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The Worldwide OEM Electronics Assembly Market - 2020 Edition

A Unique Database Providing Global Electronics Assembly Data of Nearly 390 of the World's Leading OEM Outsourcing Companies

Database Highlights

■ **Product Segment Analysis, 2019**

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

■ **Company-Level Analysis, 2019**

- ◆ **COGS Assembly Revenue**
- ◆ **Electronics COGS Assembly Revenue**
- ◆ **Outsourced/In-House Assembly Revenue**
- ◆ **Assembly Revenue by 3 Regions**
- ◆ **Assembly Revenue by 48 Products**

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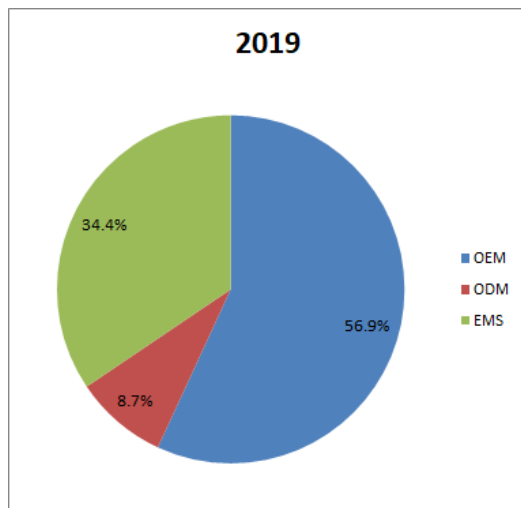
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The Worldwide OEM Electronics Assembly Market - 2020 Edition

Synopsis - 68 Page PP Discussion + 64 Excel Supporting Tables

The worldwide electronics assembly market is substantial in size, approximately \$1.3 trillion dollars in terms of cost of goods sold (COGS) as of 2019. 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 - 2020 Edition** is a peerless database that analyzes the 2019 electronics assembly market on a worldwide basis. It is developed by studying nearly 390 leading OEM electronics companies in 46 different product categories and their manufacturing activities in 3 different geographic areas. 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 - 2020 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 network design 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.

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Worksheet 1: Automotive

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

- Games
- Set-Top Boxes
- Digital Cameras
- DVD/DVR
- Camcorders
- Other Consumer
- Total Consumer 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 5: Industrial

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

Worksheet 3: Computer/Peripherals

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

Worksheet 6: Medical

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

Worksheet 4: Consumer Electronics

- Digital TV
- MP3/4
- Smart Home and Other Audio
- Games

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 Country
- 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

<u>Automotive</u>	<u>Communications</u>	<u>Communications (continued)</u>	<u>Computers/Peripherals (continued)</u>	<u>Consumer (continued)</u>	<u>Industrial</u>
Aisin Seiki	Accton		HP, Inc.	Compal Electronics	ABB
Alps Electronics	ADTRAN	Panasonic Mobile Comm	HPE	Dolby Laboratories	Advantest
Audi AG	ADVA	Panda Electronics	HTC	EchoStar	Agilent
Autoliv	Allied Telesis	Polycom (now Poly)	Huawei	Electrolux	ALSTOM
Beijing Auto	Apple	Qorvo	IBM	Fitbit	Anritsu
BMW	Arista Networks		Intel	Funai Electric	Applied Materials
Changan Motor	AsusTek	Quanta Computer	Inventec	Garmin	ASML
Continental AG	Avaya	Samsung Electronics	Konica Minolta	General Electric	Bharat Heavy Electricals
Daimler	BBK Electronics	Sanyo Electronics	Lenovo	Google	Caterpillar
Delphi	Blackberry	Spirent	Logitech	Great Wall Technology	Cisco Systems
Denso Corporation	China Putian	TCL Electronics	MicroStar	Haier Electronics	CNH Global
Dongfeng	China SpaceSat	Telent	MiTac	Hisense	Coherent
Eaton	Ciena	Tellabs	NEC	Hitachi	Cree
FAW Group	Cisco Systems	Toshiba	NetApp, Inc.	Humax	Danaher
Fiat Chrysler	CommScope	Ubiquiti Networks	Oracle	JVC Kenwood	Deere & Co.
Geely Motor	D-Link		Pitney Bowes	Koninklijke Philips	Diebold
Guangzhou Auto	Datang Telecom	<u>Computers/Peripherals</u>	Positivo Informatica	Konka Group	Eaton
Hella KG&A	Dell Technologies	Acer	Qisda	LG Electronics	Ebara Corp.
Hitachi	ECI Telecom	Agfa-Gevaert	Quanta Computer	Microsoft	Electrolux
Honda Corporation	Ericsson	Amazon	Ricoh	Midea Holding	Emerson
Hyundai Motor	Extreme Networks	Apple, Inc.	Samsung Electronics	Mitsubishi Electric	Everi Holdings
Johnson Controls	F5 Networks	AsusTek	Sony	Nikon	Fanuc
JVC Kenwood	Fortinet	Barnes & Noble	Teradata	Nintendo	Federal Signal
Kia Motors	Fujitsu	Brother Industries	Toshiba	Olympus	FirstSolar
Magna International	Google	Canon	TPV	Panasonic	Fuji Electric
Mahindra	Harmonic	Cisco	Unisys	Pioneer	Fujitsu
Maruti Suzuki	Harris Corp.	Clevo	Western Digital	Qisda	Gamesa (Siemens)
Mazda Motors	HPE	Compal Electronics	Xerox	Quanta Computer	GE Industrial
Mitsubishi Motors	HTC	Dell Technologies	<u>Consumer</u>	Roku	Gemalto (Thales)
Navistar	Huawei	Delta Electronics	Acer	Samsung	General Dynamics
Nissan	Infinera	Diebold Nixdorf	Alibaba	Skyworth	Haier
Panasonic	Juniper Networks	EliteGroup Computer Sys	Amazon	SmarDTV (Nagra)	Halliburton
Peugeot SA	Kyocera	Epson	Amtran	Sony	HiSilicon (Hauwei)
Pioneer	Lenovo	Fuji Xerox	Apple	Tatung	Hitachi
Renault	LG Mobile Com	Fujitsu	Arcelik	TCL Electronics	Honeywell
Robert Bosch	Mitel	Gemalto	AU Optronics	Technicolor	IGT
SAIC Motor	Motorola Solutions	Google	BOE Technology	TomTom	Illumina
Tata Motors	NEC	Great Wall	Bosch Group	Toshiba	Ingersoll Rand
Tesla	Netgear	Hannstar Display	BOSE	TPV	Itron
Valeo	Nokia Oyj	Hitachi Vantara	Casio Computer	Trimble Navigation	ITT Corp.
Visteon	Ok Electric		Changhong	Whirlpool	
Volkswagen AG			Cisco Systems	Yamaha	
Volvo AB			Commscope		

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List of Companies Profiled

<u>Industrial (continued)</u>	<u>Industrial (continued)</u>	<u>Medical</u>	<u>Medical (continued)</u>	<u>Aerospace/Defense</u>	<u>Aerospace/Other (continued)</u>
ITT Corp.	Rohde & Schwartz	3M Healthcare	Masimo	Airbus SE	
JA Solar	Samsung	Abbott Labs	Medtronic	AVIC International	Leonardo
JEOL	Schlumberger Omnes	Agilent	Mindray Medical	BAE Systems	Lockheed Martin
JinkoSolar	Schneider Electric	Amgen	Novartis	Boeing	Lufthansa Systems
Johnson Controls	Shimadzu	AstraZeneca	Omron	Boeing Defense	Mitsubishi
Keysight Technologies	Siemens AG	B. Braun	Philips Electronics	Bombardier	Mitsui Engineering
KLA-Tencor	Sinopec	Baxter International	Qiagen N.V.	Chemring	Northrop Grumman
Komatsu	SMIC	Becton Dickinson	ResMed	China Aerospace	Orbital UAV
KONE Oyj	Smiths Group	Bio-Rad	Roche	China Electronics Corp.	Raytheon
Lam Research	SPX Corporation	Boston Scientific	Siemens Healthcare	Dassault Aviation	SpaceX
Lennox Intl.	Sumitomo Heavy Industries	Carl Zeiss Meditec	Smith & Nephew	Embraer	Saab
LG Electronics	SunPower	CONMED	Smiths Group	General Dynamics	SAFRAN
LONGi	Teradyne, Inc.	Danaher	Stryker	General Electric	Suzuki Motor
Mettler Toledo	Texas Instruments	DaVita Healthcare	Sun Pharmaceuticals	Hindustan Aerospace	Teledyne
Mitsubishi Electric	Textron, Inc.	Dentsply Sirona	Terumo	Honda Motor	Textron
MKS Instruments	Thermo Fisher Scientific	Dragerwerk	Thermo Fisher	Honeywell	Thales
MTS Systems	ThyssenKrupp AG	Edwards Lifesciences	Toshiba	Israel Aerospace	United Technologies
National Instruments	Tokyo Electron	Fresenius	Varian Medical	Kawasaki	Yamaha Motors
NCR	Toshiba	Fujitsu	Zimmer Biomet	L3Harris	
NEC	Trina Solar	GE Healthcare	Terumo		
Nichia	UTC	Hitachi	Thermo Fisher		
Omron	Vestas Wind	Hologic	Toshiba		
OSRAM Licht	Waters Corporation	Johnson & Johnson	Varian Medical		
Panasonic Lighting	Whirlpool Corporation	Konica Minolta	Zimmer Biomet		
Parker-Hannifin	Yingli				
PerkinElmer	Yokogawa Electric				
Q-Cells (Hanwha)					

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TOTAL

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Sample of Industry Analysis, Automotive Entertainment Systems, 2019

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	Americas	EMEA	APAC	EMS Total	Americas	EMEA	APAC	L+H Total	Americas	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												

