Electronics												
AU Optronics												
Qisda												
Changhong												
Hitachi												
Toshiba												
Konka Group												
Tatung												
Hisense												
Acer												
Daewoo												
Funai Electric												
Amtran												
Haier Electronics												
Vestel												
Top Digital TV Total												
Others												
Total Revenue												

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Sample of Industry Analysis, Industrial Process Control, 2020

Company
Caterpillar
ABB
Deere & Co.
Siemens AG
General Dynamics
Schlumberger Omnes
Danaher
ThyssenKrupp AG
GE Industrial
Mitsubishi Electric
UTC
CNH Global
Halliburton
Komatsu
Toshiba
Robert Bosch
Fujitsu
Honeywell
Fuji Electric
Parker-Hannifin
Schneider Electric
Hitachi
Emerson
ALSTOM
Cisco Systems
Sumitomo Heavy Industries
Rockwell Automation
KONE Oyj
Eaton
Yokogawa
Itron
Johnson Controls
ITT Corp.
Bharat Heavy Electricals
Ebara Corp.
Ingersoll Rand
SPX Corporation
Abengoa
Fanuc
Omron
Exide Technologies
Gamesa
Federal Signal
Waters Corporation
Top Industrial Total
Others
Total Revenue

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Sample of Industry Analysis, Medical Diagnostic Systems, 2020

Company	Prod. Total	Ameri cas	EMEA	APAC	EMS Total	Ameri cas	EMEA	APAC	I-H Total	Ameri cas	EMEA	APAC
GE Healthcare												
Johnson & Johnson												
Roche												
Siemens Healthcare												
Philips Electronics												
Hitachi												
Toshiba												
Fresenius												
DaVita Healthcare												
Medtronic												
Becton Dickinson												
Thermo Fisher												
Baxter International												
Fujitsu												
Agilent												
Beckman Coulter												
B. Braun												
Varian Medical												
Hologic												
Bio-Rad												
Abbott Labs												
Terumo												
Dragerwerk												
Konica Minolta												
Qiagen N.V.												
Smiths Group												
Carl Zeiss Meditec												
Top Diagnostics Total												
Others												
Total Revenue												

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Sample of Industry Analysis, Aerospace Flight Navigation Systems, 2020

Company	Prod. Total	Americas	EMEA	APAC	EMS Total	Americas	EMEA	APAC	I-H Total	Americas	EMEA	APAC
Raytheon												
Airbus SE												
Boeing												
Northrop Grumman												
Lockheed Martin												
SAFRAN												
United Technologies												
Honeywell												
Dassault Aviation												
BAE Systems												
General Dynamics												
Saab												
Aptiv												
Gulfstream												
Rockwell Collins												
Esterline												
Bombardier												
Teledyne												
Thales												
Textron												
Orbital ATK												
Leonardo												
Hindustan Aerospace												
Israel Aerospace												
Embraer												

The Worldwide OEM Electronics Assembly Market - 2021 Edition

Sample of WW Industry Analysis, All Electronic Systems, 2020

	Production				EMS				In-House			
Company	**Total**	**Americas**	**EMEA**	**APAC**	**Total**	**Americas**	**EMEA**	**APAC**	**Total**	**Americas**	**EMEA**	**APAC**
Automotive												
Communications												
Computer												
Consumer												
Industrial												
Medical												
Aerospace/Other Transportation												
Total												
	100.00%											